



*Nasco*  
**FARM &  
RANCH**

**Nurture your herd, grow your legacy**

# YOUR WORK NEVER STOPS. NEITHER DO WE.

You need a supplier you can count on to be there for you through it all. Nasco Farm and Ranch is here to help at every step.

## Serving farmers and ranchers for over 80 years

Your grandparents turned to us for the same reasons you do. For almost a century, we've supported farmers and ranchers by providing the best tools of the trade.

## Supporting you with time-saving products

With your never-ending to-do list, anything that saves time or energy helps. That's why we've brought together the top supplies from the brands you trust throughout these pages and our website. Just tell us what you need and we'll deliver right to your doorstep.

## Committed to the future of agriculture

We're dedicated to promoting the future of agriculture by developing innovative farm solutions and supporting ag education for the next generation.



## DEVELOPED WITH YOU IN MIND

Look for this logo throughout the catalog to find products developed by or exclusive to Nasco Farm and Ranch.



**DIGESTION ANALYZER**, p. 166  
Promote good rumen efficiency and optimal rumen nutrient balance



**MILK SAMPLING ICE CHEST**, p. 179  
Maintain a constant temperature 3x longer than most other coolers



**VAGINA LINER**, p. 88  
Rely on an easy-to-use, high-quality AV liner trusted by major breeders

## LIVESTOCK IDENTIFICATION pp. 4-19



## SHOWING & GROOMING pp. 20-59



## SHEEP + GOAT EQUIPMENT pp. 60-69



## HOG EQUIPMENT pp. 70-75



## POULTRY EQUIPMENT pp. 76-84



## HORSE ESSENTIALS pp. 85-87



## ARTIFICIAL INSEMINATION pp. 88-102



## VETERINARY SUPPLIES pp. 103-127



## CALF CARE pp. 128-135



## LIVESTOCK SUPPLIES pp. 136-166



## DAIRY SUPPLIES pp. 167-180



## AGRICULTURE EDUCATION pp. 181-191



These products are not eligible for discount with contract pricing, sale pricing, or other promotions.

**Hazardous handling surcharge**  
Nasco strictly adheres to the U.S. Department of Transportation regulations regarding products classified as hazardous materials. In following these regulations, you may be assessed a special handling surcharge per carton for items defined within this category. For your convenience, these products are designated in the catalog by a ♦ or D.O.T. classification next to the catalog number.

## ORDERING INFORMATION

1.800.558.9595  
Monday - Friday 7 a.m. - 5 p.m. CST

NascoFarmandRanch.com

orders@nascoeducation.com

FAX 1.800.372.1236

901 Janesville Ave.  
Fort Atkinson, WI 53538

Sales tax collected in AL, CA, FL, GA, IL, IN, KS, MA, MD, MI, MN, MO, NJ, NY, OH, PA, SC, TN, TX, UT, WA, WV, and WI. For more details, including sales tax exemption information, visit nascoeducation.com/sales-tax.

## Choking hazard label information

**CHOKING HAZARD (1) WARNING: CHOKING HAZARD** - Small Parts. Not for children under 3 yrs.  
**CHOKING HAZARD (2) WARNING: CHOKING HAZARD** - Children under 8 yrs. can choke or suffocate on uninflated or broken balloons. Adult supervision required. Keep uninflated balloons from children. Discard broken balloons at once.  
**CHOKING HAZARD (3) WARNING: CHOKING HAZARD** - This toy is a small ball. Not for children under 3 yrs.

**CHOKING HAZARD (4) WARNING: CHOKING HAZARD** - Toy contains a small ball. Not for children under 3 yrs.  
**CHOKING HAZARD (5) WARNING: CHOKING HAZARD** - This toy is a marble. Not for children under 3 yrs.  
**CHOKING HAZARD (6) WARNING: CHOKING HAZARD** - Toy contains a marble. Not for children under 3 yrs.

**Nasco Farm & Ranch Price Change Policy** Due to unforeseen cost increases or operational changes, we reserve the right to change published catalog prices or our shipping policy without notice. Refer to our website for the most current pricing. Some products may be excluded from further discount. Please contact us for a quote.

This icon indicates that additional freight charges may apply. Call Customer Care for more information.

## ALLFLEX® GLOBAL TAGS



- SUPER MAXI**  
3"W X 4¾"H
- MAXI**  
3"W X 3¾"H
- LARGE**  
2¼"W X 3"H
- LARGE DOUBLE**  
2¼"W X 3"H



### ALLFLEX® GLOBAL TAGS

Made of polyurethane. Flexible for years and seasonal temperature changes. A retention collar allows for increased flexibility and motion. Laser beams etch the markings into the ear tags underneath the dark ink overlay, making the markings permanent. Self-piercing tip reduces risk of infection. Application with Allflex® Universal Total Tagger. Packaged with Global Small Male.

#### BLANK TAGS (WITH STUDS)

Color	Super Maxi	Maxi	Large	Large Double
Yellow	C23212	C23218	C23224	C23242
Orange	C23213	C23219	C23225	C23243
White	C23214	C23220	C23226	C23244
Red	C23215	C23221	C23227	C23245
Pack	\$39.99	\$37.49	\$32.99	\$39.99

#### NUMBERED TAGS (WITH STUDS)

Color	Super Maxi	Maxi	Large	Large Double
Yellow	C23254†	C23260	C23266*†	C23284*†
Orange	C23255*†	C23261	C23267*†	C23285*†
White	C23256*†	C23262	C23268*†	C23286*†
Red	C23257*†	C23263*†	C23269*†	C23287*†
Pack	\$44.99	\$42.99	\$34.99	\$48.99

**Small Male Stud Only.** 1½" dia. Pack of 25.

- C24801(B) Yellow
  - C24801(C) Orange
  - C24801(D) White
  - C24801(E) Red
- Pack — \$13.49



**Allflex® "2-In-1" Tag Marking Pen.** Includes broad and fine tips. Black. C13420 — \$7.99



### ORDERING NUMBERED TAGS

Tags numbered 1 to 200 are stocked in packages of 25.

**NOTE: Please allow extra delivery time for tags numbered over 200.**

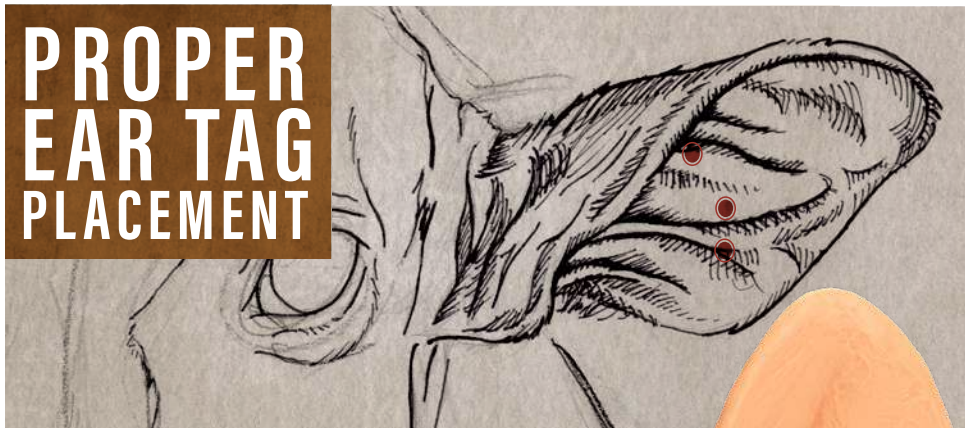
- (A) 1-25 (C) 51-75 (E) 101-125 (G) 151-175 (Z) 201-1,000
- (B) 26-50 (D) 76-100 (F) 126-150 (H) 176-200 (ZZ) Tags numbered over 1,000

Indicate number series desired by letter code(s): C23254(A-H) Super Maxi Tag, Yellow, 1-200. C23254(A) Super Maxi Tag, Yellow, 1-25. C23254(E) Super Maxi Tag, Yellow, 101-125. C23254(Z) Super Maxi Tag, Yellow, 201-225.

Specify numbers 201 and over. Must be ordered in multiples of 25. These numbered tags are packaged in 25 sequential numbers and can only be ordered as such.

\*Indicates color is not available in tags numbered 201-1,000.  
†Indicates color is not available in tags numbered over 1,000.

## PROPER EAR TAG PLACEMENT



Nasco  
FARM &  
RANCH

EXCLUDED FROM DISCOUNTS

### NASCO TAG PLACEMENT COW EAR MODEL

Learn proper placement of ear tags using this realistic model molded from an actual cow's ear. Cartilage and other anatomical landmarks are readily visible. Use permanent green marker to show proper application areas and red permanent marker to designate improper locations. You can apply actual ear tags to the ear; however, material is not self-healing. 7½" x 4¼". C26251 — \$34.19



### UNIVERSAL TOTAL TAGGER (RED)

Applies Allflex® Global, Tamper-proof and EID tags. Comes with 1 red blunt pin and 1 black insert. C12355 — \$32.99

**Replacement Pin for Universal Total Tagger Pin (Red Blunt).** Applies Allflex® Global, Tamper-proof, and EID tags. C23768 — \$4.79

## ALLFLEX® 840 HDX OFFICIAL RFID TAGS



Indicate color by letter code: Z48296(A)

### ALLFLEX® 840 HDX OFFICIAL RFID TAGS

Required for interstate transport. A premises ID is required when ordering. Ultimate in usability, security, and retention. Use in management systems where Electronic ID (EID) is required/needed. Tags are read by the Allflex® Stick Reader (Z48018, lower right) or with any ISO-compliant EID/RFID tag reader. Transponder numbers are laser marked on the edge of tag. 1¾" dia. tamper-proof hard cap of the ultra tag provides the highest degree of security available. For application, use the Universal Total Tagger (C12355, p. 4). Allow extra delivery time.

**840 HDX Official Panel and Button Tag Set.** Paired with a tamper-evident maxi panel tag. Management numbers to be printed on panel tags. Pack of 20 panel and button tag sets.

Z48296 — \$124.99

**USDA 840 HDX Official Button Tag.** Officially numbered Ultra-High Performance HDX RFID tag. Extended small males are used for placement in a deeper location in the ear. White. Pack of 20.

Z47270 — \$65.99

NEW



### ALLFLEX® UTT3S TAG APPLICATOR

Simple and safe design with an ergonomic grip that requires low force. Applies all Allflex two-piece tags, electronic tags, and monitoring tags.

NE50005 — \$64.99

**Replacement Pin Only**  
C30224 — \$4.79

## ALLFLEX® HDX HIGH PERFORMANCE EID ISO COMPLIANT 982 BUTTON TAGS



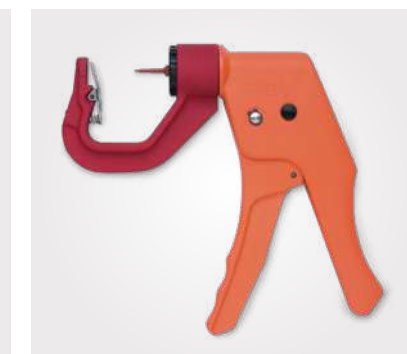
### ALLFLEX® HDX HIGH PERFORMANCE EID ISO COMPLIANT 982 BUTTON TAGS

Premises ID is not required to order tags. Legible at 12"-14" by any ISO-compliant EID/RFID reader. Single-use tag and Half Duplex Technology (HDX). Black plastic, injection-molded, tamper-proof cap. Extended small males for placement deeper in the ear. Use the Universal Total Tagger (C12355, p. 4) for application. Pack of 50 numbered white tags, 1¾" dia. Allow extra delivery time.

Z46685 — \$174.99



**Blue Safety Tag Knife.** Slips between the base of the male tag and animal's ear. Safe for the user and the animal. C28796 — \$5.34



### ALLFLEX® EID ULTRA RETRACT-O-MATIC™

Applies High Performance (HDX) and Standard Performance (FDX) EID tags. Anvil can be positioned at any angle. C34701 — \$89.99



### ALLFLEX® MODEL LPR LIVESTOCK POCKET READER

Provides RFID reader functions of the ID code contained within the passive transponder. Internal Bluetooth®. LED indicators for Bluetooth® connected, reader is reading, tag read, and battery level. Capable of reading the Allflex® HDX and FDX-B cattle ear tags at a nominal distance of 7¾" (20 cm). Shock-resistant cover and safety strap. 9¼" x 2" x 1¼".

C34891 — \$449.99



### AWR300 STICK READER

The AWR300 is the next generation EID stick reader and features an 8GB memory with a large backlit display. Robust construction boasts an ingress protection rating of IP67. Lightweight, well balanced, and comfortable in your hand. Key features include: long read range (12") for all HDX, FDX-B ear tags to ISO Standard 11784/11785; battery life up to 12 hours; 8GB memory for up to 1 million records; record tag numbers with time stamp and additional information; built-in real-time clock displays date and time; and connects to external devices using WLAN, USB, or Bluetooth® connection. Allow extra delivery time.

Z48018 — \$1,649.99

Y-TEX® FDX 949 RFID BUTTON TAGS



**Y-TEX® FDX 949 RFID BUTTON TAGS**

No battery or power source needed. Contains a transponder, activated by an RFID reader and is readable at 10"-14". When activated, the transponder's chip number is sent to the reader which sends it to software contained in a computer, electronic scale head, PDA. Encapsulated in weather-resistant polyurethane material. ISO 117845 compliant employing full-duplex and half-duplex technology. Premise ID is not required to order tags. Apply using the Y-TEX UltraTagger® Plus (below) tamper-proof applicator. Pack of 20 tags/buttons. Cannot be returned. Allow extra delivery time. 🚚  
Z46679 – \$54.99

Y-TEX® 840 HDX OFFICIAL RFID BUTTON TAGS



**Y-TEX® 840 HDX OFFICIAL RFID BUTTON TAGS**

A Premises ID is required when ordering. Use in management systems where Electronic ID (EID) is required/needed. Tags can be read by any ISO-Compliant EID/RFID reading device. Transponder is encapsulated in a weather-resistant polyurethane material. Transponder chip number is printed on the outside of the tag. Y-TEX® RFID tags provide superior read distance, retention, and durability. Pack of 20 white tags/buttons. Allow extra delivery time. 🚚  
Z47277 – \$69.99



**A Y-TEX® Ultra Tagger Plus RFID/P.T.** Use with RFID tags or pin tags. Features an open end for female.  
C34486 – \$37.99

**B Y-TEX® TAGGER**  
For use with all Y-TEX® tags below. Features a strong return spring, 2:4:1 mechanical advantage for easy application, spring clip, wide-open throat that never pinches livestock's ear, applicator pin, and straight-line application.  
C15848 – \$36.29  
**Spare Pins Only.** Pack of 2.  
C15849 – \$6.29

**C Y-TEX® TAG REMOVAL KNIFE**  
Plastic handle with stainless steel blades and blade guard.  
C29250 – \$6.69

**D Y-TEX® TAG MARKER**  
For printing on ear tags. Fine tip. Black.  
C16203 – \$10.89

**E ALL-WEATHER® PLASTIC EAR TAG MARKER**  
Valve-action pen etches marks onto plastic. Fast drying, non-smearing, weather resistant, and won't fade. Black.  
C16290 – \$8.69

Y-TEX® TAGS



Large 4-Star

Medium 3-Star

**Y-TEX® TAGS**

Flexible polyurethane. Ultraviolet light inhibitors prevent fading for longer imprint life. Long, ribbed neck prevents breakage and allows greater number visibility. Y-TEX® flexible button and patented Snap-Lok™ collar, provide resistance to snagging. Single-use button tip helps prevent infection transfer; short button shaft length promotes rapid healing.

**Replacement Male Studs.** Black with steel heads. Pack of 25.  
C16202 – \$15.99

**BLANK TAGS (WITH STUDS)**

Color	Large 4-Star, 4¾"H x 3¼"W	Medium 3-Star, 4"H x 2½"W
Yellow	C16181	C16187
Orange	C16183	C16189
White	C16182	C16188
Purple	C24414	C24416
Hot Pink	C24415	C24417
Blue	C29249	C29248
Pack	\$41.29	\$32.99

**NUMBERED TAGS (WITH STUDS)**

Color	Large 4-Star, 4¾"H x 3¼"W	Medium 3-Star, 4"H x 2½"W
Yellow	C16178	C16184
Orange	C16180	C16186*
Hot Pink	C24440	C24438
Blue	C29243	C29242*
Pack	\$47.49	\$36.49

**ORDERING NUMBERED TAGS**

Tags numbered 1-200 are stocked in packages of 25.

**NOTE:** Please allow extra delivery time for tags numbered over 200.

**Indicate number series desired by letter code(s):**

(A) 1-25 (C) 51-75 (E) 101-125 (G) 151-175 (Z) 201-1,000  
(B) 26-50 (D) 76-100 (F) 126-150 (H) 176-200 (ZZ) 1,001-10,000

**Specify numbers 201 and over. Must be ordered in multiples of 25.**

**\*Available only for letter codes A-Z**

**EXAMPLES:** C16178(A-H) Large 4-Star, Yellow, 1-200

Y-TEX® ONE-PIECE Y-TAGS™



Medium (Calf)

**Y-TEX® 1-PIECE Y-TAGS™**

Exclusive Surgi-Tip™ tag tip is a unique four-sided, super sharp tip design for a clean incision, faster healing, and improved retention. Blank tags can be marked with the Y-TEX® Tag Marker (C16203) or the ALL-WEATHER® Plastic Ear Tag Marker (C16290), see p. 8. Tags withstand extremes in heat and cold, as well as ultraviolet light, moisture, and mold. Pliable, yet durable. Packs of 25.

**BLANK TAGS**

Color	Large (Cow) 4½"H x 3¾"W	Medium (Calf) 3½"H x 2¾"W
Orange	C35321	C35326
Blue	—	C35327
Yellow	C35323	C35328
Turquoise	—	C35747
Pack	\$39.99	\$31.99

SHOP OUR FULL SELECTION AT  
[NascoFarmandRanch.com](http://NascoFarmandRanch.com)

FIND MARKING PAINT  
ON PAGE 15.



Z®-TAGS Z1 NO-SNAG-TAGS® ONE-PIECE BLANK EAR TAGS



Z1 NO-SNAG-TAGS® ONE-PIECE BLANK EAR TAGS

Self-cutting tip, makes a small, surgically precise hole. Features flexible polyurethane panels that bend without breaking. High-definition, legible, and darker than traditional laser-only techniques. Sold in packs of 25.

Color	Cow Size, 3" x 4½"	Calf Size, 2½" x 3⅝"
Yellow	C19205	C19208
Orange	C19206	C19209
White	C19207	C19210
Blue	C25637	C25638
Green	C25641	C25642
Pack	\$43.49	\$34.99



Z® TAGS NO-SNAG APPLICATOR

Designed exclusively for use with New Z Tags™ for a tagging system with proven superior retention. Features a pivoting pin that makes loading tags easier. Special pin-system applicator uses no knives or blades. Pin fits in New Z® tag's hollow stem and pushes cutting tip through the ear in one smooth motion. Pin flips up instantly for fast, easy release preventing torn ears and human injury. Weighs just 6 oz. and locks closed so it can be easily put in a pocket between applications. 10"L. Includes 1 pin. C19312 – \$36.99

Z® TAGS ONE-PIECE FEEDLOT TAGS



Z® TAGS ONE-PIECE FEEDLOT TAGS

Self-piercing tips make a clean, precise incision. Tag basks will not snag, pull out, or break off. Apply using the Z® Tags No-Snag Applicator (below). 3"W x 4½"H. Sold in packs of 50.

Yellow	C31720	Red	C33096
Green	C31721	Pink	C33766
Orange	C31722	Gray	C33768
Chartreuse	C33093	White	C33769
Purple	C33095	Blue	C33770

Pack – \$31.99

Z2 NO-TEAR-TAGGER™

Exclusively for use with Z2 No-Tear-Tags™, this applicator has a dual-action kickback jaw that automatically retracts once tag is inserted. Together with a handy, flip-out pin, the tagger virtually eliminates ripped and torn ears, even when tagging young calves. Faster healing of the insertion site means improved tag retention and less risk of infection and lost tags. 14"L. C33546 – \$62.99



Z® TAGS NO-FADE INK MARKER

Ink lasts for a minimum of 4 years. One tip. 12 ml. Black. C19311 – \$11.29

DESTRON FEARING™ Z® TAGS ONE-PIECE FEEDLOT TAGS



DESTRON FEARING™ TAGS

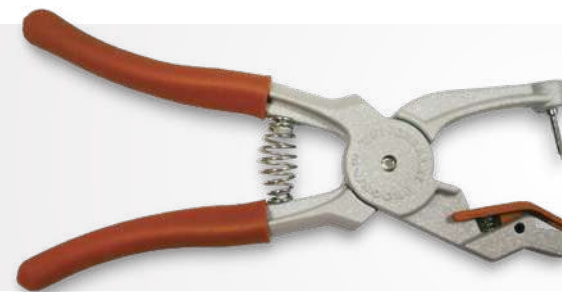
Packages of 25 and include 25 Infecta+Guard® black male studs (except the Large Double Panel). The Large Double Panel comes with a large male panel stud with the same number as the female.

BLANK TAGS (WITH STUDS)

Color	Extra Large 3" x 4⅝"
Yellow	C07997
Orange	C07996
White	C07998

Pack \$34.95

Destron Fearing™ Male Studs. Black. 1½". Pack of 25. C10778 – \$11.99



DESTRON PRO-GRII™ UNIVERSAL APPLICATOR

Includes 1 pin. Use with Destron Fearing™ EID tags. C17245 – \$31.99



RITCHEY BLANK UNIVERSAL LARGE COW TAGS

Use a Dremel tool (C35292, see p. 10) to permanently engrave numbers or letters through the top color layer, exposing the center core. Feature locking disc, long life and durability, high visibility, reinforced neck, and super flexibility. Male studs sold separately. 4¾" x 3"

Yellow Tag/Black Core	C14212
Red Tag/White Core	C14211
Black Tag/White Core	C14214
White Tag/Black Core	C35294
Pack of 25	\$39.99

SHOP OUR FULL SELECTION AT  
NascoFarmandRanch.com



**A PLASTIC AUCTION SALE TAGS**

Durable, flexible plastic sale tags for livestock. 3" x 2½" tags have a ⅝" hole for easy attachment with a (fishhook) hog ring. Can also be used as a hip label affixed with cattle back tag cement. Hole will accommodate key rings, bead chains, elastic bands, strings, etc., for non-livestock serial marking. Set of 1,000 tags. Yellow.

**Numbered 1-1,000.** 1⅜"H jet-black numbers on both sides.  
**C13632 – \$189.99**

**Blank.** Self-number with felt pens or nylon-tip markers.  
**C13633 – \$159.99**

**B "SPECIAL 59" HIP TAG**

A favorite in auction and sales barns. 1⅞"L x 1⅞"W size makes tag easy to see from a distance. Apply with Kamar adhesive (C31255, available online). Set numbered 1-500.  
**C04752 – \$31.99**

**C "BIG 81" HIP TAG SETS**

Heavyweight paper stock in 2⅞"W x 2⅞"H size. Extreme readability makes it a first-rate choice of many sale yards.

**Numbered 1-500**  
**C04754 – \$38.99**

**Blank.** Set of 100.  
**C06918 – \$7.29**



**DREMEL 120V ENGRAVER**

Engraves on Ritchey dual-colored tags. Includes ¼" high-speed cutter bit. 35,000 rpm.  
**C35292 – \$96.99**



**TEMPLE LIVESTOCK IDENTIFICATION TAGS (FOR CATTLE, SWINE, SHEEP, AND GOATS)**

Both sides of the tag may be printed at an additional cost. Room on each side for 16 letters on sheep size (1¼"L x ⅜"W, 8 letters per line), 20 letters on cattle size (1⅞"L x ⅝"W, 10 letters per line), or 3 big numbers. Have your name or initials on one side, and your town and state on the other. Or you may prefer to have your name on one side and numbers on the other. Molded from a permanently colored, weather-resistant polymer, Temple Tags won't crack, break, freeze, or fade. Easy to apply, special ear punch makes a clean hole and the tag slips in easily and permanently. Allow extra delivery time.

- |            |          |
|------------|----------|
| (A) Yellow | (D) Red  |
| (B) Orange | (E) Blue |
| (C) White  |          |

**Tags with Letters or Numbers – One Side.** You must specify numbering or lettering and color. Pack of 100.

**Z12636 Cattle Tags – \$71.99**

**Tags Lettered and/or Numbered – Two Sides.** You must specify numbering, lettering, and color. Pack of 100.

**Z12634 Cattle Tags – \$94.99**

**Z12635 Sheep/Swine/Goat Tags – \$72.99**

Indicate desired color by letter code: Z12636(A). Be sure to specify the letters and numbers to be stamped on the tags and the color of the tags required. Tags will be numbered consecutively from No. 1 unless otherwise specified.



**EAR PUNCH**

Fast, efficient, and guaranteed for 5 years. The temple punch is especially designed to punch out a clean, round hole clear through the ear.  
**C13150 – \$38.54**



**D NATIONAL BAND METAL CATTLE TAGS STYLE 49**

1⅞" x ⅜". Wide base post for greater strength for piercing tough ears.

**Take to a local engraver to add numbering or lettering.** Space for one line of not more than 8 (⅜") letters, two lines of 11 (⅝") letters, or two lines of 16 (⅞") letters.

**Z15510(B) Pack of 500 – \$114.99**

**Z15510(C) Pack of 1,000 – \$154.99**

**Tags with Lettering or Special Numbering.** Allow extra delivery time.

**Z01096(5) Pack of 500 – \$114.99**

**Z01096(10) Pack of 1,000 – \$174.99**

**E NATIONAL BAND METAL SHEEP AND HOG TAGS STYLE 505**

Positive identification. Apply in one, fast, easy operation. Patented locking device clinches securely. Smoothly finished. No protruding edges. Bright plated steel. Rust resistant. Packed 25 tags on a stick, 100 tags per package. ⅞" x ¼". Sharp, arrowhead piercing tip for clean, swift incision.

**Take to a local engraver to add numbering or lettering.** Space for one line of not more than 7 letters (⅞"), or two lines of 10 letters (⅞").

**Z15512(B) Pack of 500 – \$99.99**

**Z15512(C) Pack of 1,000 – \$159.99**

**Tags with Lettering or Special Numbering.** Allow extra delivery time.

**Z02152(5) Pack of 500 – \$99.99**

**Z02152(10) Pack of 1,000 – \$154.99**



**METAL POW-R-CEPS APPLICATOR**

Compound action, less pressure needed for maximum sealing leverage. Spring reopens applicator and releases tag after application. Steel.  
**C01046 – \$74.99**



**METAL CATTLE TAG APPLICATOR**

**C01049 – \$51.99**



**SHEEP AND HOG TAG APPLICATOR**

**C02222 – \$51.99**



**HOG FISHHOOK RINGS**

Approx. 1,000 per pack.  
**C00447 – \$37.99**



ALLFLEX® GLOBAL HOG MALE TAGS



ALLFLEX® GLOBAL HOG MALE TAGS

Large panel holds more management information. Longer male stem allows for higher tag placement in ear. Lays flat to resist snagging and chewing. Often used in combination with Global and Tamper-Proof small female tags. Packaged standard with Global small female. 2¼" x 1½".

BLANK TAGS

Color	Product No.
Yellow	C25689
Orange	C25690
Blue	C25691
White	C25692
Pack	\$25.99

NUMBERED TAGS

Color	Product No.
Yellow	C25695
Orange	C25696
Blue	C25697
White	C25698
Red	C25699
Pack	\$28.99

ORDERING NUMBERED HOG TAGS

Tags numbered 1 to 100 are stocked in packages of 25. To facilitate ordering, we have assigned letter codes for numbering sequences. Packaged in sequential numbers and can only be ordered as such.

Hog and Piglet Tags:

(A) 1-25 (B) 26-50 (C) 51-75 (D) 76-100

Indicate number series desired by letter code(s): C25695(A) Hog, Yellow, 1-25. Must be ordered in multiples of 25.

SMALL ROUND 1½" DIA.



DESTRON FEARING™ BLANK TAGS (WITH STUDS)

Color	Small Round 1½" dia.
Yellow	C08029
Orange	C08028
Pack	\$19.99

DESTRON FEARING™ LASERMARKED™ SMALL ROUND 1½" DIA.



DESTRON FEARING™ NUMBERED TAGS (WITH STUDS)

Tags are packaged in 25 sequential numbers and can only be ordered as such.

Color	Lasermarked™ Small Round 1½" dia.
Yellow	C08033
Orange	C08032
Pack	\$24.49

DESTRON FEARING™ TAGS

All Destron Fearing™ tags are coated with INFECTA+GUARD® antiseptic to fight infection. Coating is dry and releases only on application. **Packs of 25.**

ORDERING NUMBERED TAGS

Tags numbered 1-200 are stocked in packages of 25.

**NOTE:** Please allow extra delivery time for tags numbered over 200.

(A) 1-25 (C) 51-75 (E) 101-125 (G) 151-175

(B) 26-50 (D) 76-100 (F) 126-150 (H) 176-200

Indicate number series desired by letter code(s): C08033(A) Small, Yellow, 1-25.

ALLFLEX® SHEEP MINI



ALLFLEX® SHEEP MINI

Lightweight and flexible enough for the smallest goat kids and lambs. Easy to apply using Allflex® Universal Total Tagger (C12355 see p. 6). Durable laser mark guaranteed to last the life of the animal. **Packs of 20.**

ALLFLEX® NUMBERED TAGS

Color	Sheep Mini - 1½" x 1½"
Yellow	C31217
White	C31218
Pack	\$17.49

ORDERING NUMBERED TAGS

Tags numbered 1-100 are stocked in packages of 25 for hog, piglet, and sheep tags; and packages of 20 for sheep mini tags. **NOTE:** Please allow extra delivery time for tags numbered over 100.

(A) 1-20 (C) 41-60 (E) 81-100

(B) 21-40 (D) 61-80

Indicate number series desired by letter code(s): C31217(A) Small, Yellow, 1-20.

FEARING'S™ SUPER MARK EAR TAG PEN

Includes 2 broad tips and 1 fine tip. Black. Cannot be shipped by air. C07530 - \$8.69





Nasco FARM & RANCH

2 1/4" W x 3 3/8" H

**NASCO BLANK NECK TAG**

Highly durable, nonrigid plastic. Top section is 1/4" thick with reinforced collar for added strength. Bottom section is 1/8" thick for flexibility. Can be permanently marked using Fearing's™ Super Mark Ear Tag Pen (C07530, on page 15).

- C25732 White
- C25733 Yellow
- C25734 Red
- Each — \$1.99
- C25735 Orange
- C25736 Green



Nasco FARM & RANCH

**NASCO PLASTIC NECK CHAINS**

High-density polyethylene. Resistance to corrosion, agricultural chemicals, perspiration, ammonia. 40" L chain. We do not warranty the strength and do not recommend it for tying. Use Plastic Chain Connector (C16262, below) to attach chain. Links are 1 7/8" L x 1 1/16" W.

- |       |        |        |        |
|-------|--------|--------|--------|
| Black | C07109 | Red    | C07582 |
| White | C07107 | Blue   | C07584 |
| Green | C07583 | Yellow | C07108 |
- Each — \$3.99



**ALL-PURPOSE SNAPS**

Zinc-plated, normal steel snaps.  
 3/16". 2" L.  
 C14681 — \$1.09  
 1/2". 2 3/4" L.  
 C32973 — \$1.49  
 3/16". Spring link. 3" L.  
 C14682 — \$1.69



**PLASTIC CHAIN CONNECTOR**

Black. 2" L x 1 1/16" W.  
 C16262 — \$1.09



**ORANGE DETECT HER™ TAIL PAINT**

Easy to apply and will rub off with only a few mounts, making interpretation of standing heat straightforward. Reapply as often as needed. Combination of adhesive and water-based latex. Thicker than other tail paints. Bitterguard™ deters licking. Cleans up easily and will not stain hands or clothes. 12-oz. bottle.  
 C25504 — \$8.49



**ALL-WEATHER® PAINTSTIK®**

Highly visible, nontoxic paint resists weather and fading. Applies easily with slight pressure. Great for marking skin, hide, or pelt — wet or dry. Protective sleeve allows maximum use of stick. 4" x 1" dia.  
 C35854 Individual standard — \$1.89  
 C35855 Standard colors, box of 12 — \$11.99  
 C35856 Individual fluorescent — \$1.99  
 C35857 Fluorescent, box of 12 — \$12.39

**Standard**

- (A) Yellow
- (B) Red
- (C) Orange
- (D) Blue
- (E) Green

Indicate color by letter code: C35854(A)

**Fluorescent**

- (A) Pink
- (B) Green

Indicate color by letter code. Ex: C35856(A)



**MARK HER™ LIVESTOCK MARKING PAINT**

Highly visible. Nonhazardous, water-based latex. Resists fading. Fast drying. Fully weatherproof and waterproof when dry. Bitterguard™ deters licking. Makes a long-lasting mark for heat detection or for marking livestock. Fluorescent green. 12-oz. bottle.  
 C25505 — \$8.39



**ALL-WEATHER® TWIST-STIK®**

Slow-dry formula marks skins, hides, and pelts. Protective sleeve allows maximum use of stick. Fade and weather resistant. 4 1/2" x 1/4" dia. Nontoxic.  
 C35858 Individual standard — \$3.49  
 C35859 Standard colors, box of 12 — \$28.49  
 C35864 Individual fluorescent — \$3.79  
 C35865 Fluorescent, box of 12 — \$38.49

**Standard**

- (A) Yellow
- (B) Orange
- (C) Blue
- (D) Red

Indicate color by letter code: C35858(A)

**Fluorescent**

- (A) Pink
- (B) Green

Indicate color by letter code. Ex: C35864(A)



**ALL-WEATHER® QUIK SHOT® SPRAY PAINT FOR LIVESTOCK MARKING**

Water-based paint resists weather and fading. Ideal for tail painting. Powerful, extended spray reduces animal contact. 12-oz. can. Nontoxic.  
 C35870 — \$9.49

- (A) Red
  - (B) Blue
  - (C) Fl. Green
  - (D) Fl. Orange
  - (E) Fl. Pink
- Indicate color by letter code. Ex: C35870(A)



**TELL TAIL AEROSOL**

Aerosol tail paint for detection of estrus. Easy to apply. Weather resistant; non-irritant. Marks last up to 30 days. Oil-based fluorescent colors. 500 ml.  
 C35852 — \$13.29

- (A) Fl. Orange
  - (B) Fl. Blue
  - (C) Fl. Green
  - (D) Fl. Red
  - (E) Fl. Yellow
  - (F) Fl. Pink
- Indicate color by letter code: C35852(A)



**NECK STRAPS AND BUCKLES**

Strong, plastic strap with a zinc-coated steel buckle. Weather resistant, yet pliable at all temperatures. 1/4" W. Numbered straps have black numbers electro-welded on both sides. Guaranteed not to fade or lose boldness. Be sure to specify numbers desired. Allow extra delivery time.

**BLANK NECK STRAP AND BUCKLE**

Color	44"	48"
Yellow	—	Z11247
White	Z11240	Z11244
Red	—	Z11246
Blue	—	Z11245
Orange	Z46214(A)	—
Green	Z46214(B)	—
Purple	Z46214(C)	Z46215(C)
Each	\$6.29	\$6.49

**1- TO 3-DIGIT NUMBERED NECK STRAP AND BUCKLE**

Color	44"	48"	54"
Yellow	Z04433(A)	Z06081(A)	Z04434(A)
White	Z04433	Z06081	Z04434
Red	Z10764	Z10765	Z10766
Blue	Z10761	Z10762	—
Orange	Z46211(A)	Z46212(A)	—
Green	Z46211(B)	Z46212(B)	—
Purple	Z46211(C)	Z46212(C)	—
Each	\$7.49	\$8.19	\$8.99

**4- TO 5-DIGIT NUMBERED NECK STRAP AND BUCKLE**

Color	44"	48"
Yellow	Z30386	—
White	Z30699	Z30700
Red	Z30702	—
Blue	Z30705	—
Each	\$7.89	\$8.49



**LEG BANDS**

One-piece 13 1/2" x 1 1/2" EVA belting rides above the ankle. Electro-welded numbers. Black numbers, 1 through 999 appearing in 2 places on the band. Four-digit numbers can be supplied at no extra cost, but these appear only once on the band. Be sure to specify catalog item number and numbers wanted on leg band. Allow extra delivery time.

Red	Z17348
Orange	Z17351
Yellow	Z05821
Lime Green	Z17350
Sky Blue	Z17349
White	Z05822
Pink	Z19906
Purple	Z41805
Each	— \$3.49



**FLAGGER LEG BANDS**

Tough nylon with hook-and-loop closure. Cannot be numbered or written on. 12" x 1 1/2".

Red	C07914
Orange	C09998
Yellow	C09999
Blue	C10000
Green	C10001
Neon Pink	C14995
Neon Green	C14996
Neon Orange	C14997
Each	— \$1.09



**DEWLAP TAGS**

Attaches through a hole approximately 8"-10" below the jaw. Can place on a week-old calf or a grown animal. Hasp is run through the holes, tag is slipped onto the hasp, and hasp end is bent at a right angle with the tag. 1/4" thick 3"W x 2 1/2"H. 1 1/2" black numerals are electro-welded. When ordering tags, you must specify numbers/letters. Allow extra delivery time.



Color	1 Line (up to 3 numbers/letters)		2 Lines (up to 2 numbers/letters on the top line and up to 3 numbers/letters on the bottom line)	
	Yellow	Z48532(Z)	Z48532(ZZ)	Z48532(ZZ)
White	Z48533(Z)	Z48533(ZZ)	Z48533(ZZ)	Z48533(ZZ)
Red	Z48534(Z)	Z48534(ZZ)	Z48534(ZZ)	Z48534(ZZ)
Blue	Z48536(Z)	Z48536(ZZ)	Z48536(ZZ)	Z48536(ZZ)
Orange	Z48537(Z)	—	—	—
Green	Z48535(Z)	—	—	—
Each	\$3.09		\$3.79	

**IDENTIFICATION DUCT TAPE**

Identify cows with mastitis, staph infections, slow milkers, etc. 60-yd. roll.

Green	C27469	Blue	C27471
Yellow	C27470	Orange	C28050
Each	— \$16.49		



**FEARING'S™ SUPER MARK EAR TAG PEN**

New, deep-penetrating formula – perfect for marking Destron Fearing™ tags. Includes 3 tips: 2 broad, 1 fine. Will mark approximately 1,200 digits. Black. Cannot be shipped by air. C07530 – \$8.69



**BLANK LEG BANDS**

Identify groups and treatments. Mark on with All-Weather® Plastic Ear Tag Marker (C16290, p. 8). Prenumbered leg bands (above) are recommended for a longer-lasting ID. 13 1/2"L x 1 1/2"W. Made of 1 1/2" EVA.

Red	C10607
Orange	C12120
Yellow	C08077
Lime Green	C18915
Blue	C12119
White	C08078
Pink	C24470
Purple	C28398
Each	— \$2.19



SHOP OUR FULL SELECTION AT  
[NascoFarmandRanch.com](http://NascoFarmandRanch.com)



**A HEAVY-DUTY COPPER BRANDING IRONS**

Reduce blotching. 4" iron with 1/4" face tapers outward to a wider back to hold the heat. The 3" iron has a 3/8" face. Includes numbers 0-8. The 6 iron is inverted to make the 9. 32"L handle. Allow extra delivery time. 🚚

**C01352** Set of 3" numbers, 0-9 — \$249.99

**C01353** Set of 4" numbers, 0-9 — \$244.99

**B L & H STAINLESS STEEL BRANDING IRONS**

Withstands changes between the propane heater and the liquid nitrogen used in freeze branding. 3/16" material is 1"H. Includes numbers 0-8. The 6 iron is inverted to make the 9. 32"L handle.

**C23583** Set of 3" numbers, 0-9 — \$379.99

**C23584** Set of 4" numbers, 0-9 — \$399.99

**C ALUMINUM PAINT BRANDING IRONS**

For marking sale animals and paint-branding sheep. Made of aluminum castings. Lightweight. Set of 9 irons (0-8); each 1/2"D.

**C01583** 2 1/2"H x 1 1/4"W — \$84.99

**C01584** 4"H x 2"W — \$94.99

**NOTE:** Set of 0-8 does not include the number 9. The 6 iron can be inverted to make the number 9.



**15" BRANDING 5-IRON HEATER**

Heavy-gauge steel. Heats irons evenly. Removable legs, for easy transport. Attaches to standard propane tank (not included). Allow extra delivery time. 🚚

**Z15590** — \$449.99

**ISOPROPYL ALCOHOL**

99% pure isopropyl alcohol. 5-gallon can. Allow extra delivery time. 🚚

◆ **KM00803** — \$189.99

◆ **Subject to a Hazardous Material Surcharge.**



**BLACK TATTOO INK**

Used by USDA state associations and breeders. Smooth, permanent ink for tattooing cattle, sheep, and poultry. 3-oz. jar (paste). Black.

**C01357(A)** — \$7.49



**GREEN ROLL-ON TATTOO INK**

High-quality, long-lasting ink. 2-oz. roll-on bottle. For dark-colored ears.

**C28082** — \$8.79



**KETCHUM ANIMAL TATTOO INK PASTE**

Suggested for all dark-eared cattle, sheep, and hogs. Highly concentrated pigments ensure deep penetration and permanent mark. Green. Nontoxic.

**C01885** 1-oz. tube — \$10.49

**C15494** 5-oz. tube — \$17.79



**NASCO 3/8" DIGITS REVOLVING-HEAD TATTOO OUTFIT WITH EAR RELEASE**

Made of special aluminum alloy. Head holds 4 dies on each side, for a total of 8 digits. Size 3/8" revolving head tattoo outfit. Includes tongs, 3/8" numbers (0-9), and 3-oz. jar of black ink.

**C02307** — \$99.99

**NASCO 3/8" DIGITS PRO-VET-500 TATTOO OUTFIT**

Eliminates forearm fatigue. Double-action construction provides an easier pull. With one squeeze, needles penetrate deep into the ear to facilitate permanent identification. Holds 5 standard 3/8" interchangeable digits.

Cast aluminum alloy. Complete set consists of pliers, set of 3/8" digits 0-9, and a 3-oz. jar of black tattoo ink.

**C14763** — \$219.99

**Pliers 3/8" Digits Only**

**C13974** — \$164.99

**NASCO 3/8" DIGITS TATTOO OUTFIT WITH AUTOMATIC EAR RELEASE**

Ear release automatically frees ear to avoid scratches and illegible marking caused by animal jerking when the instrument is removed. Holds up to 4 digits with each digit inserted individually from the front. Designed so the digits cannot be placed upside down. Uses 3/8" digits for cattle and most other livestock. Sharp, hard steel pins 3/8"H are used in dies. Complete outfit consists of pliers, set of 3/8" digits (0-9), and 3-oz. of black tattoo ink. Aluminum alloy.

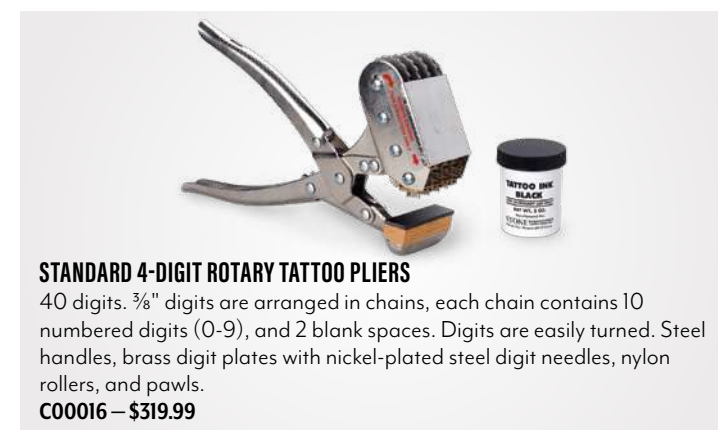
**C05680** — \$74.99

**C05681** Ear release tongs only — \$64.99

**EXTRA 3/8" NUMBERS AND LETTERS FOR NASCO TATTOO OUTFITS**

**C05676** 3/8" number set (0-9) — \$26.49

**C05678** 3/8" letter set (A-Z) — \$64.99



**STANDARD 4-DIGIT ROTARY TATTOO PLIERS**

40 digits. 3/8" digits are arranged in chains, each chain contains 10 numbered digits (0-9), and 2 blank spaces. Digits are easily turned. Steel handles, brass digit plates with nickel-plated steel digit needles, nylon rollers, and pawls.

**C00016** — \$319.99



**SMALL ANIMAL TATTOO OUTFIT FEATURING .3" DIGITS**

The only 6-digit tattoo marker available for small animals such as rabbits, hamsters, cats, and dogs. This small instrument with 5" comfortable handles holds up to 6 digits in a space of 2". Digits are 0.3" (slightly larger than 1/4"). Digits will not fit standard pliers. Complete outfit includes pliers, set of digits 0-9, and a 3-oz. jar of black ink. **NOTE:** Unit comes with one set of digits. To tattoo an 11 requires 2 sets; a 111, 3 sets; etc.

**C11418** — \$73.99

**C11419** 0-9 digits — \$26.49

**C11420** A-Z letters — \$64.99



**PRO ROTARY TATTOO OUTFIT — 4 OR 5 CHAIN**

Thousands of possible combinations. Each 3/8" digit is constructed of sturdy lightweight cast aluminum alloy. Includes pliers and 3-oz. jar of black ink. Features digits 0-9 with 2 blanks.

**C15512** 4-digit — \$359.99

**C13651** 5-digit — \$399.99



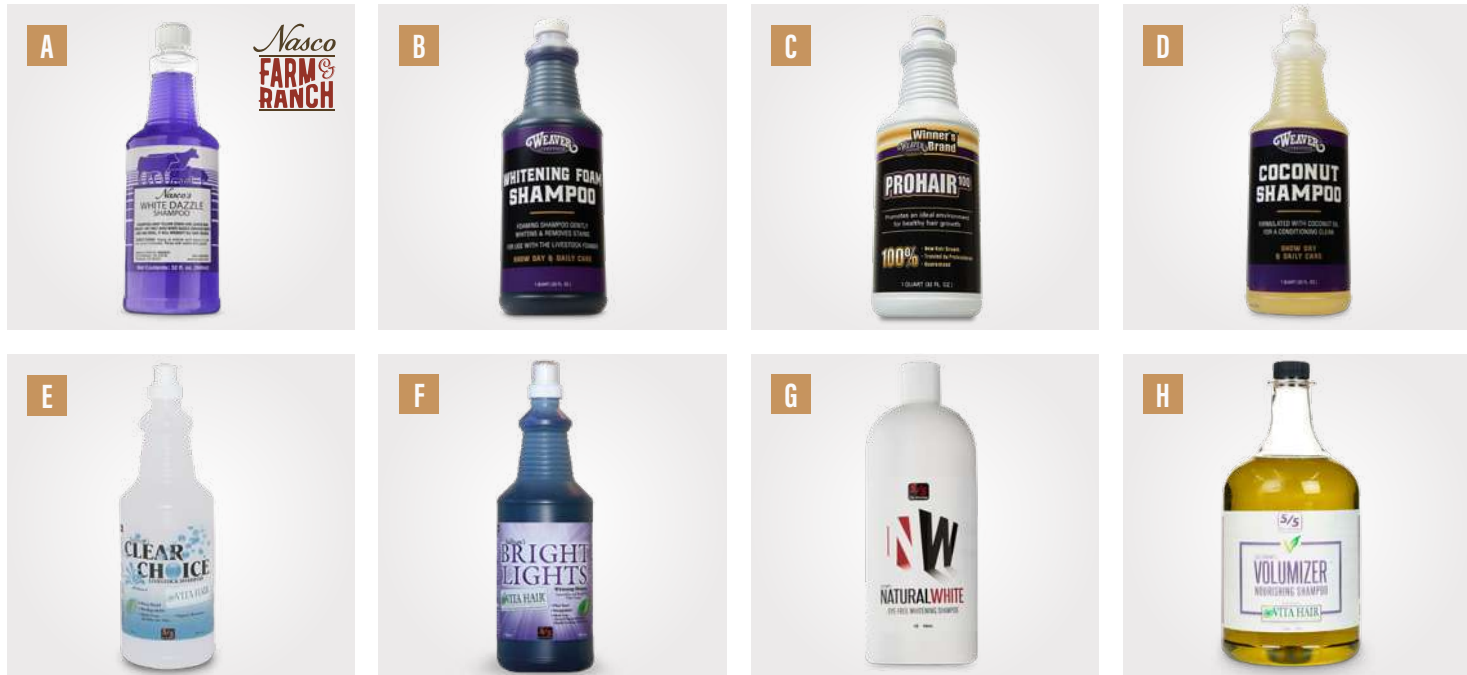
**5-DIGIT TATTOO OUTFIT WITH 5/16" DIGITS AND AUTOMATIC EAR RELEASE**

Positive ear release lifts needles and prevents scratches and blurred tattoos. Similar to regular tattoo markers, but reduced in size to make work convenient with small animals. Tongs measure 8 1/2"L and have a total capacity of 5 digits. Special 5/16" dies are used in the instrument. Includes pliers, 1 set of dies (0-9), and a 3-oz. jar of black ink.

**C02309** — \$74.99

**C02096** Set of 5/16" 0-9 digits — \$26.49

**C02097** Set of 5/16" A-Z letters — \$64.99



### A NASCO WHITE DAZZLE SHAMPOO

Shampoos away yellow stains and leaves hair bright. Not only does it enhance white hair and wool, it will intensify all hair colors.  
**C26875** Quart — \$18.09  
**C31035** Gallon — \$46.99

### B WEAVER® WHITENING FOAM SHAMPOO

Foaming lavender and chamomile with coconut oil cleans and enhances white hair. Use on cattle, sheep, swine, goats, horses, or dogs. Can use with foamer.  
**C30574** Quart — \$15.79  
**C30575** Gallon — \$42.99

### C WEAVER® PRO HAIR 100

Encourages new hair growth while revitalizing existing hair. Nourishing blend of rejuvenating argan oil rich in vitamins A and E, hair-building hydrolyzed keratin, and moisture-boosting Pro-Vitamin B5.  
**C34609** Quart — \$38.99  
**C34610** Gallon — \$64.99

### D COCONUT OIL SHAMPOO

Highly concentrated coconut oil shampoo used by leading breeders. Abundant lather in hot or cold water. Leaves hair soft with a natural gloss.  
**C01416** Quart — \$18.89  
**C01417** Gallon — \$40.99

### E SULLIVAN CLEAR CHOICE™ SHAMPOO

Doesn't strip oils from hair or destroy hair training. pH balanced for livestock skin and hair. Allows hair to separate with ease. Rinses easily. Vitamins nourish skin and hair.  
**C18996** Quart — \$19.99  
**C33281** Gallon — \$34.99

### F SULLIVAN BRIGHT LIGHTS™ WHITENING SHAMPOO

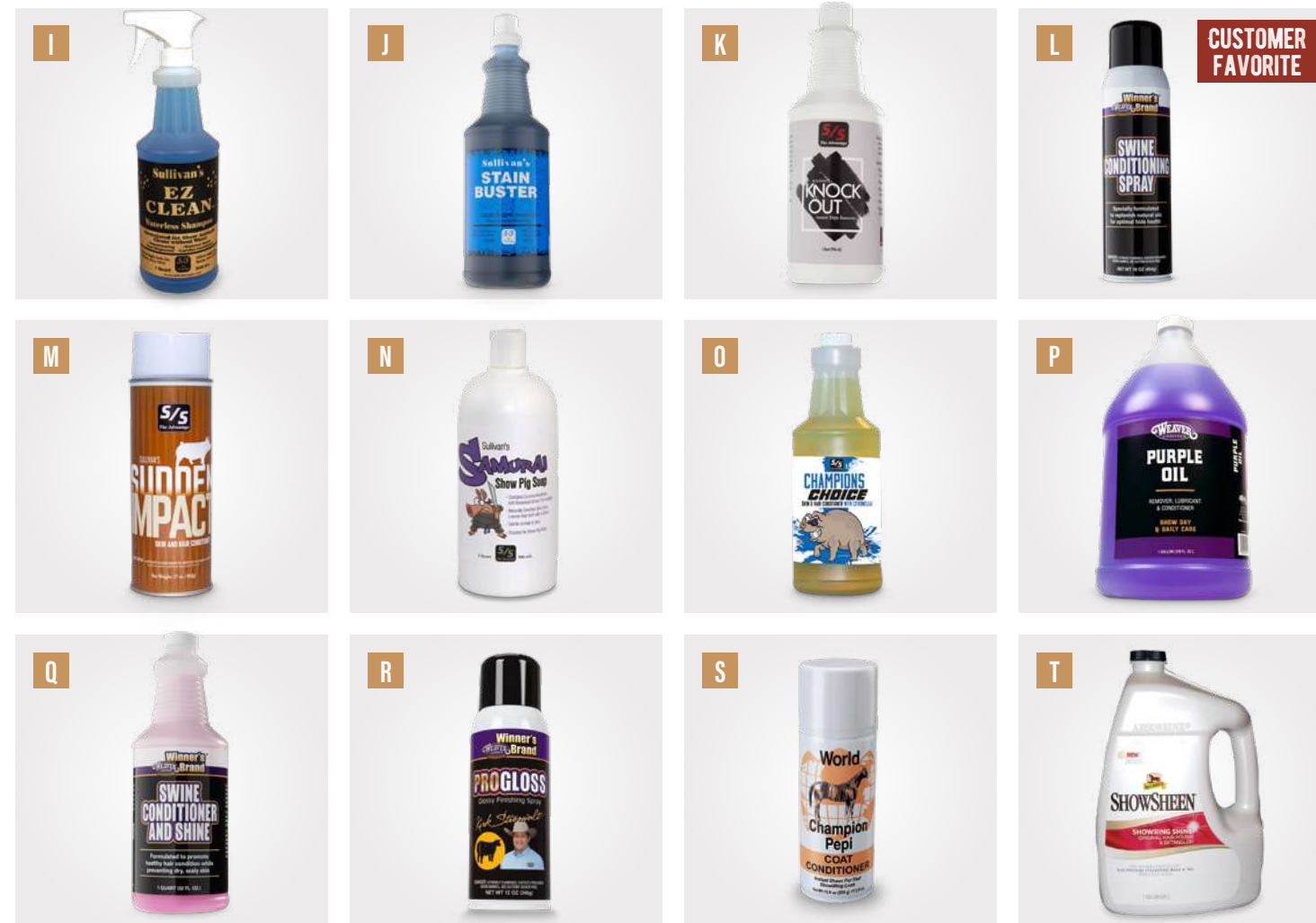
Brightens white hair, intensifies colors of all coats, and shampoos away yellow-tinted, sun-faded, and stained hair. Vitamins for added nourishment to skin and hair. Use on all animals.  
**C18992** Quart — \$24.99  
**C32497** Gallon — \$56.99

### G SULLIVAN NATURAL WHITE

Dye-free whitening shampoo enhances skin, hair, and wool for a lighter, brighter appearance. All natural with no abrasive chemicals. Cleans deep and easy to rinse. Infused with coconut oil. Can use daily without purple staining. Designed for foamer use.  
**C35562** Quart — \$27.99  
**C35561** Gallon — \$62.99

### H SULLIVAN VITA HAIR™ VOLUMIZER FOAMING SHAMPOO

Natural, plant-based proprietary surfactant technology creates an opposite-acting polar electrical charge within each hair strand to actually push every hair follicle apart. Fortified with nourishing vitamins to boost hair and skin health without added weight. Designed for foamer use. Gallon.  
**C32745** — \$49.99



### I SULLIVAN EZ CLEAN WATERLESS SHAMPOO

Ideal when weather does not permit a regular washing and does not require rinsing. For sheep, cattle, pigs, horses, goats, and other animals. Quart.  
**C31621** — \$19.99

### J SULLIVAN STAIN BUSTER™ LIQUID BLUING SHAMPOO

Cleans and whitens hair from urine or manure stains. Simply shampoo and scrub the affected area. Rinse within 3 minutes. Ready to use. Quart.  
**C23957** — \$29.99

### K SULLIVAN KNOCK OUT INSTANT STAIN REMOVER

Restores discolored spots to their natural color by breaking through the bond on dirt and grime on hair, wool, and skin of livestock. Spray onto stained area, brush it through, and blow out. No bleach, dye, or stripping agent. Safe, clean, easy to use, clear, and no purple mess. Biodegradable.  
**C35564** Quart — \$26.99  
**C35563** Gallon — \$62.99

### L WEAVER® SWINE CONDITIONING SPRAY

Replenishes the pig's natural oils and reduces dryness and irritation. Use daily. 16-oz. can.  
**C30581** — \$14.99

### M SULLIVAN SUDDEN IMPACT™ FOR SHOW PIGS

An exceptional swine grooming treatment to promote healthy skin and hair on show pigs. Restores natural oils and nutrients to animal skin. Brings life and vigor to dry, scaly skin and coarse hair. Will also help take the "red" out of dry skin. Recommended for use at home and at shows that allow oil-based products. 17 oz.  
**C18995** — \$17.99

### N SULLIVAN SAMURAI SHOW PIG SOAP

Formulated with coconut and other botanical ingredients to enrich skin color and leave hair soft with a natural shine. Quart.  
**C34581** — \$26.99

### O CHAMPIONS CHOICE SKIN AND HAIR CONDITIONER WITH CITRONELLA

Prevents dry, scaly skin and hair. Won't clog pores. Contains natural insect repellent. Darkens colored hogs and brightens white hogs. Use daily. Requires no washing out.  
**C35042** Quart — \$34.99  
**NE40024** Gallon — \$99.99

### P NASCO PURPLE SPRAY OIL

Livestock coat dressing with a lasting bloom. Must be applied with a hand sprayer or rag. Gallon.  
**C09739** — \$40.29

### Q WEAVER® SWINE CONDITIONER AND SHINE

Less oily. Formulated to protect and replenish while preventing dry, scaly skin for a smooth, healthy look. Apply daily to promote healthy hair and skin condition and prevent flaking.  
**C30600** Quart — \$27.99  
**C30599** Gallon — \$50.49

### R WEAVER® PROGLOSS FINISHING SPRAY

Lightweight replenishing oils give hair shine and luster. Gives a glossy finish. Replenishing and protective. For show cattle, and all livestock. 12-oz. can.  
**C30613** — \$11.99

### S WORLD CHAMPION PEPI COAT CONDITIONER

Instant sheen for that show ring look. This easy-to-use coat conditioner and gloss is extra gentle and will not irritate animal's skin. 11.6 oz.  
**C33475** — \$12.09

### T SHOWSHEEN® HAIR POLISH

Detangler dries to a bright, natural sheen. Enriched with pro-vitamins. Silk proteins strengthen mane and tail. Repels dust and dirt. Jasmine and sandalwood scent.  
**C12912** Gallon — \$59.99

SHOP OUR FULL SELECTION AT [NascoFarmandRanch.com](http://NascoFarmandRanch.com)



**A FOCUS ORAL CALMING LIQUID**

Keeps animals calm and focused without becoming groggy. Natural ingredients. Administer into mouth or into a minimal amount of feed 1-2 hours before time of activity. Lasts approximately 12 hours. **Dosage and administration:** Administer 15-30 ml to cattle, 10-15 ml to swine, and 5-10 ml for sheep and goats per application; re-administer as needed.

C34670 8 oz. — \$64.99  
C34671 16 oz. — \$114.99  
C34672 32 oz. — \$199.99

**B ESSENTIAL KEEP'N ON SHOW ENHANCING SUPPLEMENT**

Provides muscle pop, energy for the arena, fill without weight, 12 vitamins, and 9 minerals to help stamina and recovery. 8-oz. bottle.

C34649 — \$6.99

**C STIERWALT SUPERFLEX JOINT SUPPLEMENT**

Veterinary-approved. Supports normal joint function and flexibility. Contains hyaluronic acid, turmeric, glucosamine, chondroitin, MSM, yucca root powder, ascorbic acid, and vitamin K. **Dosage and administration:** Add 1-2 scoops daily depending on severity of joint function and flexibility. 6-lb. bag with scoop included (3-month supply).

C34768 — \$144.99

**D SULLIVAN FRESH & FEMININE**

Features strategic vitamins, minerals, amino acids, antioxidants, and by-pass protein sources. Boosts metabolic fat burning that targets specific areas of the body to reduce fat content, most notably in the neck and brisket area. All natural and fertility safe for open and bred heifers, steers, or bulls. **Dosage and administration:** Top dress 6 oz. per head per day to cattle of this pelleted supplement until desired freshness is achieved. 40-lb. tub contains 106-day supply. Allow extra delivery time.

C33350 — \$239.99

**E SULLIVAN APPETITE EXPRESS PROBIOTIC GRANULES**

Helps maintain a healthy state in animal's digestive tract. Encourages appetite, even during severe stress periods.

**Dosage and administration:** Top dress or mix into existing feed. Feed ½ oz. per head per day. Use on show animals or general livestock. For beef and dairy cattle, swine, sheep, goats, and horses. 5-lb. bag.

C33842 — \$39.99

**F "DOC" BRANNEN'S LIVESTOCK SHAMPOO**

Biodegradable product rinses out easily. Does not cause skin irritation or leave a residue. Mild apple fragrance.

Half gallon.  
C11716 — \$30.99

**G EZALL® TOTAL BODY WASH GREEN**

Perfect for livestock like cattle, sheep, pigs, and goats, this plant-based body wash effectively loosens dirt and grime so it can easily be rinsed away without the hassle of scrubbing. Effective, gentle formula results in smooth, flake-free skin. Won't attract mites or fungus. Gallon.

C31315 — \$39.99

**H GOLDEN FLO®**

Improve hair coat and skin, add energy to rations, enhance weight gain and maintenance, control dust, and improve feed consumption. Enhances feed with a fruity flavor. Less separation, clumping, clogging in grinder or mixer. Contains preservatives to keep fresh longer. Gallon.

C20078 — \$32.99

**I SULLIVAN DOUBLE DIP CONDITIONER**

Nourishing vitamins condition and stimulate skin and strengthen the hair shaft. Spray once daily after washing or rinsing to neutralize any soap left in the hair, eliminating dandruff. Detangles and separates hair, allowing easy combing. Adds a light shine, helps repair split ends, and will not weigh hair down. No washing out. Gallon.

C34579 — \$49.99

**J GLU-COAT FOR CATTLE**

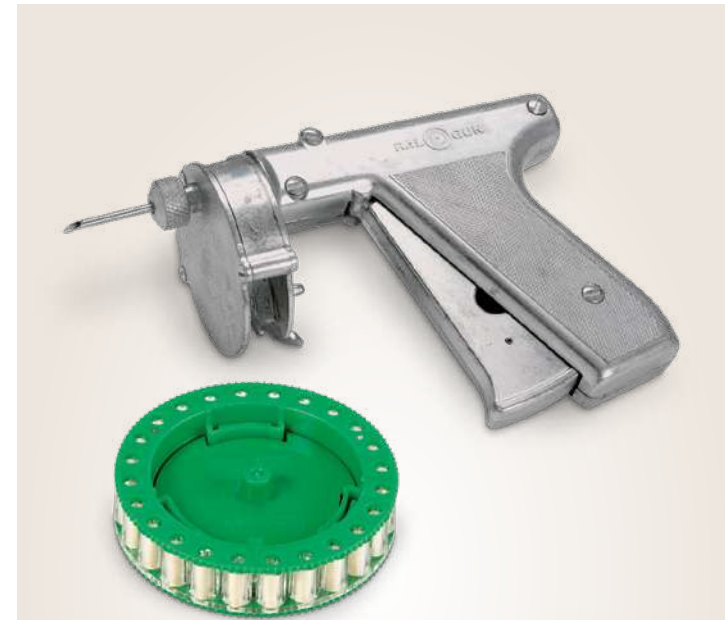
A sugar product formulated with a blend of sugars that increases appetite and palatability. Keeps the rumen working longer and faster. Also aids in the process of cellular replication, supports the immune system, helps during stressful periods, and with muscle and fat development. A refined fish oil maintains a bright, shiny hair coat. **Dosage and administration:** Top dress feed with 6-8 oz. per head, per day. 50-lb. jug provides approximately 100 to 150-day supply per calf. Allow extra delivery time.

C34577 — \$99.99



**ORVUS® PASTE SOAP**

A neutral, synthetic detergent with outstanding wetting, penetrating, sudsing, and emulsifying properties. Readily soluble in hot or cold water. Rinses away freely. 7½-lb. jar.  
C01036 — \$33.99



**RALGRO ANABOLIC AGENT**

Implant RALGRO any time you handle your beef cattle, and you'll see a weight gain. RALGRO is not a hormone, but is the only growth-promoting implant you can use in cattle. Implant subcutaneously on the back side of the ear, 1" from the head. Animals gain faster and convert feed more efficiently when they receive life cycle implanting. Cleared by the FDA for use in feedlot steers and yearlings, and growing beef cattle, steer, and yearling calves. Approved for use in replacement yearlings. There are no withdrawal days using RALGRO. Reimplant every 100 days for additional gains. Approved dosage for beef cattle is 3 pellets of 12 mg each, a total of 36 mg of zeranol (the generic name of the active ingredient) per animal. One cartridge with 24 doses. Not for sale in California.  
C08263 — \$62.99

**RALGRO Gun.** Find the proper implanting site, insert the needle, and pull the trigger. Six needles included.  
C08264 — \$58.99



**SULLIVAN SHOW ROAD APPETITE EXPRESS+**

Prebiotics, probiotics, and B<sub>12</sub>. Brings an appetite and energy boost to beef and dairy cattle, sheep, goats, and horses. **Dosage and administration:** 10-15 cc/day orally several days prior to travel; continue to administer orally at show to maintain good gut health.

C33933 60-cc tube — \$25.99  
C33932 300-cc tube — \$37.99



**ENCORE® & COMPUDOSE® CONTROLLED-RELEASE IMPLANT PACKAGES**

Provide a daily dose of Estradiol for increased rate of weight gain in suckling and pastured growing steers, and for improved feed efficiency and increased rate of weight gain in confined steers and heifers. Provides an effective daily dose of 43.9 mg Estradiol for 400 days; each COMPUDOSE® implant provides an effective daily dose of 25.7 mg Estradiol for 168 days. Each package comes with controlled-release implants, implant gun, and 3 needles. **Dosage and administration:** Insert 1 implant under the skin of the ear for suckling steers at castration or later, pastured growing steers at weaning or later, and finishing steers and heifers at arrival in feedlot. For subcutaneous ear implantation in steers and heifers only; not for use in veal calves.

**100-Dose ENCORE® Implant Package**  
C33228 — \$429.99

**20-Dose COMPUDOSE® Implant Package**  
C33229 — \$87.99

**Encore® Implants Only.**  
Box of 100.  
C33230 — \$449.99

**COMPUDOSE® Implants Only.** Reel of 20.  
C33231 — \$84.99



**SULLIVAN SHOW PASTE™**

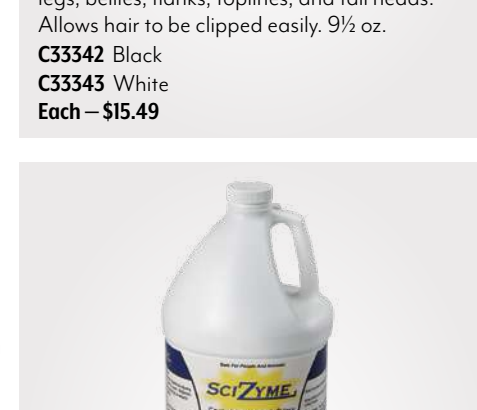
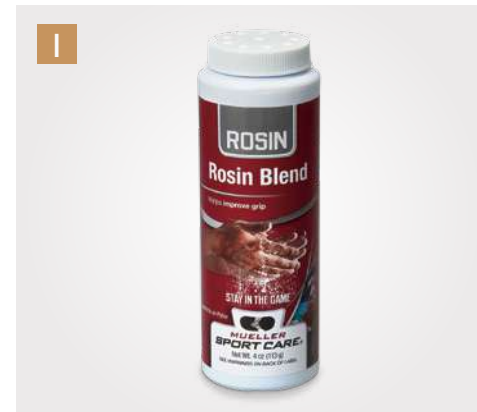
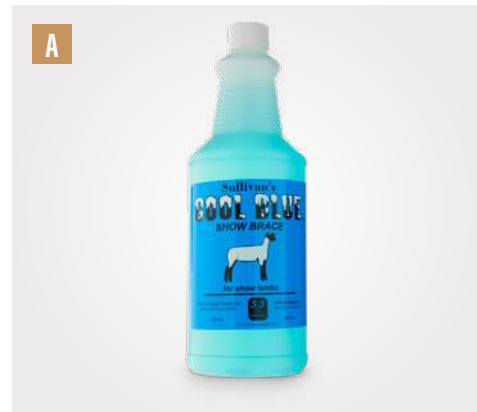
Provides a natural calming effect that lasts for hours with no withdrawal period. **Dosage and administration:** Give 1 dose to animal 2-3 hours before show time. 32 ml tube.

**Pig.** 3 doses per tube.  
C29777 — \$29.99

**Sheep.** Tube contains 5-8 doses, depending on size of sheep.  
C29778 — \$26.99

**Cattle.** One tube works for an animal up to 1,000 lbs.  
C16615 — \$25.49

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[NascoFarmandRanch.com](http://NascoFarmandRanch.com)



**A SULLIVAN COOL BLUE SHOW BRACE™**  
Spray evenly over the entire lamb's body for a great shine and a fresh, firm feel to the hide. Braces the body to make the lamb feel more firm to the judge's touch. Quart.  
C24109 – \$36.99

**B WEAVER® CHILL**  
The cooling sensation promotes a solid brace to the hides of sheep and goats, provides ideal firmness. Tightens and firms, while adding shine before entering the ring. Quart.  
C30608 – \$28.99

**C SULLIVAN FLARE SHOW RING SHEEN**  
Amplifies hair dimension and shine without weighing hair down. Works on all hair types in all temperatures. 5.7-oz. can.  
C35033 – \$10.99

**D SULLIVAN KLEEN SHEEN™**  
Daily formula with ultra shine. Builds hair strength and helps train hair. Vitamin enriched for added nourishment to skin and hair. Animals stay cleaner and dust free. Requires no washing out.  
C19004 Quart – \$22.99  
C25788 Gallon – \$46.99

**E SULLIVAN FINAL BLOOM™**  
A "light oil" with a pleasant scent. Freshens up hair. Less greasy with all the shine. Spray on before entering the ring for that final touch. No wash out. 11-oz. can.  
C19003 – \$13.99

**F "DOC" BRANNEN'S FINAL MIST**  
Coat dressing for a lasting bloom and fine coat appearance. Won't discolor white hair. 11-oz. can.  
C06849 – \$11.49

**G SULLIVAN REVIVE™ SKIN & HAIR CONDITIONER**  
Restores natural oil and nutrients to skin and hair and brings life and vigor to dull, dry hair. Vitamin enriched. Wash out to prevent flaking. 17-oz. can.  
C19005 – \$17.99  
**Sullivan Revive LITE™ Skin & Hair Conditioner.**  
Doesn't weigh hair down; extra-light cosmetic-grade oils do not glob or allow hair to stick together. Adds lift to hair with more separation. Lightly coats and easily penetrates the hair and absorbs into the skin without clogging pores. 17-oz. can.  
C33280 – \$19.99

**H SULLIVAN FUNGALL RINGWORM PASTE**  
Quickly kills ringworm fungus, repairs skin, and regenerates hair growth. Apply topically to kill ringworm. 9-oz. tube.  
C29781 – \$59.99

**I ROSIN TOPLINE POWDER**  
Shake on the topline of your dairy animal before applying adhesives. Works well on milk cows with scarce topline hair. 4 oz.  
C34382 – \$9.99

**J ABSORBINE® SUPERSHINE®**  
High-luster hoof polish dries in less than a minute. 8-oz. jar with handy dauber.  
C10898 Clear      C10897 Black  
Each – \$20.49

**K WEAVER® PRODYE LIVESTOCK HAIR DYE**  
Get a deeper black appearance and uniform color. Five bottles each of black dye and activator; one box has enough dye for one 1,000-lb. animal. Each bottle contains 3.38 oz.  
C33365 – \$39.99

**SCIZYME CONCENTRATE**  
Safe and highly effective enzyme capable of reducing ammonia and organic odors associated with animal waste. Reduces respiratory issues in livestock that are caused by ammonia vapors. For cool rooms, trailers, stalls, barns, and other confined spaces that hold cattle, pigs, sheep, horses, and other livestock. Makes 10 gallons of spray.  
C32837 – \$84.99



**RING OUT CONCENTRATE KIT**  
All-natural ringworm and fungus control. Great for all livestock. Also kills bacteria, spores, and viruses. Reduces scarring and hair loss. Includes 4-oz. spray concentrate (C32839) and 32-oz. spray bottle.  
C33465 – \$17.44  
**4-oz. Spray Concentrate.** Mix 4 oz. of concentrate with water for a 32-oz. spray.  
C32839 – \$23.24  
**32-oz. Shampoo.** Kill contagious pathogens as you wash them off. Leaves hair soft and nice smelling. After rinsing, treat animals with Ring Out Concentrate Spray (C32839). Safe and nontoxic.  
C32838 – \$25.99



Nasco  
FARM &  
RANCH

**NASCO MIGHTY MAC COVER SPRAY**  
Natural, ideal look for topline hair and other parts on red- and brown-haired livestock. Spray just before entering ring. Remove with shampoo and adhesive remover. 10-oz. can. **C32030 — \$15.99**



CUSTOMER  
FAVORITE

**\*SULLIVAN BLACK FINISHER™**  
Deep, natural-looking black coverage without leg-adhesive breakdown. True black. Natural shine. 14-oz. can. **C19813 — \$12.99**

**SULLIVAN RUSS'S RAG OIL**  
Promotes beautiful hair. Use as a skin and hair conditioner to restore natural oils, bring life to dull hair, and control flaking skin. Also used for show day. Quart. **C31626 — \$49.99**



**SULLIVAN ULTRA WHITE™ TOUCH-UP**

Covers stained or faded hair with a smooth, natural, powder-white color. Gives hair a thick, full appearance. Does not break down adhesives. 11-oz. can. **C20096 — \$12.99**



**\*SULLIVAN JET BLACK™ TOUCH-UP**  
The blackest. Covers completely so hair appears thicker, fuller, and a deeper black. Works well on dull hair and won't break down adhesives. 14-oz. can. **C19001 — \$12.99**



**"DOC" BRANNEN'S GROOMING ADHESIVE**

Tame hard-to-hold hair with quick-drying adhesive. Firm hold goes on in a smooth, even spray. Use on tail head feathers, poll topknots, tail bush, and boning up legs. 14½-oz. can. **C11385 Clear — \$14.99**  
**C11386 Black — \$12.69**



**"DOC" BRANNEN'S VANISH ADHESIVE REMOVER**

Gentle. Quickly and safely removes adhesive, lacquer, paint, and wax. Use before shampooing and after showing. You can re-groom immediately after use. 11-oz. can. **C28767 — \$8.49**



**"DOC" BRANNEN'S CLEAR AND BLACK MAGIC**

Not a paint or lacquer. Great for tails, hooves, legs, and white spots; preparing top lines. Just spray on, then comb in for about 3–4 minutes. Won't rub off; leaves hair soft and pliable. 10-oz. can. **C12244 Clear — \$14.99**  
**C09918 Black — \$13.49**



CUSTOMER  
FAVORITE



- Fawn
- Copper
- Brick
- Red Velvet
- Dark Crimson
- Silver Fox
- Blondie

**SULLIVAN TOUCH-UP PAINT**

Have the right shade within reach. Enhanced hair-like coverage is quick drying and natural looking. Provides the final touch-up for covering adhesives and leg builders. Excellent coverage, texture, and color dimension to enhance natural hair color. 10½-oz. can.

**Fawn™.** For light red hair with an orange tint; lighter colored Hereford, Gelbvieh, Limousin, and Red Angus. **C34931 — \$13.49**

**Copper™.** For medium red hair with a faint brown tint; Hereford, Red Angus, and Light Shorthorn colored. **C34932 — \$13.49**

**Brick™.** For medium red hair with a brown tint; dark Hereford, medium Shorthorn, and Red Angus. **C34933 — \$13.49**

**Red Velvet™.** For medium-dark red colored hair; dark red Shorthorn and Red Angus. **C34934 — \$13.49**

**Dark Crimson™.** For the darkest red colored hair; Shorthorn. **C34935 — \$13.49**

**Silver Fox™.** For gray and silver hair; Charolais influenced cattle. **C34929 — \$13.49**

**Blondie™.** For light yellow, cream, and butterscotch colored hair; Composite Charolais. **C34930 — \$13.49**



- Cream
- Fawn
- Cinnamon
- Dark Cherry
- Rust
- Smoke
- White
- Black/ MAXX Black

**WEAVER® PROTOUCH TOUCH UP PAINTS**

Colors will darken with additional coats and drying time will vary. These paints do not weaken adhesives and are perfect for matching, blending, or enhancing the hair coat. Free of methylene chloride, making them safer for users, animals, and the environment. 10-oz. can.

**Cream.** For yellow to golden color shades (cream or blond cattle); Charolais crosses. **C33367 — \$12.99**

**Fawn.** For light red cattle; Herefords, Red Angus, Gelbvieh, Charolais, Limousin, and more. **C30615 — \$12.99**

**Cinnamon.** For red-colored cattle; darker Herefords, Red Angus, Gelbvieh, and others. **C30616 — \$12.99**

**Dark Cherry.** Dark to medium maroon-colored; Shorthorns, Maine-Anjou, Simmental, and others. **C30618 — \$12.99**

**Rust.** For lighter maroon-colored cattle; Shorthorns, Maine-Anjou, Simmental, and others. **C30617 — \$12.99**

**Smoke.** Gray-colored cattle; like Charolais crosses. **C33368 — \$12.99**

**White.** Adds fullness and dimension. Also works in low-lighting situations to help see areas that need additional fitting or clipping. **C30614 — \$12.99**

**Base Black.** This is the first of two steps for providing a natural, balanced black hair look on show day. Follow with ProTouch Maxx Black to complete the process for a blending transition from the body to the legs. **C31347 — \$12.99**

**MAXX Black.** For use after ProTouch Base Black. Enhances the depth and dimension achieved by ProTouch Base Black while providing a blending transition from the body to the legs for the desired show ring look. **C30619 — \$12.99**

**EZALL® IT'S GONE® ADHESIVE REMOVER**

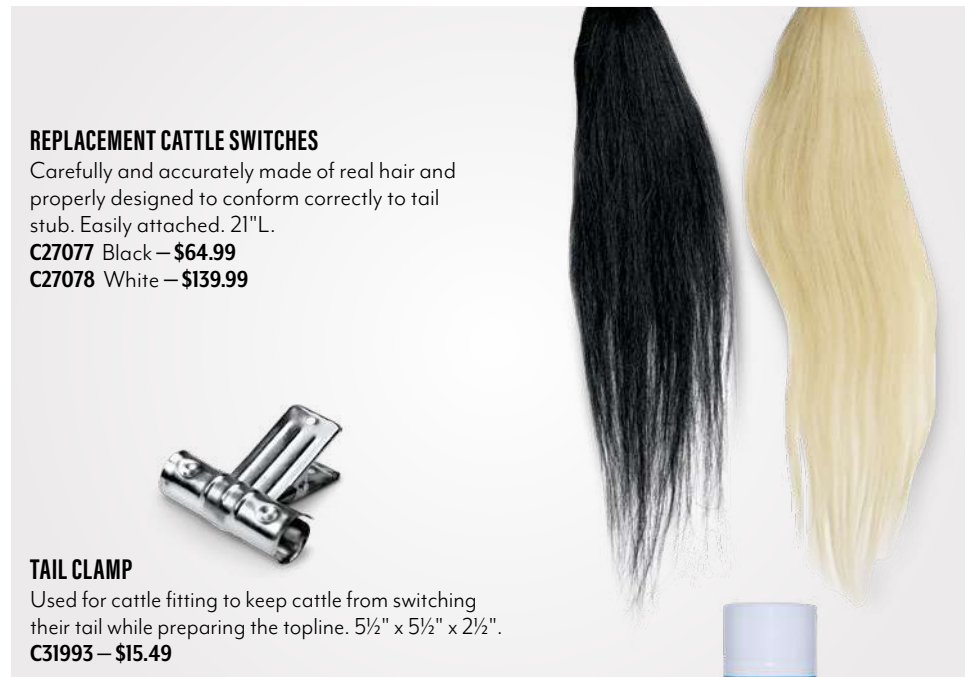
Safe cleanup of paints, glues, adhesives, and other show day grooming products. Gentle, plant-based formula rinses clean with water and won't dry out coat or skin. Dye-free. **C31314 Quart — \$25.29**  
**C31313 Gallon — \$64.49**



CUSTOMER  
FAVORITE

**SULLIVAN HOCUS-POCUS™**

Safe, effective removal of show day preparations. No harsh products to affect hair coat or skin. Spray on, rub in, and shampoo with Sullivan Clear Choice Shampoo™ (C18996, page 20). Vitamin fortified to moisturize hair. 17-oz. can. **C18997 — \$15.99**



**REPLACEMENT CATTLE SWITCHES**

Carefully and accurately made of real hair and properly designed to conform correctly to tail stub. Easily attached. 21"L. **C27077 Black — \$64.99**  
**C27078 White — \$139.99**

**TAIL CLAMP**

Used for cattle fitting to keep cattle from switching their tail while preparing the topline. 5½" x 5½" x 2½". **C31993 — \$15.49**

**\*SULLIVAN TAIL ADHESIVE**

The strongest adhesive for hard-to-hold, coarse, stubborn hair. Used to form tail bush and on leg hair for a fuller, stouter look. Remove with Sullivan Hocus-Pocus™ (C18997, at left). 12½-oz. can. **C18998 — \$14.49**

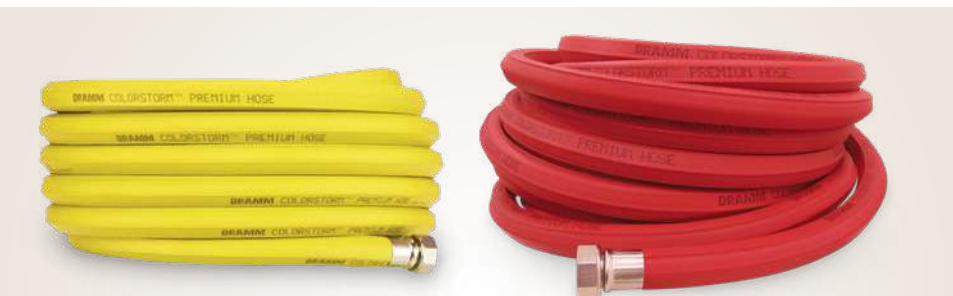


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**SULLIVAN MINI SOAP FOMER**

Ideal for small animal exhibitors. Fill with shampoo, attach hose, and spray pre-lathered shampoo. Dial on the foamer adjusts the concentration of soap, and when finished, turn the dial from the soap setting to the rinse setting without disconnecting hose. Reservoir holds 4 oz. of shampoo.  
**C33357 — \$18.99**



**COLORSTORM™ PREMIUM RUBBER HOSES**

EPDM rubber hoses won't crack, check, or separate. Sure-Grip™ technology resists kinking and coils easily, even in weather down to -25° F. Hot water resistant up to 160° F. Durable, abrasion-resistant cover is acid resistant. Nickel-plated brass fittings are crushproof, allowing them to be run over without crushing. 340 psi pull strength ensures fittings will not pull off the hose. Lifetime warranty.

**C34973** Red, 5/8" x 25' — \$59.99

**C34913** Red, 5/8" x 50' — \$79.99

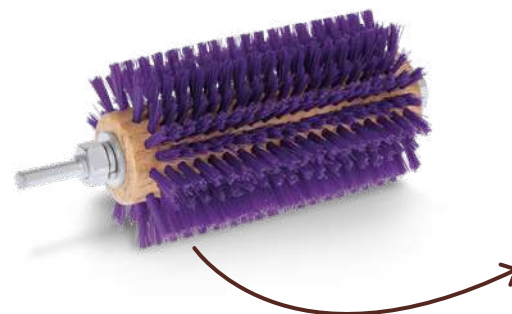
**C34972** Yellow, 5/8" x 25' — \$59.99

**C33872** Yellow, 5/8" x 50' — \$89.99

**C33871** Yellow, 3/4" x 75' — \$149.99

**C33870** Yellow, 3/4" x 50' — \$129.99

**C33869** Yellow, 3/4" x 75' — \$179.99



**WEAVER® FULL-SIZE ROTO BRUSH**

Used with a drill for rotation, the roto brush trains and stimulates leg wool and hair growth when used as part of a daily care routine. For show day, use it to pull up, separate, and define leg wool and hair. Alternating long and short bristle rows reach deep while working the surface for maximum definition. Ideal for cattle. 5 3/8" L brush head.  
**C32665 — \$22.99**



**PROFESSIONAL SPRAY BOTTLE**

Translucent content level viewing. Applies insecticides, herbicides, disinfectants, and cleaning products. 32 oz./1 qt.  
**C34979 — \$5.49**



**BUZZ KILL FLY SPRAY**

Water-based aerosol kills and repels common pests such as flies, mosquitoes, gnats, and other flying insects. Very effective, gentle formula is safe to spray directly onto a groomed animal. Will not break down adhesives. 15-oz. can. **Can only be shipped Ground.**  
**C32406 — \$27.99**



**BABY OIL GEL**

Enhances the appearance of the udder by giving it a glossy finish. 6.5-oz. bottle.  
**NE30368 — \$5.95**

**KRAZY GLUE®**

No clamps, no mixing, no mess. For plastic, metal, rubber, glass, and ceramic.  
**5100234 — \$2.35**



**A E-Z SPRAY BOTTLES**

Low-cost polypropylene sprayer with adjustable spray pattern.

**C05706** Quart — \$3.05

**C07664** Pint — \$2.85

**Replacement Sprayer Heads Only**

**C05707** For C05706 — \$1.89

**C28258** For C07664 — \$1.89

**B DOUBLE-MIST SPRAYERS**

Spray when pulled and again when released. The same output as conventional sprayers with less fatigue. High-quality nozzle is fully adjustable from stream to mist.

**C15882** Quart — \$11.99

**C15883** Pint — \$10.29

**C COMPRESSION SPRAYER**

For insecticides, cleaners, misting plants, animal grooming, and dairy uses. Easy-to-use compression mechanism. Durable plastic 4-pint (2-liter) sprayer.  
**C19562 — \$29.19**

**D WEAVER® PUMP SPRAYER**

Great for applying a variety of liquid products, this plastic sprayer features an adjustable brass nozzle for the perfect spray. Holds 50 oz.

**C33373 — \$25.99**



**SWEAT SCRAPER**

Wipe sweat away with this lightweight, heavy-duty scraper. 10 3/4" rubber blade with 5/4" plastic handle. No color choice.

**C12298 — \$7.14**



**SULLIVAN FLEX BRUSH**

Flexible brush with comfortable strap and pliable teeth used for training hair and washing livestock.

**C31624 — \$18.99**



**BLACK VINYL COMB**

Removes dirt and loose hair. Painless and efficient. No danger of infection or irritation due to sharp teeth. 6 1/4" L x 4" W.

**C00093 — \$3.69**



**SULLIVAN SMART SCRUB BRUSH**

Created from high-quality material for durability. With added length and openings on the strap, it will comfortably fit any sized hand. 7 1/2" L x 3 1/2" W.

**C34583 — \$8.29**



**DECKER KING-SIZE 6-BAND CURRYCOMB**

Strong, reversible 6-band construction will cover more area and do the job quicker than a 4-band comb. Overall length including handle: 10". No color choice.

**C02102 — \$9.69**

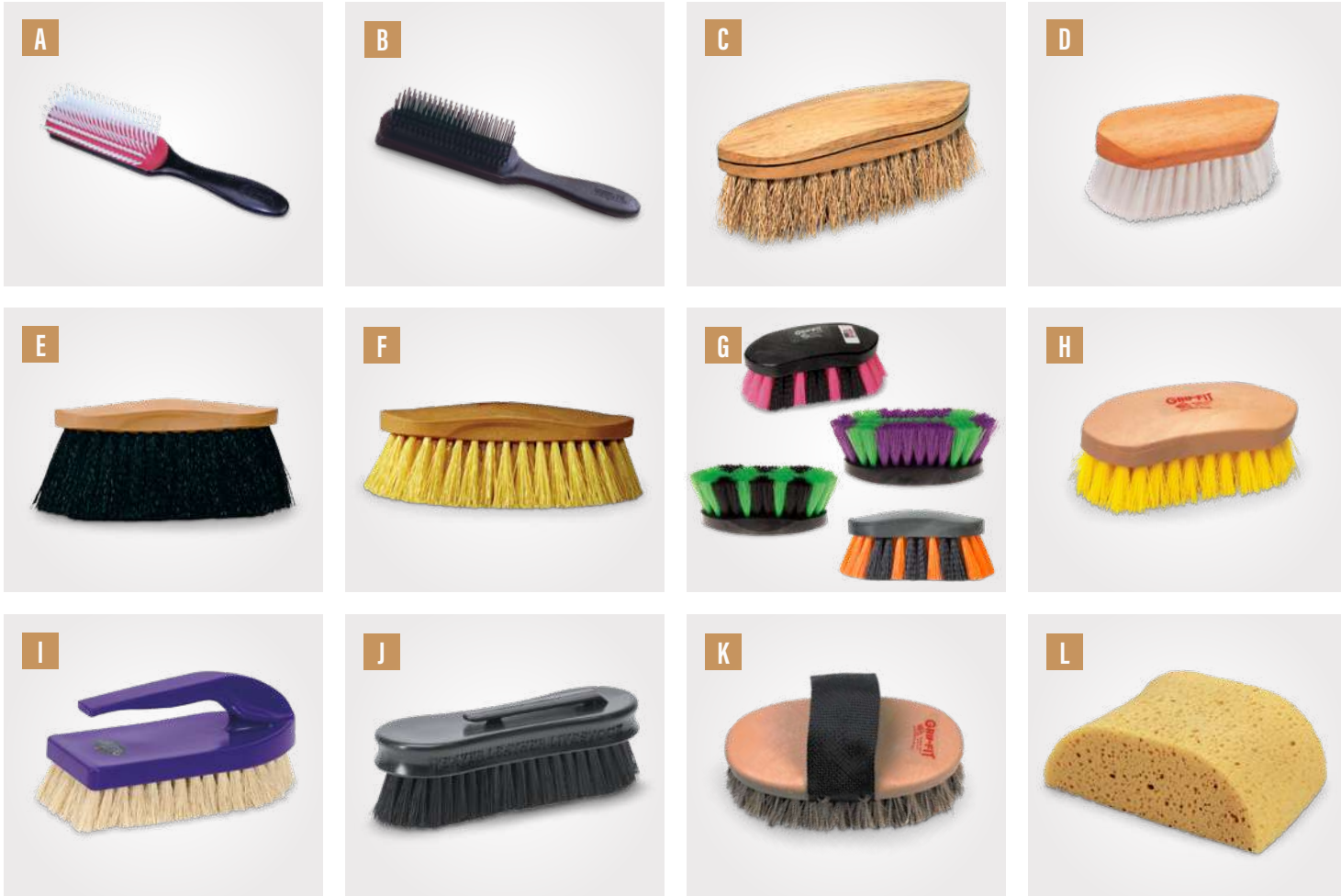


**METAL 4-BAND CURRYCOMBS**

Strong, reversible, and double faced with 4 circular bands and composite inserts. Sharp teeth on one side, rounded on the other. Molded polypropylene handle. 9" L including handle.

**C00094** Steel — \$8.29

**C02391** Stainless Steel — \$11.99



**A DENMAN HEAT-RESISTANT TOPLINE BRUSHES**

Anti-static rubber pads with rows of close-set nylon pins provide maximum grip and control for smoothing, shaping, and polishing.  
C15565 7-Row Brush — \$22.99

**B DENMAN STYLING BRUSHES**

Classic brush with rows of smooth nylon pins. Anti-static rubber pad provides maximum grip and control during blow-drying. For thicker, longer hair. 8"L. C32022 7-Row Brush — \$22.99  
C32092 9-Row Brush — \$26.95

**C NATURAL FIBER WET GROOMING BRUSHES**

100% natural rice root brushes. Crimped natural fibers soften in water and hold shampoo for efficient washing and wet grooming. 2" bristles. 8¼". Comfortable, curved-back wood block. C25049 — \$20.99  
6¾". Pocket-size. C25635 — \$17.49

**D SOLID-COLORED SMOOTH POLY POCKET-SIZE GROOMING BRUSH**

Pocket-size brush with smooth wood handle for general grooming or use as a foot brush. 6½"L x 2½"W with 2" polypropylene bristles. Color may vary. C25751 — \$7.49

**E FLICKER BRUSH**

Bristles are soft enough for the head, but firm enough to flick dirt off the body. Black synthetic 3" bristle. 8½"L x 2¾"W block. C28287 — \$11.49

**F WORK HORSE GRIP-FIT® GROOMING BRUSH**

Great pre-cleaning and mud brush. Stiff, synthetic rice root bristles. 8½"L x 2¾"W block with 2" bristles. C28375 — \$9.69

**G MAJESTIC BRUSHES**

Soft, synthetic bristles great for finishing and grooming sensitive areas. 6¾"L x 2½"W block has 2" trim. C30691 Hot Pink Diamonds w/Black Accents  
C30693 Lime Green Diamonds w/Black Accents  
C30694 Plum w/Inspiration of Lime  
C35341 Orange w/Black  
Each — \$7.99

**H PRINCE GROOMING BRUSH**

Pocket-size brush with colorful 1½" polypropylene bristles. 6¾"L x 2½"W tan polypropylene block. C07812 — \$7.69

**I WEAVER® TAMPICO PIG BRUSHES**

Picks up fine dust, keeps its stiffness when wet, and recovers its shape. Soft brushes great for washing or use in the show ring. 6"L x 2½"W plastic handle with 1" bristles.

 Purple C31320  
 Black C32659  
Each — \$9.99

**J WEAVER® PIG FACE BRUSH**

Great for touch-ups in the show ring or for cleaning clipper blades. Pocket clip for easy access. 5"L x 1½"W plastic handle with 1" poly bristles. Black. C32656 — \$4.99

**K CATTLE HAND BRUSH**

Quality bristle. Tan block filled with brown union fiber. 1½" trim, 7¾"L x 3¾"W block. C00102 — \$12.99

**L HUMPBACK SPONGE**

Applies show day oils. Top-quality open-pore sponge. 7½"L x 5"W x 2¾"H. C28286 — \$11.29



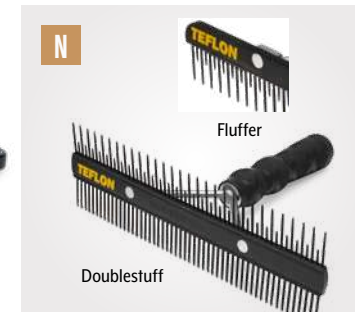
**WEAVER® SHEDDING COMB**  
4"W head with 29 evenly spaced teeth for both thick and thin hair. Rounded teeth won't catch or pull. Stainless steel teeth. Steel "Y" frame. Nonslip grip. C31669 — \$49.99



**WEAVER® WIDE RANGE BRUSH**  
Strong, long-lasting ball-tipped bristles glide through hair. Round, barrel-shaped head works around the angles and curves of the animal. Wooden handle. C34900 — \$29.99



**M WEAVER® EXHIBITOR'S ESSENTIALS COMB TRIO**  
Includes one each of the show, fluffer, and skip-tooth combs. 7½"L x 9"W x 3"H. Black. C32395 — \$48.99



**N SULLIVAN SMART SENSATION BRUSH**  
Stimulates blood flow that releases natural oils from skin to coat hair and promote healthy hair growth. Amplifies volume as it lifts up from the hide. C32007 — \$34.99



**S SULLIVAN DUALY HAIR SHEDDING COMB**  
Double-sided, rounded stainless steel teeth with extra-wide spacing on one side. Gently penetrates deep into the thickest hair coats, removing old dead hair, yet leaving healthy hair unharmed. Narrow-spaced teeth on the other side for medium coats. 5"W head. C32008 — \$59.99



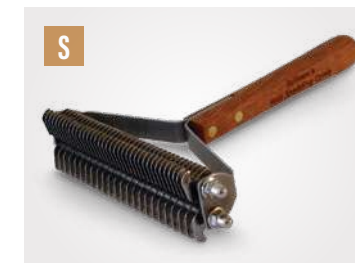
**O WEAVER® SHOW COMB**  
Black plastic buffer with wood handle is designed for both thick and thin coats of cattle to invigorate the hair follicles and skin to promote hair growth. 6¼"L x 9"W x 2"H. C32652 — \$19.49



**Q XL Brush.** 54% more teeth, wider version of the brush above, with 199 ball-tipped teeth in 10 rows. C32006 — \$34.99



**R SULLIVAN COMB**  
Wood handle provides a comfortable grip when grooming animals. The ultimate comb for showmen. 6" standard. C34006 — \$25.99









**P SULLIVAN SMART SENSATION BRUSH**  
Stimulates blood flow that releases natural oils from skin to coat hair and promote healthy hair growth. Amplifies volume as it lifts up from the hide. C32007 — \$34.99

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**CIRCUITEER® II BLOWER/DRYER**

Choice of one motor for sensitive areas or two motors for more blowing power. Prevents water spots. Features 120V utility outlet. No heat element; blower only. Includes a 15'L hose with blower tip and filter. 20'L cord. 120V/17 amps. 4 hp. CSA- and CE-approved units available upon request. Available in 240V through special order. 2-year warranty.

- |  |               |  |               |
|--|---------------|--|---------------|
|  Metallic Blue | <b>C12017</b> |  Black      | <b>C33137</b> |
|  Purple        | <b>C24807</b> |  Pink       | <b>C33138</b> |
|  Green         | <b>C24808</b> |  Lime Green | <b>C33139</b> |



Each — \$579.99



C33139

**CIRCUITEER® IV BLOWER/DRYER**

Portable and lightweight, this blower/dryer may be suspended, carried, or set on the ground. Choice of one motor for sensitive areas or two motors for more blowing power. Prevents water spots. Equipped with 120V utility outlet for use with clippers and lights. No heating element. Also has two outlets that are handy if you need to charge cell phones, laptops, etc. Attractive hammertone finish for extra durability. Blower only. 20-ft. cord. Includes a 15-ft. hose with blower tip and filter. 120V/17 amps. 4 hp. Two-year warranty. CSA- and CE-approved units available upon request. Available in 240V through special order.

- |   |               |  |               |
|---|---------------|--|---------------|
|  Gold | <b>C33140</b> |  Silver | <b>C33141</b> |
|---|---------------|--|---------------|

Each — \$589.99



C33140



**SULLIVAN BLOWER PARTS & ACCESSORIES**

**SULLIVAN DRYER REPLACEMENT PARTS AND ACCESSORIES**

Replacement Filter Only  
**C20160 — \$18.99**

Replacement Hose Only. 15' with nozzle tip.  
**C34012 — \$87.99**

Flux Capacitor™ Dual Blower Hose “Y” System.  
Twice the blowing power — one hose. Combines hoses from two blowers into large 2" dia. hose. 17'L. (Blowers and clamps sold separately).  
**C33937 — \$249.99**



**CIRCUITEER® I**

Use one or two motors to vary pressure. Two high-speed motor turbines (each 4 hp). 18-gauge stainless steel. Has 120V utility outlet. No heat element; blower only. Includes a 10'L hose with blower tip and filter. 20'L cord. 120V, 14.85 amps. CSA- and CE-approved units available upon request. Available in 240V through special order. 2-year warranty.







- |  |               |   |               |
|--|---------------|---|---------------|
|  Metallic Blue | <b>C03833</b> |  Black | <b>C33136</b> |
|--|---------------|---|---------------|

Each — \$579.99



**MINI-CIRC BLOWER/DRYER**

Rugged, 18-gauge steel. Two-stage, 9.5-amp motor turbine. 4 hp. Includes blower tip, filter, and 10'L hose. CSA- and CE-approved units available upon request. Available in 240V through special order. 2-year warranty on motor only.


- |   |               |  |               |
|---|---------------|--|---------------|
|  Metallic Blue | <b>C12278</b> |  Black      | <b>C33133</b> |
|  Purple        | <b>C24805</b> |  Pink       | <b>C33134</b> |
|  Green         | <b>C24806</b> |  Lime Green | <b>C33135</b> |

Each — \$359.99



**CIRCUITEER® MAX BLOWER/DRYER**

From the makers of the original Circuiteer® comes the most powerful machine yet — with 50% more blowing power. Heavy-duty, yet portable and lightweight. Gives you the choice of one motor for delicate jobs or two motors for more blowing power. Ideal for heavy-coated or long-haired animals; cleaning equipment, shops, and barns; blowing leaves and debris; and more. Comes with 10'L hose and two different size blower tips. 120V AC, 18.5 amps. Two motors (each 4 hp). Using a longer hose will limit blowing power. 2-year warranty. Available in 240V through special order.

- |  |                  |
|--|------------------|
|  Purple | <b>C25801(A)</b> |
|  Red    | <b>C25801(B)</b> |
|  Black  | <b>C25801(C)</b> |

Each — \$649.99

**CIRCUITEER® BLOWER PARTS & ACCESSORIES**

**CIRCUITEER® REPLACEMENT PARTS AND ACCESSORIES**

Replacement parts and accessories for Mini-Circ, Circuiteer® I, Circuiteer® II, Circuiteer® IV, and Circuiteer® MAX.

**C12292** Replacement hose, 10' — \$59.99

**C15570** Replacement hose, 15' — \$72.99

**C15571** Replacement hose, 20' — \$94.99

**C09729** Replacement blower tip — \$13.99

**C07569** Replacement filter — \$6.99



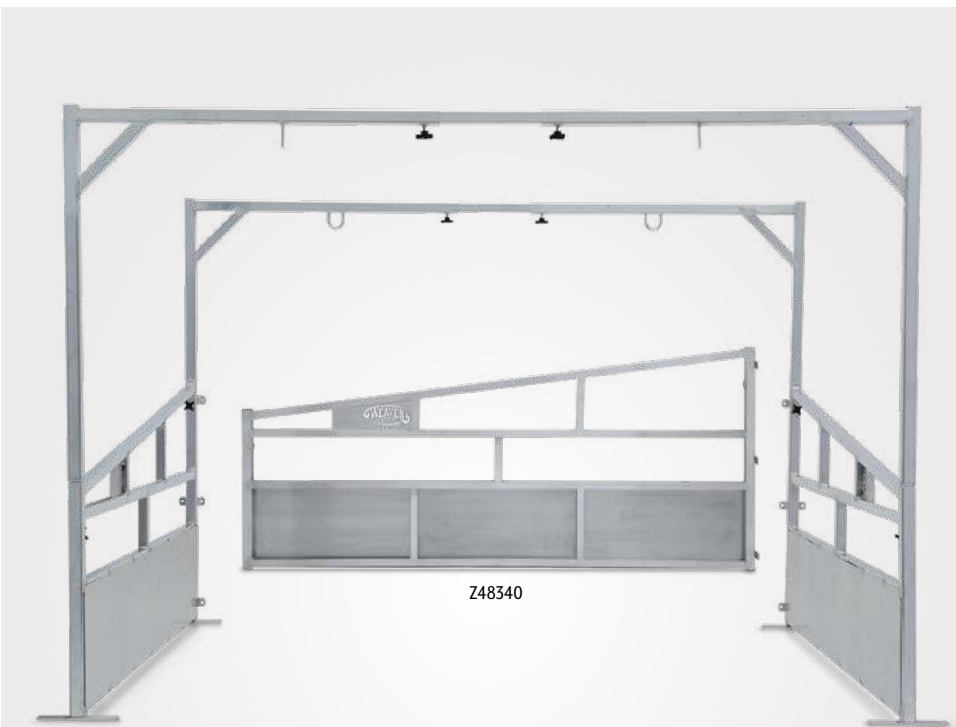
**CONAIR® HAIR DRYER**

Powerful enough to dry hair quickly, and compact enough to take wherever you need it. 1875 watts of power in a mid-size dryer. Two heat/speed settings. 5'L cord.  
**C35605 — \$27.99**



**SULLIVAN AIR EXPRESS MINI BLOW DRYER**

Equipped with a single, high-powered, high-efficiency motor. Only draws 11 amps of electricity. Includes a patented aero-dynamic funnel front end cap design for more air velocity and the patented cartridge filter system. Includes supplemental heat booster to increase air temperature for faster drying. Includes a 15' hose.  
**C32991 — \$389.99**



**WEAVER® ALUMINUM LIVESTOCK FAN CAGE**

Configurable to accommodate one to four animals, this fan cage allows you to tie an animal's head at just the right height. Easy to haul and build for years of use. Durable, powder-coated, angled side panels allow you can build up the bedding. Features two stall dividers, two front L-bars, two rear L-bars, four front head ties, four rear fan hangers, two extension tubes, and 12 knobs. Extend from 8' to 14' wide. Front height: 73½". Rear height: 78½". Stall divider length: 96". Allow extra delivery time. 🚚

**Z48332 – \$1,599.99**

**Stall Dividers.** For Livestock Fan Cage above. Allow extra delivery time. 🚚

**Z48340** Stall divider, right – **\$439.99**

**Z48339** Stall divider, left – **\$439.99**



**SULLIVAN PEN CADDY WITH FEEDER HANGER**

The 18" L x 8" W x 5" D open supply box at top hangs over into the pen. Features two hooks on the aisle side for hanging supplies, plus a whip storage tube. Can be attached at multiple heights. Tie-down chains prevent animal from lifting the Pen Caddy off the fence. Great for pigs, sheep, or goats. 36"H. Feeder sold separately.

**C35036 – \$149.99**



**SULLIVAN CADILLAC CHUTES**

Square tubing strength with rounded corners. Portable. Side bars and head gate are powder-coated. 9-gauge aluminum chutes include wheels, head tie, and 2" tubing. Padded floors sold separately below. Allow extra delivery time. 🚚

**7' Hybrid Chute (Aluminum Top w/Steel Base).** Everything above steel base is aluminum. 7'L x 34"W x 6"H.

**Z46293 – \$1,299.99**

**7' Aluminum Chute.** 7'L x 34"W x 6"H.

**Z46294 – \$1,199.99**

**7½' Aluminum Chute.** Includes paper towel dispenser.

7' 6"L x 36"W x 7' 6"H.

**Z49375 – \$1,299.99**

**8' Aluminum Chute.** 8'L x 34"W x 7'H.

**Z49989 – \$1,499.99**

**Padded Chute Floors.** For use with chutes above. Wood floor and extra-thick, high-density foam padding, all covered in a durable multipurpose carpet.

**Z49376** For 7' chutes (Z46293 and Z46294)

**Z49377** For 7½' chute (Z49375)

**Z49990** For 8' chute (Z49989)

**Each – \$319.99**



**WEAVER® KIRK STIERWALT PROFESSIONAL CATTLE CHUTES**

All-aluminum, fully collapsible, powder coated with bars and head piece fitting securely in base for easy storage. Spring-loaded side bars for easy removal/adjustment (including horizontally or angled). Triangle head piece offers options for clipping at different angles. Radius corners eliminate the sharp, pointy edges. One-piece, ¼" thick corner support at base of legs for extra stability and reinforcement. Recommended to be used with animals that have been broke. Animal should never be left unattended in chute. Allow extra delivery time. 🚚

**7½' Chute.** Assembled chute: 122½"L x 36"W x 75"H. Collapsed chute: 104"L x 36"W x 16"H

**Z47629 – \$1,499.99**

**8' Chute.** Assembled chute: 138"L x 36½"W x 75"H. Collapsed chute: 110"L x 36½"W x 16½"H.

**Z50204 – \$1,649.99**

**Padded Chute Floors.** 1½" thick, closed-cell foam padding provides extra comfort and covers the entire length of the floor. Durable outdoor carpet prevents liquids from getting inside. Easy to clean with a pressure washer.

**Z48225** For 7½' chute (Z47629) – **\$349.99**

**Z50203** For 8' chute (Z50204) – **\$419.99**



**WEAVER® SINGLE GATE PIG PEN DIVIDER**

Lightweight design, portable. Powder coated with a silver vein finish that prevents aluminum from rubbing off on the animal and leaving a black mark. Measures 33"H x 7½'W when fully expanded and 33"H x 48" W when collapsed. Allow extra delivery time. 🚚

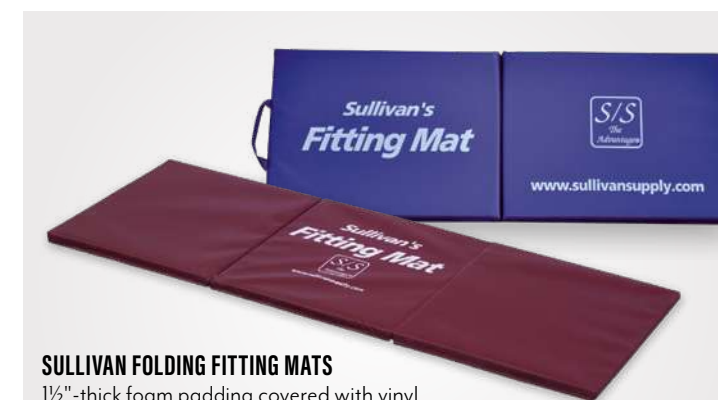
**Z49973 – \$549.99**



**ALUMINUM PEN SINGLE-LIFT DIVIDER GATE**

Powder-coated aluminum to prevent leaving marks on animals. Gates feature ⅝" aluminum vertical round rods, square horizontal rods (¾" aluminum and 2" extruded aluminum). Includes 4 mounting tabs to attach divider gate to existing gates and 8 heavy-duty ⅝" zip ties to attach gate to pen. 34"H gates expand from 48" to 83"L. Black. Allow extra delivery time. 🚚

**Z47991 – \$399.99**



**SULLIVAN FOLDING FITTING MATS**

1½"-thick foam padding covered with vinyl.

**Single-Fold Mat.** Folds in 1 place. 18"L x 24"W when folded. Purple.

**C31300 – \$89.99**

**Double-Fold Mat.** Folds in two places. 30"L x 28"W when folded. Maroon.

**C31301 – \$149.99**

**WEAVER® KIRK STIERWALT PROFESSIONAL CHUTE PULLER**

Design makes moving chutes a breeze. Will accommodate any chute with handles in the back, making it easy to lift the chute off the ground and pull it to its destination. Folding design makes it a compact space-saver perfect for travel to shows. The 10" no-flat, polyurethane foam-filled tires feature rugged treads for easy navigation.

**C32637 – \$279.99**



**NASCO SLIMLINE SINGLE-BUCKLE ROUND-STRAP SHOW HALTERS**

The "show" side buckle has been eliminated and the cheek strap reduced to 3/4" to make these halters more sleek and attractive, allowing the animal's head to be shown off with a more refined look. Nickel-plated hardware, swivel snaps, and one adjustable buckle. 50"L lead strap.



Size	Black	Chocolate	Each
Dairy & Beef Calf	C24087	C24083	\$52.99
Dairy Cattle & Beef Heifers Yearling	C24088	C24084	\$52.99
Dairy Cattle Cow/Steer	C24089	C24085	\$52.99
Dairy Cattle Large Cow/Bull	C24090	C24086	\$52.99

**A NASCO SLIMLINE DOUBLE-BUCKLE ROUND-STRAP SHOW HALTERS**

Quality halters made 1/4" thinner to show off the animal's head. The thinner nose piece gives the animal a more refined look. Nickel-plated hardware, swivel snaps, and 2 adjustable buckles with a finer-link chain than other halters. 54" x 3/4" lead strap.

Size	Black	Chocolate	Each
Dairy & Beef Newborn	C24091	C24092	\$52.99
Dairy & Beef Calf	C15950	C13362	\$56.99
Dairy Cattle & Beef Heifers Yearling	C15951	C13364	\$56.99
Dairy Cattle Cow/Steer	C15952	C13363	\$57.99
Dairy Cattle Large Cow/Bull	C18979	C18980	\$58.99

**B NASCO ROUND-STRAP SHOW HALTERS**

Enhance the look of your show animals. Two buckles for adjusting head strap. Round cheek and nose pieces. Matching bright nickel-plated chain (18"-20"). Chain link size: 1"L x 1/2"W. 1"W leather head strap. 40" x 1" leather lead strap. Best on beef cattle.

Size	Black	Chocolate	White	Each
Newborn	C10747	—	—	\$58.49
Calf	C02570	C11703	—	\$58.99
Yearling	C02284	C11702	—	\$57.99
Cow/Steer	C02285	C11705	C02565	\$58.99
Large Cow/Bull	C12304	C12305	—	\$64.99

**SLIMLINE SHOW HALTER SIZE GUIDELINES**

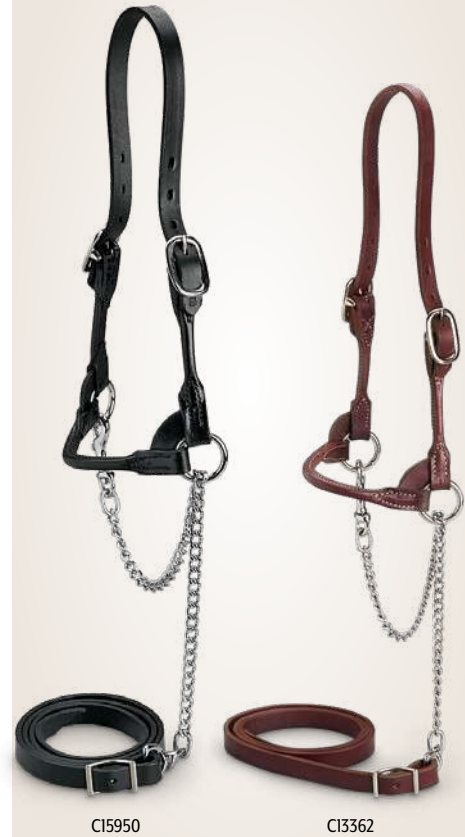
<b>NEWBORN</b>	Fits up to 250 lbs.
<b>CALF</b>	From 250 lbs. - 750 lbs.
<b>YEARLING</b>	From 750 lbs. - 1,000 lbs.
<b>COW/STEER</b>	From 1,000 lbs. - 1,200 lbs.
<b>LARGE COW/BULL</b>	1,200 lbs. and up

**Nasco FARM & RANCH**

**A**

**CUSTOMER FAVORITE**

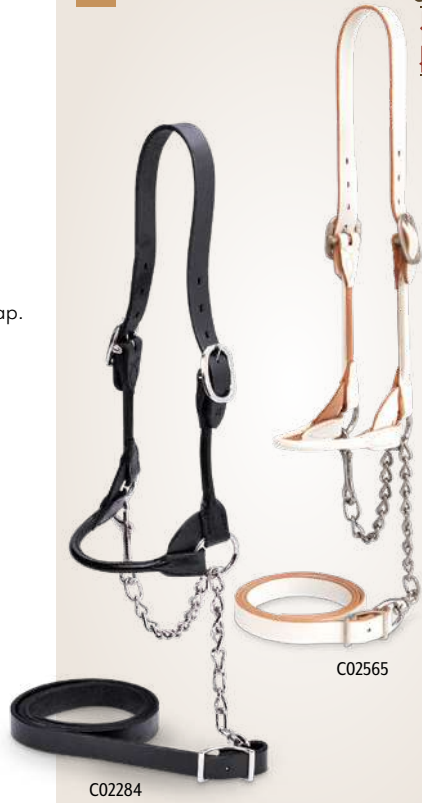
**Nasco FARM & RANCH**



C15950 C13362

**B**

**Nasco FARM & RANCH**

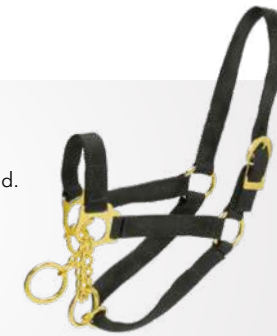


C02284 C02565

**NYLON HALTER**

Designed to be left on the show animal. Lead may be attached. Black.  
C15156 Calf  
C15157 Yearling  
Each — \$19.99

C15158 Cow/Steer  
C18188 Large Cow/Bull



C04723

**DOUBLE ROPE TIES**

Polyethylene rope ties for tethering bulls. Large snap attaches to ring, and one end of each rope ties to opposite sides of stall. Can also be used as a show lead.  
6'. 7/16" dia. with 1" bull snap in middle. Orange and black rope.  
C34852 — \$12.99  
6'. 1/2" dia. Black rope.  
C04723 — \$8.29



**Nasco FARM & RANCH**

**NASCO HEAVY-DUTY HALTERS**

A tie halter or a lead halter. Hook to stall by bottom ring, or lead using side ring. Has chain throat and chin piece. Leather; riveted and sewn. Extra heavy duty; all leather is doubled and stitched. Black.  
C09990 Calf size, 1 1/4" — \$54.99  
C09991 Yearling size, 1 1/4" — \$55.99  
C09992 Cow/steer size, 1 1/2" — \$54.99  
C09993 Large cow/bull size, 2" — \$72.99



C35498 C35501

**WEAVER® DAIRY SHOW HALTERS**

Refined look for dairy cattle in the show ring. Sleek, single-buckle leather halter with rounded nose band and 3/4" cheek straps. Thin chain and a delicate swivel snap complement a feminine profile. Nickel-plated hardware for black halters; brass-plated hardware for brown halters.

Size	Black	Brown	Each
Extra-Small	C35497	—	\$49.99
Small	C35498	C35501	\$51.99
Medium	C35499	—	\$54.29
Large	C35500	—	\$55.99



**BREAKING, TRAINING, 3-IN-1 HALTER®**

Fully adjustable; made of 5/8" dia. solid braided polypropylene rope for extra strength. Rope has approximately 4,000 lbs. breaking strength. Royal blue. Chain for maximum control.  
C13058 — \$42.99

**SUPREME WEB TURNOUT COW HALTERS**

Super strength, and durable. Double-stitched 1" nylon, nonslip buckle, and adjustable strap. Lead sold separately below.

Color	Calf up to 400 lbs.	Yearling 400-900 lbs.	Cow/Steer 900-1,200 lbs.	Large Cow/Bull
				1,200 lbs. and up
Black	C15944	C15945	C15946	C15947
Blue	C07893	C07891	C07889	C14077
Each	\$17.49	\$17.49	\$17.49	\$17.49



**QUICK-RELEASE HALTER**

Polypropylene halter is strong and moisture will not affect it. Has a built-in quick-release honda, 10'L and 1/2" dia.  
C12958 — \$12.49



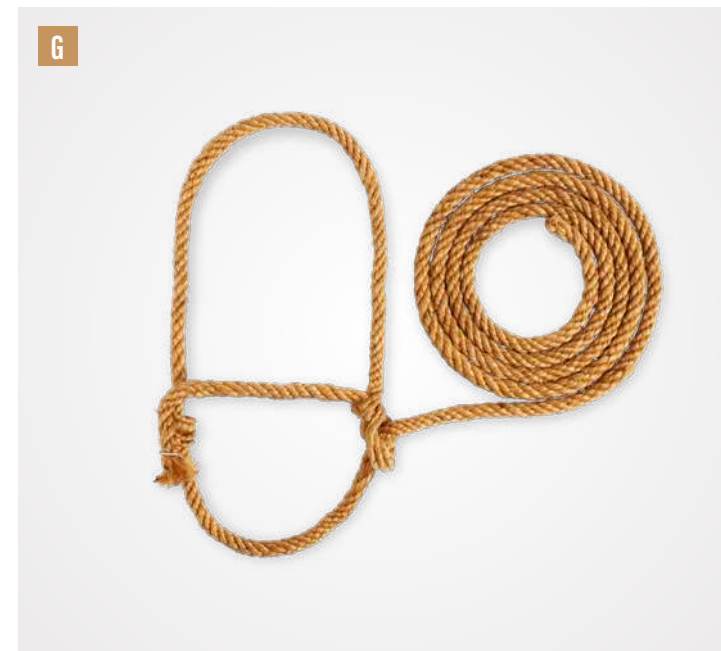
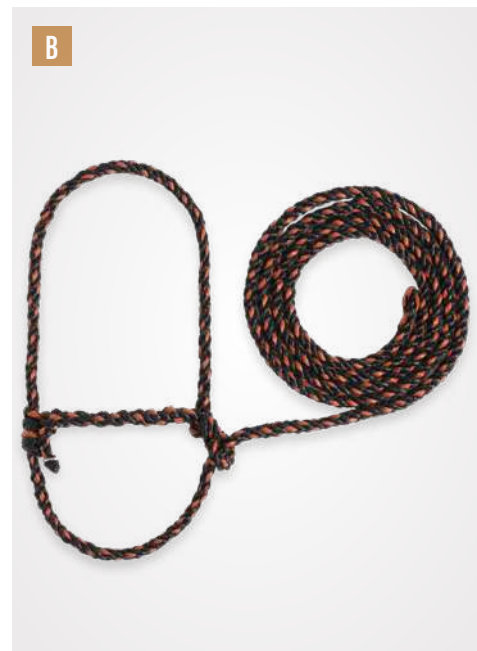
**POLYPROPYLENE ROPE LEAD**

Lead is three times as strong as cotton leads. Polypropylene. 8'L. Has swivel snap. Black.  
C02460 — \$7.79



**SECURITY TIE NECK ROPE**

18-strand, security tie of durable plastic twine. 5/8" dia. rope has a 7' to 8' adjustable lead. One end is finished with a crown knot, the other snaps into a metal ring. 10 1/2"L.  
C09877 — \$8.79



**A FULLY ADJUSTABLE YEARLING AND COW HALTERS**

Fits yearling to full-grown cattle. 12½" cut of ½"-dia. polypropylene rope. 7' lead rope. Rot and mildew resistant.

Black	C12269	Lime Green/White	C27929
Red	C13411	Lime Green/Pink	C27930
Blue	C13412	Red/White	C34383
Teal Green	C34849	Blue/White	C34384
Purple	C24097	Black/Green	C34385
Purple/Black	C27926	Black/Blue	C34386
Black/Orange	C27927	Black/Lime	C34387
Hot Pink/Black	C27928		

Each — \$6.99

**B BABY CALF ROPE HALTER**

¼" plastic four-braid sisal with 4'L lead x ¾" dia. Black/orange. C34853 — \$7.99

**C POLYPROPYLENE CALF HALTER**

Made of three-strand, twisted, monofilament polypropylene; ¾" dia. 10" nose band. 6' lead. Fits newborns up to 200 lbs. Ends are heat fused.

Blue	C33847	Black	C12270
Red	C33848		

Each — \$4.99

**D WEAVER® CATTLE ROPE HALTERS**

Easily adjustable rope halters constructed of poly rope in trendy and traditional colors. Leads are approximately 7'L.

Blue/Hurricane Blue/Lime Zest	C32695	Purple/Black/Gray	C35475
Purple/Black/Teal	C34594	Pink/Black/Gray	C35476
Gray/Lavender/Mint	C34597	Blue/Turquoise/Gray	C35477

Each — \$7.49

**E HEAVY-DUTY PLASTIC ROPE HALTERS**

Useful when washing cattle for show. Halters will not rot or swell. Durable, well-finished halters have adjustable leads and a secure crown knot.

<b>Calf.</b> 10' of ¾" rope with 7' lead.	<b>X-Large Cow/Bull.</b> ¾" dia. rope with 9' lead.
C10853 — \$9.99	C34850 — \$11.69
<b>Cow.</b> 7/16" rope with 8' lead.	
C10852 — \$10.49	

**F POLYETHYLENE HALTERS**

Heavy, ½" woven polyethylene. 10" nose band. Self adjustable. 7' lead. C02377 Green/White C13057 Black/White

Each — \$7.99

**G HEAVY-DUTY SISAL ROPE HALTERS**

Best-quality, handmade sisal rope halters. Roughness is eliminated, as all protruding fibers are carefully burned off. Adjustable to most any size animal.

½". For younger heifers or calves. ½", four-braid sisal rope with 7' lead. C34851 — \$8.99
¾". For extra-large cattle and bulls. One-piece rope with no clip at the lead end. 15' of ¾" sisal rope with 9' lead. C07431 — \$12.49
¾". For stable, shipping, and show use on both cattle and horses. Nose band is top-quality russet strap leather, attached with 4 solid steel rivets. Has a wire clip at lead rope end. 7' lead, ¾" dia. C00066 — \$13.79
¾". 13' featuring a 7' lead with the end smoothly finished in a crown knot. C00068 — \$10.59



**NYLON NECK STRAP**

Made of thick woven material, this 45"L x 1 3/8"W x 1/8" thick strap has a soft feel that keeps its shape and strength in any weather condition. Polished plated steel hardware and D-ring.  
C31296 – \$15.99

**NYLON COLLARS**

Heavy-duty collars made to last. Constructed of two layers of high-quality nylon webbing; yearling and cow collars are made from triple layers of webbing. Each collar includes a nickel-plated buckle and D-ring.

Color	Calf 30"L x 1"W	Yearling 37"L x 1 1/2"W	Cow/Steer 44"L x 1 1/2"W	X-Large Cow 50"L x 1 1/2"W	Bull 56"L x 2"W
Red	C18720	C14330	C18721	C16210	—
Black	C19645	C19646	C19647	C19648	C18724
Blue	C14329	C18722	C14331	C18723	—
Each	\$9.79	\$11.99	\$13.49	\$15.99	\$19.99



**NYLON NECK STRAP**

Virtually indestructible. Constructed of 1/4" rugged nylon, tested at 8,600 lbs. Heavy-duty, zinc-plated, rigid buckle has a welded hook-up ring for added ease. 48"L x 2"W x 1/4" thick.  
C14597 – \$21.99



**SUPERIOR-QUALITY NECK STRAPS**

Strong leather with chrome-plated buckle and D-ring. Assembled with large, sturdy rivets. 3/16" thick. 42"L x 1 1/4"W. Nickel plated.  
C00365 – \$21.99



**CALF NECK STRAP**

Made of best-grade natural skirting leather, 3/16" thick. 30"L x 1"W. Stitched and riveted.  
C00364 – \$14.99



**COW COLLARS**

Double thickness cow collar. 2"W x 48"L.

Yellow/Black	C35137
Black	C35138
Red	C35139
Blue	C35140
Each	\$10.84



**SULLIVAN'S BLACK HEAT™ NECK SWEAT**

Results in just 3–5 days. Double-stretch, closed-cell SBR copolymer neoprene. No-fray design features fabric binding sewn around outer edges to prevent tearing and add strength. Hook-and-loop fasteners are permanently sewn in place.

**Medium.** For cattle weighing 550–1,000 lbs.  
C26311 – \$74.99  
**Large.** For cattle weighing 750–1,500 lbs.  
C26312 – \$74.99



**HORN WEIGHTS**

Clamp-type, two-piece weights of heavy cast iron. Simple to attach with locking arrangement. Weights stay firmly anchored to horns by means of tapered points in each half of the weight. Two machine bolts with lock washers hold the weights on. Sold per pair.

**3/4-lb.** Inside dia.: 7/8"–1 1/16".  
C00796 – \$35.99  
**1-lb.** Inside dia.: 7/8"–1 3/16".  
C00797 – \$41.99  
**1 1/2-lb.** Inside dia.: 1"–1 3/8".  
C00798 – \$54.99



**A ALUMINUM CATTLE LEADER**

Gives the nose a shorter appearance than other type leads. Strong, lightweight aluminum. Automatic lock is easily released. Permits animal to eat without removal. 2 1/4" x 1 1/4" x 3 3/4".  
C02159 – \$31.99

**B BULL LEADER**

Brass alloy with 15" chain.  
C15052 – \$22.49



**SELF-PIERCING BULL RINGS**

Made from high-tensile, brass or aluminum material. Hand polished and buffed. Long, sharp point cuts a clean hole. Includes flathead screw, Allen-head screw, and Allen wrench.

5/16" x 2 1/16". Brass. C00988 – \$15.29	3/8" x 3". Brass. C02010 – \$16.89
5/16" x 3". Brass. C04967 – \$15.79	7/16" x 3 1/2". Large for big bulls. Brass. C00349 – \$19.99

**NICKEL PLATED**



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**IRON**



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**BRASS**



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**ZINC-PLATED**



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**GALVANIZED**



P

**C CATTLE TIE SNAPS**

**Medium Snap.** Nickel plated. 3 3/4" overall. 5/16" snap opening. 7/8" swivel eye.  
C00511 – \$4.29

**Extra-Heavy Snap for Bulls.** Cast iron. 5 3/16" overall. 5/8" snap opening. Swivel eye. Nickel plated.  
C00512 – \$6.09

**D HEAVY DOUBLE-PATTERN SNAP**

4 1/2" overall, 1/2" ring-size snap opening. Nickel plated.  
C02840 – \$2.49

**E 5/8" SWIVEL-EYE BOLT SNAP**

5/8" nickel snap, round swivel eye, 3 1/2" overall length.  
C02836 – \$1.99

**F LOXPRING SWIVEL ROUND-EYE SNAP**

Cast iron, 7/16" ring-size snap opening. 1" eye, 4 3/4"L. Cadmium plated.  
C04409 – \$3.89

**G MALLEABLE IRON FIXED-EYE BULL SNAP**

Toughened by slow heating and gradual cooling. Has the strength to take punishment and hold weight safely. 3 3/4" x 7/8".  
C33648 – \$3.99

**H TRIGGERBULL™ EZ OPEN SNAP HOOK**

Brass, swivel-eye with easy-open spring, loaded-trigger bull snap. 1" snap. 4"L.  
C27488 – \$5.69

**I BOLT/ROUND SOLID BRASS SWIVEL-EYE SNAPS**

**Light Duty.** 3/8" snap opening, round swivel eye. 3 3/8"L x 1 1/8" overall. C12875 – \$2.49  
**Heavy Duty.** 1/2" snap opening, round swivel eye. 4 3/4"L overall. C12877 – \$7.99

**J DOUBLE SNAP**

Solid brass, double-end bolt snap. 4 3/4"L with 1/2" openings.  
C28261 – \$5.29

**K EXTRA-HEAVY SWIVEL-EYE BULL SNAP**

Zinc-plated malleable iron, 1" eye, 5 3/16" overall, 5/8" snap opening.  
C27435 – \$6.69

**L SPRING SNAP**

Steel wire, zinc plated, 2 1/2" overall, 5/16" snap opening.  
C02831 – \$1.04

**M BOLT SNAP**

Zinc plated over malleable iron, open eye, light chain pattern. 1/2" eye, 4" overall, 3/8" ring-size snap opening.  
C02404 – \$2.29

**N ALL-PURPOSE SNAPS**

Zinc-plated, normal steel snaps.  
3/32". 2 3/4"L. C32973 – \$1.49  
7/16". Spring link. 3"L. C14682 – \$1.69

**O QUICK LINKS**

For quick connection of chain, cables, and wire rope. Easily tightened with fingers. Have tensile of proof coil and BBB chain. 1/8" zinc-plated steel. 2 15/16"L, 3/8" jaw opening.  
C15476 – \$1.84

**P TIE RING**

Mount wherever you usually want to tie livestock in stalls, stables, trailers, etc. Galvanized finish.  
C05288 – \$2.09

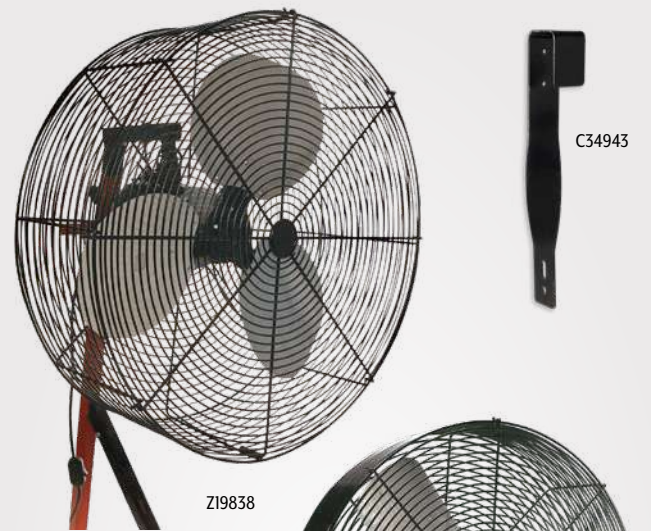
CUSTOMER  
FAVORITE



**SCHAEFER F5™ LIVESTOCK CIRCULATION FAN**

Dependable, long-lasting motor with low-solidity ratio blade for efficiency and quiet operation without losing airflow and speed. Heavy-duty steel guards with reinforced ribs and outer rings. Powder-coated black finish over guards. Corrosion resistant inside and out for durability and long life. Flexible 7' cord with water-resistant and weatherproof on/off switch for convenient operation. Hang mount included for easy setup and take-down. 115/230V. 24" dia. ½ hp, 1,725 rpm, 7,700 cfm. Allow extra delivery time. 🚚

C33424 – \$429.99



Z19838

C34943



C24104

Built-in  
mounting tab

**SULLIVAN 28" SHOW BARN FAN™**

Quiet-running, 28" fan disperses airflow in a wide air pattern. Deep cage design allows for less friction between fan blade and fan case, resulting in a quieter fan. Heavy-duty, ½ hp, ball-bearing motor draws only 4 amps. Front-hinged, black cage opens to provide easy access to clean blades. Includes motor, cord, blade, and guard. Fully assembled. Allow extra delivery time. 🚚

Z19838 – \$549.99

**SULLIVAN TURBO™ LIVESTOCK FANS**

Fans are equipped with heavy-duty motors. Powerful and problem free. Blade design blows at a higher velocity and provides more airflow with a wider path of air movement. Complies with OSHA regulations. Durable front guard opens for easy blade cleaning. Fan Bracket Hanger (C34943) sold separately. Allow extra delivery time. 🚚

20". ½ hp motor. 1,725 rpm. 4,792 FPM.

C24104 – \$449.99

24". ½ hp motor. 1,740 rpm. 5,560 FPM.

C15250 – \$549.99

**Fan Bracket Hanger.** Easily hangs from a 2x4 or rafter. 15½" x 2" x 2".

C34943 – \$26.99

**WALL/CEILING BRACKET**

Mounts to walls, posts, or ceilings. Adjustable pivot bracket allows omnidirectional air circulation. Bracket has three mounting holes (each 1⅜" dia.). **NOTE:** Not recommended for use with oscillating circulators when ceiling mounted.

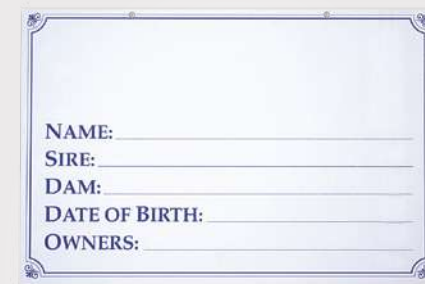
C29201 – \$89.99



**UPRIGHT FAN STAND**

Height is adjustable. 1½" tubing. No heavy base required. Mounting brackets included to nail to front of stall. Holds one or two 24" fans, or one 30" fan (not included).

C15772 – \$169.99



**PEDIGREE INFORMATION SIGN**

Customizable in one or two colors to include the owner, company, association, show, and farm or ranch name/logo of your choice. 12" x 18" signs made of durable, reusable ⅝"-thick white plastic. Erasable markers recommended (not included). Two holes for hanging. Blue info lines on white.

C24100 – \$17.49

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**SULLIVAN FAN STAND TRUCK**

Convenient fan stand truck can be mounted with one or two fans. Adjustable bars so fans can be moved to any height. Holds 24" fans (not included). 1-year warranty against manufacturer defects. Allow extra delivery time. 🚚

C32259 – \$309.99



**SULLIVAN FAN STAND CART**

Moves easily and has an adjustable height from 3' 5"-4'. Stand holds one fan (not included).

C31903 – \$239.99



**HEAVY-DUTY HOT WATER PISTOL**

Withstands temperatures up to 160° F at 100 psi. Heavy-duty construction and thermal insulating grip provides control over hot water.

C33873 – \$17.99

**SULLIVAN WATER PURIFIER**

Removes chlorine and other elements, keeps animals drinking while on the show road. Can use at home. Promote better hair growth and reduces flaking skin. Simply screws onto your faucet.

C31304 – \$69.99



**BRASS HOSE SWIVEL**

Swivels under pressure, allowing movement between the hose and attachment. Now the hose can be unwound without having to manually twist the hose.

C33968 – \$17.99



**MOUNTING BRACKET FOR FANS**

Fits suspension-mounted fans. Attaches to tab on fan motor. Designed to hang fan from a 2x4 or ceiling truss.

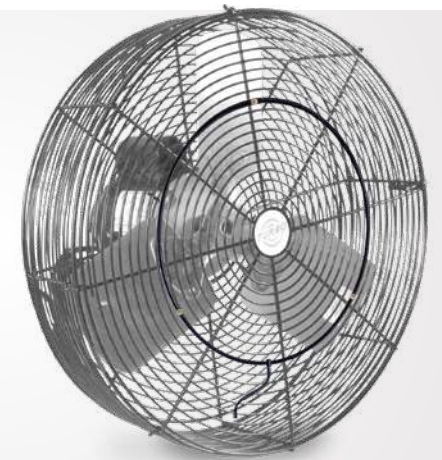
C32487 – \$16.99



**SULLIVAN ARCTIC CHILL™ FAN ATTACHMENT**

Black steel misting ring with three nozzles placed on a 16" dia. black powder-coated steel circle that has a 6' lead line that connects directly to a garden hose. Creates a micro-fine mist that flash evaporates, cooling the air up to 30°. Attaches to any 24" fan (not included).

C31333 – \$64.99



**COMMANDER "TRI-JET" FOGGER**

Combination of adjustable valve and tornado-action nozzle maximizes cold mist direction up to 30 feet. Versatility fogging with both water- and oil-based materials. Can use either indoors or outdoors. Features a triple nozzle with two-stage action, an adjustable valve to meter output, rustproof construction, 1-gallon tank, and a heavy-duty motor. 110V AC. 5-year warranty.

C15655 – \$309.99



SEE PAGE 159  
FOR MORE FOGGERS



**WEAVER® DELUXE DOLLY SHOW BOX**

Sliding rack. Two spacious foam lined drawers on slides. Easy access to your blower with pull out drawer. Mounted on a wheeled frame with a dolly handle. Door features eight hooks. Five sets of brackets on both the back of box and inside of door offer storage for show sticks. Sturdy hasp latch keeps items secure (padlock not included). 24" D x 30"W x 61½"H; depth including handle is 31". Allow extra delivery time. 🚚  
**Z51268 — \$1,799.99**



**WEAVER® FRENCH DOOR SHOW BOX**

Aluminum shelves for liquids and aerosols, three hooks for halters and ropes, and storage pipes, whips and blowers. Easily mobile with 10" no-flat tires. 4' 31½"L x 36½"W x 49½"H. Allow extra delivery time. 🚚  
**Z49978 — \$1,449.99**



**WEAVER® DOLLY SHOW BOXES**

Mounted on a wheeled frame with a dolly handle. Hooks for hanging halters, ropes, and more. Large bottom shelves can fit a blower, gallon-size products, and clippers. Hasp latches keep doors closed and contents secure (padlocks not included). Feature 10" no-flat, polyurethane foam-filled tires with rugged treads for easier rolling. Allow extra delivery time. 🚚

**4' Show Box**

**Z48507** Single-door, galvanized. 24"W x 46½"H x 24"D. — **\$949.99**

**Z49083** Two-door, aluminum. 24"W x 48"H x 26½"D. — **\$1,499.99**



**SULLIVAN SHOWTIME GALVANIZED STEEL SHOW BOXES™**

Economically priced box with solid, 20-gauge galvanized steel with reinforced sides. Unique lid-stop on hinges — no chains or cables. Dividers on the bottom. Removable sliding tote tray with handles. Allow extra delivery time. 🚚

**Medium Show Box.** Includes 1 sliding tote tray. 21" x 24" x 40".  
**Z20520 — \$399.99**

**Large Show Box.** Includes 2 sliding tote trays, 3 hinges for lid, 4 handles, show stick holder, comb holder, document storage pocket, and built-in shelf. 21" x 24" x 58".  
**Z20521 — \$529.99**



**SULLIVAN HANGING SHOWCASE BOX™**

Chain and hook assembly allows you to hang this show box almost anywhere. Features 20-gauge galvanized steel with reinforced sides, pig whip holders, tray for small equipment, and a large cushioned handle on each end. 16¼" x 8½" x 50". Allow extra delivery time. 🚚  
**C24446 — \$399.99**



**5' Show Box**

**Z48508** Single-door, galvanized. 24"W x 58½"H x 24"D. — **\$1,099.99**

**Z49082** Two-door, aluminum. 24"W x 60"H x 26½"D. — **\$1,599.99**



**SULLIVAN SHOW PIG HEAD TRAINER**

Train your hogs to drive with ease. Used for head training and training reinforcement, teaching the pig to drive with their head up. Extremely lightweight aluminum. 36"L. Use two head trainers for initial training and graduate to one.

Black **C35043** Blue **C35044** Red **C35045**  
Each — **\$35.99**

**FIBERGLASS SORTING POLE**

An extra-long, 60" sorting pole to control animals. Golf club-style grip with a rubber tip on the end. Color may vary. NOTE: Cannot be burned. Allow extra delivery time. 🚚  
**C14431 — \$13.09**

**U.S. WHIP**

Unique, soft nylon material makes it ideal for driving hogs in the show ring. Includes a 6" lash braided into the body of the whip and a soft molded handle with a chrome ferrule and end cap.

Color	Product No.	Shaft	Length (w/o Popper)	Price
Black	<b>C31651</b>	Nylon	36"	<b>\$13.09</b>
Blue	<b>C31652</b>	Nylon	36"	<b>\$13.09</b>
Neon Orange	<b>C31653</b>	Nylon	36"	<b>\$13.09</b>
Neon Pink	<b>C31654</b>	Nylon	36"	<b>\$13.09</b>
Purple	<b>C25087</b>	Fiberglass	39"	<b>\$13.59</b>
Green	<b>C25088</b>	Fiberglass	39"	<b>\$13.59</b>

**HOT-SHOT® ADJUSTABLE SHOW STICKS**

Lock at 38", 44", and 50" (collapse to 29" for storage). 10"L golf-club-style grips. Cast aluminum end hooks. Aluminum shaft.  
**C05724** Silver **C05725** Black  
Each — **\$49.49**

**SULLIVAN TOTAL GRIP SHOW STICK**

All-black show stick includes top-to-bottom coverage using a texturized grip (easier for choking up) with a black tip. Great for kids. 60"L. Allow extra delivery time. 🚚  
**C34040 — \$49.99**

**SULLIVAN CARBON FIBER SHOW STICK**

Made from high-end carbon fiber which is five times stronger than steel and is 25% lighter than aluminum. Has flex characteristics that can bow and will not kink or dent. High-gloss, checkered, translucent pattern appearance.  
**C34041** 54"L — **\$64.99** **C34042** 60"L — **\$68.99** 🚚



**WATERPROOF BIBBED OVERALLS**

Lightweight, waterproof design keeps you comfortable and dry. Veterinarians and farmers use them for milking, power washing equipment, delivering calves, vaccinating, and more. Wear over your pants. Features a secure inner pocket with zipper for cell phones and chest pockets for medicine and syringes. Machine wash and dry. Inseam length is approximately 30", but tends to fit 32"-34" length due to the lower crotch. Waterproof nylon. Fabric imported.

Size	Description	Black	Blue	Pink	Green	Price
Adult X-Small/Youth	Men's waist 26"-28"; Women's sizes 6-8; Youth size 14-16	C33328	C27179(A)	C32606	C33771	\$79.99
Adult Small/Youth	Men's waist 28"-30"; Women's sizes 8-10; Youth size 18-20	C33329	C27179(B)	C32607	C33772	\$79.99
Adult Medium	Men's waist 32"-34"; Women's sizes 12-14	C30508	C30509	C32608	C33773	\$79.99
Adult Large	Men's waist 36"-38"; Women's sizes 14-16	C30506	C30507	C32609	C33774	\$79.99
Adult X-Large	Men's waist 40"-42"; Women's sizes 18-20	C30504	C30505	C32610	C33775	\$79.99
Adult XX-Large	Men's waist 44"; Women's size 22	C30510	C30511	C32611	C33776	\$94.99

A



**A EXTRA-LONG PLAIN WATERPROOF APRON**

Durable nylon apron is lightweight, comfortable, and waterproof. Machine wash and dry. Adjustable neck strap and adjustable buckles at the waist. 51"L x 35"W. C27169 — \$34.49

B



**B SEAL-FLEX WET WEATHER BIB OVERTROUSERS**

Breathable overalls flex and move with you to make wet weather bearable, while providing warmth and dryness. Fully adjustable elastic braces, bib front for extra protection, double-crutch seam, and inside front pocket. 100% waterproof. Tear resistant. Green. Fabric imported.

- (A) Medium (28" inseam; 36" waist)
- (B) Large (30" inseam; 38" waist)
- (C) X-Large (31" inseam; 45" waist)

Indicate size by letter code: C23530(A)  
C23530 — \$84.99



**RUBBERIZED CLOTH APRONS**

Protects from everything from natural materials to chemicals. Impermeable. Flexible. Acid resistant.

- C33044 36" x 27" — \$8.79
- C33045 42" x 27" — \$10.95
- C33046 42" x 36" — \$12.49
- C33047 46" x 36" — \$14.49

Find more aprons and disposable coveralls on page 182.

**C NASCO EXHIBITOR HARNESSES**

Adjustable 1" nylon webbing harnesses with sculptured elastic, sturdy naugahyde, clear plastic, and nickel-plated hardware.

**Small.** Suitable for child or small adult. Black. 10" x 7". C14549 — \$15.69

**Medium.** Suitable for the junior showman to adult. Black. C08041 — \$16.79

**Large.** Suitable for large adults. Adjustable on sides and shoulders. 10" x 8". Black. C14548 — \$18.49

C



**D WRANGLER® COWGIRL CUT® WOMEN'S WHITE JEANS**

Slimming, stylish cut and features a no-gap waistband and flat seam to make riding even more comfortable. Mid-rise style with spandex for added stretch and comfort. 12-oz. weight denim is 100% cotton. Cannot be sold outside of the U.S.A.

- C33242 Size 1, 34"L
- C33243 Size 3, 34"L
- C33244 Size 5, 32"L
- C33245 Size 5, 36"L
- C33246 Size 7, 32"L
- C33247 Size 7, 36"L
- C33248 Size 9, 32"L
- C33249 Size 9, 36"L
- C33250 Size 11, 32"L
- C33251 Size 11, 36"L
- C33252 Size 13, 34"L
- C33253 Size 15, 34"L
- C33254 Size 17, 34"L
- C33255 Size 19, 34"L

Each — \$51.99

D



**WRANGLER® COWBOY CUT® ORIGINAL FIT MEN'S WHITE JEANS**

The original fit and the official ProRodeo Competition Jean. Tough, heavyweight, broken twill denim with 5-pocket styling, made from 100% cotton. Perfect white for the show ring. Leg opening fits over boot. Cannot be sold outside of the U.S.A.

- C31002 28"W x 30"L
- C31003 28"W x 32"L
- C31004 28"W x 34"
- C31005 30"W x 30"L
- C31006 30"W x 32"L
- C31007 30"W x 34"L
- C31008 32"W x 30"L
- C31009 32"W x 32"L
- C31010 32"W x 34"L
- C31011 34"W x 32"L
- C31012 34"W x 34"L
- C31013 34"W x 36"L
- C33232 36"W x 32"L
- C33233 36"W x 34"L

Each — \$48.99

- C33234 36"W x 36"L
- C33235 38"W x 32"L
- C33236 38"W x 34"L
- C33237 38"W x 36"L
- C33238 40"W x 32"L
- C33239 40"W x 34"L

**WRANGLER® COWBOY CUT® YOUTH-SIZE JEANS**

Original cowboy cut, official ProRodeo Competition Jean with an adjust-to-fit waistband. 5-pocket styling. 100% cotton heavyweight, broken twill denim. Pre-washed white. Regular size. Fit young boys or girls. Cannot be sold outside of the U.S.A.

- C33256 Size 8
- C33257 Size 9
- C33258 Size 10
- C33259 Size 11
- C33260 Size 12
- C33261 Size 14
- C33263 Size 16

Each — \$27.99

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FIND OUR  
BOOT COVERS  
ON PAGE 108.



**andis**

In 1928, the Andis® company developed the compact Single Unit Electric Animal Clipper, leaving the standard belt-driven and much larger animal clippers in the dust. This Wisconsin company has never looked back.



Product No.	Name	Description	Cordless	Color	SPM (Strokes per Minute)	Includes	Price
<b>A</b> C35058	Pulse ZR® II	<b>5-speed.</b> Runs for 3 hours on one charge. Use any UltraEdge®, CeramicEdge® or Show Edge blades. Lithium-ion battery.	Yes	Black	2,500-4,500	#10 CeramicEdge® blade, charger stand, blade oil and hard-side case	<b>\$499.99</b>
<b>B</b> C36387	Pulse ZR® II	Same description as above.	Yes	Teal/Purple	2,500-4,500	#10 CeramicEdge® blade, charger stand, blade oil and hard-side case	<b>\$499.99</b>
<b>C</b> C23209	UltraEdge™ AGC Super	<b>2-speed.</b> Runs so cool that fans and air vents that can become clogged with hair are not needed. Quiet operation. Shatterproof housing. Locking switch button.	No	Burgundy	3,400-4,400	#10 UltraEdge® Blade	<b>\$239.99</b>
C32594	UltraEdge™ AGC Super	Same description as above.	No	Spring Green	3,400-4,400	#10 UltraEdge® Blade	<b>\$249.99</b>
C25725	UltraEdge™ AGC Super	Same description as above.	No	Metallic Blue	3,400-4,400	#10 UltraEdge® Blade	<b>\$239.99</b>
C19686	UltraEdge™ AGC Super Horse	<b>2-speed.</b> Features 14' heavy-duty cord. Works with all Andis® UltraEdge® and CeramicEdge® blades and A5-type detachable blades (sold separately).	No	Maroon	3,400-4,400	T-84 UltraEdge® Blade, DVD, blade oil, and carry case	<b>\$259.99</b>
C35070	Replacement Battery	For C35058 above.				Replacement battery only	<b>\$134.99</b>
<b>D</b> C34656	Excel Variable Detachable-Blade	Same description as above.	No	Burgundy	2,500-4,500	#10 CeramicEdge® Blade	<b>\$299.99</b>
C34654	Excel Variable Detachable-Blade	Same description as above.	No	Indigo	2,500-4,500	Super Blocking Blade	<b>\$299.99</b>
<b>E</b> C35463	Pulse Li 5	<b>Single-speed.</b> Lithium-ion power paired with powerful rotary motor cuts through single-coated breeds. 2 hours of run time. Blade adjusts from sizes 40 to 9 and easily snaps-off for cleaning or replacement. Wahl's 5-in-1 blades will fit this clipper.	Both	Turquoise	5,500	Charging adapter, 6 attachment combs (1/8", 1/4", 3/8", 1/2", 3/4", 1"), blade guard, blade oil, and stand	<b>\$199.99</b>
<b>F</b> C34495	EasyClip® Li	<b>Single-speed.</b> 2 hours+ run time and charges in 90 minutes. Lithium-ion power with rotary motor cuts through single-coated breeds. Blade adjusts from sizes 30 to 9.	Both	Silver	5,500	Clipper, charging adapter, 6 attachment combs (1/8", 1/4", 3/8", 1/2", 3/4", 1"), blade guard, blade oil, and a storage case	<b>\$115.99</b>



**ANDIS® CERAMICEDGE® BLADES**

Zirconium oxide ceramic offers superior durability and break resistance. Patented blades stay up to 75% cooler than steel cutters.

Product No.	Size/Type	Description	Cutting Height	Price
C26252	#10	General clipping on underbody, face, and head.	1/16"	<b>\$36.69</b>
C26254	#30	Very close clipping on udder and tail head.	1/50"	<b>\$36.69</b>
C26382	#40	Clipping on udder, surgical clipping, shaving, and toplines.	1/100"	<b>\$36.69</b>
C33148	#40	<b>Stainless Steel.</b> Clipping on udder, surgical clipping, shaving, and toplines.	1/100"	<b>\$41.99</b>
C29817	#5/FC Trimmer	For general clipping. Full-tooth design, smooth finish.	1/4"	<b>\$43.99</b>
C30766	AG/BG Medium Cutter	For cattle and horses.	3/4"	<b>\$16.59</b>

**ANDIS® ULTRAEDGE® BLADES DETACHABLE BLADES (A5 TYPE)**

Exclusive process adds carbon to cutting edge to keep blades sharper longer. Special chrome finish resists rust and keeps blades at optimum performance.

Product No.	Size/Type	Description	Cutting Height	Price
C13814	#10	General clipping on underbody, face, and head.	1/16"	<b>\$34.99</b>
C13815	#15	Semi-close clipping on cattle, horses, dogs, and cats.	3/64"	<b>\$34.99</b>
C13816	#30	Clipping on udder, surgical clipping, shaving, and toplines.	1/50"	<b>\$34.39</b>
C13817	#40	Clipping on udder, surgical clipping, shaving, and toplines.	1/100"	<b>\$34.39</b>
C25091	#50	Cuts very close for surgical/veterinary use.	1/25"	<b>\$31.99</b>
C25981	Super Blocking	For beef cattle legs and body.	1/100"	<b>\$54.99</b>
C29301	Size T-10	For body clipping.	1/16"	<b>\$46.99</b>
C30404	Medium Blending	For easy blending and fading. Smooth finish.	3/32"	<b>\$58.99</b>
C14196	T-84 (X-Wide)	For body clipping.	3/16"	<b>\$39.99</b>



**ANDIS® LARGE UNIVERSAL COMB SETS**

Ideal for safe, accurate clipper cutting. Multiple sizes offer you plenty of choices while grooming. Attachments snap on and off easily. For use with Andis® detachable A5 clippers and most other brands. Work best with blade sizes 40, 35, 30, and 10.

**8-Piece Set.** Includes 5/8", 1/16", 3/4", 13/16", 7/8", 15/16", 1", and 1 1/4".

**C27233 – \$23.99**

**9-Piece Set.** Includes 1/16", 1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", and 9/16".

**C29814 – \$23.99**



**ANDIS® ULTRAEDGE® THICK-TYPE DETACHABLE BLADES (A5 TYPE)**

Product No.	Size/Type	Description	Cutting Height	Price
C33863	3/4" HT	Eliminates use of comb attachments.	3/4"	<b>\$66.99</b>
C25090	5/8" HT	Eliminates use of comb attachments.	5/8"	<b>\$64.99</b>
C31001	3 3/4 FC	For cattle, horses, and hogs.	1/2"	<b>\$54.99</b>
C29381	#4	For general clipping of cattle, horses, and hogs.	3/8"	<b>\$44.99</b>
C23461	#4F/FC	For clipping hogs for show, cattle, horses, and dogs.	3/8"	<b>\$42.29</b>
C25095	#5F/FC	For general clipping. Full-tooth design, smooth finish.	1/4"	<b>\$42.29</b>
C25093	#7F/FC	For general clipping. Full-tooth design, smooth finish.	1/8"	<b>\$36.99</b>



# WAHL®

Like other clipper brands, Wahl® livestock models were created as an extension of the company's barber tool lineup. Leo J. Wahl of Sterling, Ill., applied for patents on his newly developed electromagnetic hair clipper in 1919.



Product No.	Name	Description	Cordless	Color	SPM (Strokes per Minute)	Includes	Price
<b>A</b> C23084	Arco® Equine	<b>Single-Speed.</b> The Arco® is powerful enough to shave through bridle paths and fetlocks, while is still quiet enough to keep noise-sensitive animals comfortable and calm. Comes with 2 removable batteries that each have a run time of 80 minutes. With a 75-minute full charge time, keep one battery on the charger and the other in the clipper to ensure continuous all-day clipping. Lightweight to prevent wrist and shoulder fatigue.	Yes	Champagne	5,500	5-in-1 fine blade, blade guard, NiMH rechargeable battery packs, charging base, 4 attachment guide combs, cleaning brush, and blade oil.	<b>\$189.99</b>
<b>B</b> C28664	Replacement NiMH Rechargeable Battery	For Arco® Equine Clippers above.					<b>\$51.99</b>
<b>C</b> C32620	Chromado Lithium Ion	<b>Single-Speed.</b> Running time of 90 minutes with only a 60-minute full-charge time. Constant speed control automatically delivers more power when clipping through mat and thick coats. Uses 5-in-1 blades.	Yes	Black	5,500	6 attachment guide combs, charging stand, cleaning brush, blade oil, and soft storage case.	<b>\$249.99</b>
<b>D</b> C32617	Bravura® SE	<b>Single-Speed.</b> Powerful rotary motor with constant speed control and cord/cordless capability. Blade and clipper run cool. Lithium-ion battery provides up to 90 minutes of cordless operation. Uses 5-in-1 blade	Yes	Champagne	5,500	Detachable 5-in-1 blade, charging stand, 6 attachment combs, blade oil, cleaning brush, and soft carry case.	<b>\$249.99</b>

# WAHL®



### WAHL® DETACHABLE BLADES (A5 TYPE)

Product No.	Size/Type	Description	Cutting Height	Price
C30017	#10	General clipping on underbody, face, and head.	1/16"	<b>\$35.94</b>
C30241	#15	Semi-close clipping on cattle, horses, dogs, and cats.	3/64"	<b>\$35.94</b>
C30018	#30	Very close clipping on udder and tail head.	1/50"	<b>\$35.94</b>
C30240	#40	Clipping on udder, surgical clipping, shaving, and toplines.	1/100"	<b>\$35.94</b>
C30672	#50	Cuts very close for surgical/veterinary use.	1/25"	<b>\$35.94</b>



### WAHL® STAINLESS STEEL COMBS

Universal, self-adjusting snap-on combs feature a four-sided security fit. Stainless steel combs glide quickly with smooth tips for snag-free grooming. Color-coded combs for easy reference. For best performance, use with a WAHL® #30 Ultimate or Competition Series blade. Can also be used with other similar A5-type detachable blades or with any brands' #10, #15, or #30 standard detachable blade. Set of 8 combs in a storage stand with lid. **C32491 – \$55.99**



### WAHL® COMPETITION (A5 TYPE)

Product No.	Size/Type	Description	Cutting Height	Price
C27923	Size 10 W (X-Wide)	Cuts to medium length. Good for general trimming.	1/16"	<b>\$32.99</b>
C34941	Ultimate X-Block™	Topline cattle blocking blade cuts through glue with no drag.	—	<b>\$64.99</b>
C34951	Ultimate X-Blend	Topline cattle blending blade cuts through glue with no drag.	—	<b>\$64.99</b>



### WAHL® REPLACEMENT BLADES

These blades can be used with WAHL® Arco, Bravura, Chromado, and Figura clippers.

Product No.	Description	Price
C23085	5-in-1 fine blade with 24 teeth (adjusts to sizes #9, 10, 15, 30, and 40).	<b>\$38.99</b>
C23086	5-in-1 coarse blade with 19 teeth (adjusts to sizes #9, 10, 15, 30, and 40).	<b>\$38.99</b>
C30896	Surgical-cut blade cuts through even the toughest coats with ease (#45, nonadjustable).	<b>\$38.99</b>
C31661	5-in-1 Pro blade with improved tooth geometry for better cutting and feeding performance, strong adjustable tab for less breakage, and a dirt shield (adjusts to sizes #9, 10, 15, 30, and 40).	<b>\$42.99</b>
C32621	5-in-1 Diamond blade with carbon coating to allow higher clipper performance and 40 times more blade durability with the strength of diamonds (adjusts to sizes #9, 10, 15, 30, and 40).	<b>\$69.99</b>

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**AESCULAP® ECONOM CL BATTERY-OPERATED CLIPPER FOR CATTLE**

High-powered motor with high air intake for reduced heat buildup. Slimline, balanced design. Available with 2,750 spm or 3,000 spm. Max. voltage: 21.6V. Noise level: <70 dB(A). Battery run time: approximately 70 minutes (with 1 lithium ion battery). Abrasion-resistant carbon steel cutter plates withstand repeated sharpening. No tools to change filter. Includes clipper, charging station, upper plate, lower plate, oil, screwdriver, user manual, and plastic case. 2-year warranty (does not cover batteries).

- C33146** 2,750 spm. 2 lithium ion batteries included — **\$889.99**
- C34708** 3,000 spm. 1 lithium ion battery included — **\$969.99**
- Replacement Lithium Ion Battery.** For use with clippers above. **C33147** — **\$244.99**



**AESCULAP® BONUM PROFESSIONAL CORDLESS CLIPPER FOR CATTLE**

Sleek, ergonomic design with 1 1/16" dia. grip great for smaller hands. Weighs just under 2 lbs. including battery and shaving blade. Low volume. Electronic push button is recessed in the housing. Powerful and long-lasting lithium-ion battery protects clippers from overheating and switches it off when the battery temperature reaches greater than 120° F. Includes charging station, 2 lithium-ion batteries, replacement 31/15 blade, oil, hard shell case, and instructions. 10.8V. 3 1/8" L x 1 1/8" W x 2 1/16" H.

**C36331** — **\$629.99**

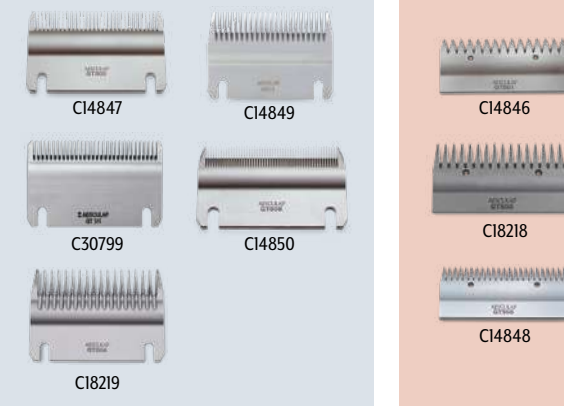


**AESCULAP® ECONOM II LARGE ANIMAL CLIPPER**

Single speed, 3,200 spm. Comes with 31-tooth bottom and 15-tooth top blade and blade set. 12 1/4" without cord. Longer motor allows entry into housing for maintenance. Includes case. Available in 240V through special order. 1-year warranty.

**C27975** — **\$539.99**

**AESCULAP® CLIPPER BLADES**



**BOTTOM BLADE**    **TOP BLADE**    **BLADE SET**

**AESCULAP® CLIPPER BLADES**

Blades fit Aesculap® and Oster® ClipMaster® clippers.

Product No.	Description	Price
<b>C14847</b>	31-tooth standard bottom (GT502), leaves hair 3/32"	<b>\$33.99</b>
<b>C30799</b>	31-tooth bottom (GT511), for close clipping, leaves hair 1/32" (1 mm)	<b>\$42.99</b>
<b>C18219</b>	18-tooth bottom (GT504), wide teeth, leaves hair 1/8" (3 mm), ideal for dirty cattle	<b>\$42.99</b>
<b>C14849</b>	Plucking blade (GT510)	<b>\$58.99</b>
<b>C14850</b>	Surgical blade (GT508)	<b>\$52.99</b>
<b>C14846</b>	15-tooth standard top (GT501)	<b>\$29.99</b>
<b>C18218</b>	17-tooth top (GT503), wide teeth	<b>\$28.99</b>
<b>C14848</b>	23-tooth top (GT505)	<b>\$29.99</b>
<b>C09882</b>	31-tooth bottom/15-tooth top (see C14847 & C14846, above)	<b>\$58.99</b>
<b>C14858</b>	Bottom surgical blade/23-tooth top (see C14850 & C14848, above)	<b>\$83.99</b>



**LISTER® STAR CLIPPER**

Maintains constant speed, even in areas where the coat is thick or dirty. Slim, balanced grip for comfort. Lightweight. 2,800 spm. Patented ventilated head prevents blades and head from getting hot and also helps keep hair away. Overload switch protects the motor from damage in the event of a jam. Removable, replaceable air filters. Includes fine blade and case. Compatible with blade sets listed below. 110V. 1-year warranty.

- Green**    **C26770**
  - Purple**    **C31659**
  - Turquoise**    **C31665**
- Each** — **\$349.99**



**PREMIER 4000C**

For slick-shearing club lambs and "plowing" off cattle hair. Motor produces less heat and is smaller in size, lighter in weight, and shorter in length than any other clipper. Fan forces air forward through the heads, enabling heads to run 20° F cooler. Rarely slows down under load. Will drive shear head. Quieter sound is less likely to upset animals. 2,850 strokes at 120V. Includes fine blade and case. 3-year warranty.

**C24731** — **\$394.99**



**LISTER® FUSION® CLIPPER**

Clips on the first pass and doesn't bog down. Rotary motor with 2 speeds (2,500 and 2,900 spm). Lightweight (2 lbs.). Ensures cool running during heavy duty applications. Simple blade and tensioning changes make maintaining the blade easy. Easy to clean and oil. Automatic overload protection. Reset function. 16' cord. Includes Lister® fine 35 tooth clipper blade, cleaning brush, R15 oil, screwdriver, and instruction book. 2"D x 2 5/8"W x 12 3/16"H.

**C36322** — **\$399.99**

**LISTER CLIPPER BLADE SETS (BLADES FIT LISTER LEGEND, LIBERTY, LASER, AND STAR CLIPPERS)**

	Product No.	Description	Price
<b>A</b>	<b>C16654</b>	<b>Surgical Blade Set A25</b> — 35-tooth bottom/17-tooth top, surgical A25/AC blade set (leaves hair approx. 1/32" or 1 mm)	<b>\$69.99</b>
<b>B</b>	<b>C15471</b>	<b>Fine Blade Set A2F</b> — 35-tooth bottom/17-tooth top (leaves hair approx. 1/16" or 1.4 mm)	<b>\$62.99</b>
<b>C</b>	<b>C15472</b>	<b>Medium Blade Set A2</b> — 35-tooth bottom/17-tooth top (leaves hair approx. 3/32" or 2.5 mm)	<b>\$62.99</b>
<b>D</b>	<b>C34905</b>	<b>Coarse Blade CA2/AC</b> — 18-tooth coarse blade ideal for clipping very thick, dense areas of horse hair, as well as llamas and alpacas; strong teeth suitable for cleaning up dirty animals (leaves hair 0.1" or 2.5 mm)	<b>\$79.99</b>
<b>E</b>	<b>C16642</b>	<b>"Cover Cote" Plucking Blade Set</b> — (leaves a smooth finish of 3/16" or 5 mm of hair)	<b>\$84.99</b>
<b>F</b>	<b>C29172</b>	<b>Hog Blade Set 13 mm</b> — leaves hair approximately 1/2" or 13 mm	<b>\$77.99</b>
<b>G</b>	<b>C34481</b>	<b>Lifter Blade 19 mm</b> — Allows you to tidy animal up while leaving a longer coat; guard on comb lets you leave hair 3/4" (19 mm) longer than a standard blade	<b>\$78.99</b>
<b>H</b>	<b>C16640</b>	<b>Wizard 13T SS Blade Set</b> — Blade (13-tooth comb) set (short, sharp blade has lower teeth that are no longer than the upper teeth; tips are prickly; designed to eliminate the need for shearing heads when blocking cattle; leaves hair approximately 3/32" or 4 mm)	<b>\$89.99</b>
<b>I</b>	<b>C16641</b>	<b>Wizard 13T LR Blade Set</b> — Sheep blade (13-tooth comb) set (for slick shearing, blocking and shearing sheep, and for clipping on the skin; leaves hair approximately 1/4" or 3.5 mm)	<b>\$89.99</b>

**PREMIER XTRACOVER CLIPPING BLADE SET**  
For clipping show pigs and goats and also for creating a smooth, high-fiber finish on cattle and sheep for production sales. Includes a 24-tooth lower blade, 22-tooth upper blade, and a metal storage box. Cutting depth of 1/4".  
**C30881** — **\$67.99**

**PREMIER CLIPPER BLADES**  
Blades fit Premier 1000c, 3000c, and 4000c clippers.  
**C24733** Coarse    **C24734** Medium  
**C24735** Fine    **C24736** Surgical  
**Each** — **\$49.99**



John Oster not only developed and patented the first detachable, interchangeable clipper blades, he also bred one of the foremost herds of Brown Swiss cattle in the country. Bet his bovine beauties were extra pretty.



Product No.	Name	Description	Cordless	Color	SPM (Strokes per Minute)	Includes	Price
<b>A</b> C31331	Volt	<b>Single-Speed.</b> Detachable Li+ion battery runs up to 90 minutes on a charge, while recharging in 60 minutes. Consistent power versus Nicad batteries. Lightweight, ergonomic design. 8"L x 1¼"W x 1½"D. Clear coat protects from dirt, smudges, and fingerprints. Uses A5-type detachable blades. UL listed/CSA approved.	Yes	White	2,400	#10 blade, cleaning brush, and oil	\$489.99
<b>B</b> C24828	Golden A5®	<b>Single-Speed.</b> Wider sweep for faster cutting. Powerful, cool running Universal Motor. Cryotech™ blades stay sharper longer. Virtually unbreakable housing. Uses A5-type detachable blades.	No	Electro Silver	2,100	#10 blade	\$189.99
C24829	Golden A5®	<b>2-Speed.</b> Same description as above.	No	Graphite Gray	2,700	#10 blade	\$199.99
C24830	Turbo A5®	<b>Single-Speed.</b> Same description as above.	No	Midnight Blue	3,100	#10 blade	\$209.99
<b>C</b> C24831	Turbo A5®	<b>2-Speed.</b> Same description as above.	No	Ice Blue	4,000	#10 blade	\$209.99



**OSTER® CRYOGEN-X™ (A5 TYPE) BLADES**

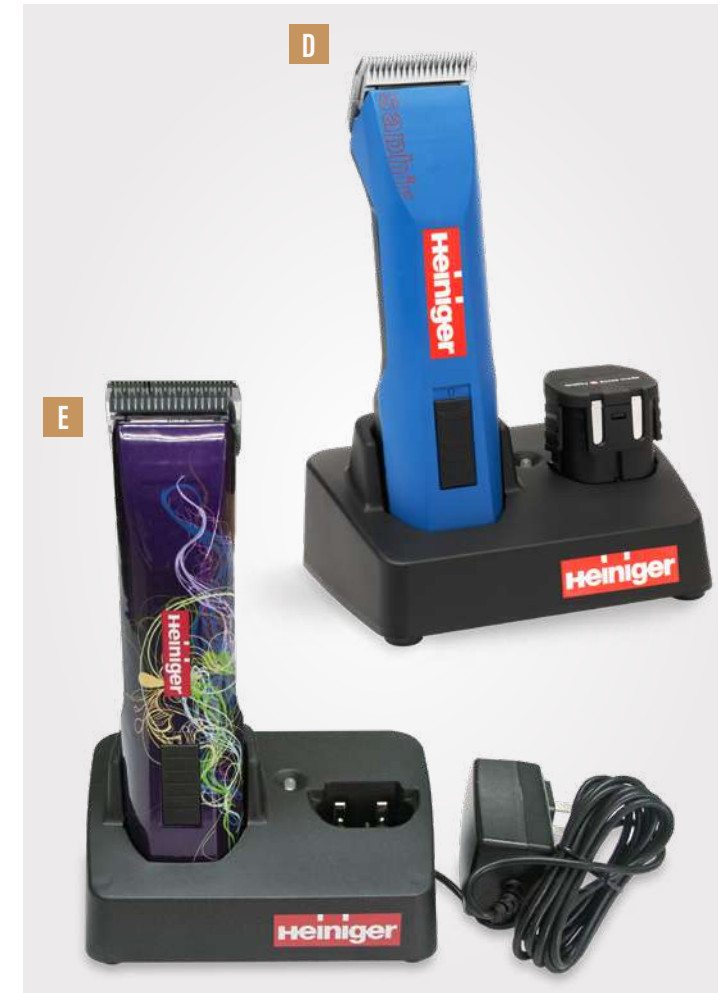
Innovative heat-reducing technology and legendary cutting performance provide the coolest and sharpest blade possible.

**OSTER® CRYOGEN-X™ DETACHABLE BLADES**

Product No.	Size	Description	Cutting Height	Price
C27070	#10	General clipping on underbody, face, and head.	¼"	\$37.49
C27071	#15	Semi-close clipping on cattle, horses, dogs, and cats.	⅜"	\$37.49
C27072	#30	Very close clipping on udder and tail head.	⅙"	\$37.49
C27073	#40	Clipping on udder, surgical clipping, shaving, and toplines.	⅛"	\$37.49
C27105	#50	Cuts very close for surgical/veterinary use.	⅜"	\$37.49

**OSTER® CRYOGEN-X™ THICK TYPE DETACHABLE BLADES**

Product No.	Size	Description	Cutting Height	Price
C07063	#5	For general clipping.	¼"	\$44.99
C14877	#5F/FC	For general clipping. Full-tooth design, smooth finish.	¼"	\$44.99
C14879	#7	For general clipping.	⅜"	\$41.49



Product No.	Name	Description	Cordless	Color	SPM (Strokes per Minute)	Includes	Price
<b>D</b> C34584	Heiniger SAPHIR Professional Trimming Clipper	<b>Single-Speed.</b> 35-watt permanent magnet motor. 2 lithium ionic batteries for continuous shearing (1 battery lasts up to 90 minutes; recharging time is only 60 minutes). Detachable blade system compatible with A5 blades.	Yes	Blue	2,650	Charger unit with separate charging bay for second battery pack and and case	\$529.99
<b>E</b> C34587	Heiniger SAPHIR-Style Professional Trimming Clipper	<b>Single-Speed.</b> Quiet and powerful. 35-watt permanent magnet motor. Compatible with A5-type blades. Includes one high-performance battery with lithium ionic technology (lasts up to 90 minutes; recharging time is only 60 minutes).	Yes	Purple	2,650	Solid, durable charger with separate charging bay	\$424.99
<b>F</b> C31716	Aesculap® FAV 5® CL Clipper	<b>Single-Speed.</b> For professional small animal groomers. Lithium ion battery (i.e., no more "memory effect"). Run time: 60 minutes. Charging time: 50 minutes. Uses A5-type detachable blades.	Yes	Red	2,300	#10 blade, charger, 2 lithium ion batteries, oil, operating manual, and case	\$569.99
<b>G</b> C30748	Aesculap® FAV 5® German Red Clipper	<b>Single-Speed.</b> 35-watt, single-speed clipper with a strong, ball-bearing, high-torque motor. Features unbreakable, ergonomic casing, high-quality carbon steel parts, long-lasting metal blade tongue, ventilation system, and a removable air filter for easy cleaning. Uses A5-type detachable blades. 1-year warranty. 10-year warranty on motor. Available in 240V through special order.	No	Red	2,300	13' cord and a #10 blade	\$449.99
<b>H</b> C16634	Andis® Pet Clipper Kit	<b>Single-Speed.</b> Power to fully groom a washed and brushed dog, with 4 times the power of a comparable magnetic motor clipper. High-powered, pivot-motor clipper goes from "fine" to "coarse" cutting lengths. Adjustable carbon steel blades are precision-made for long cutting life. 120V, 60Hz. UL listed.	No	Black	—	DVD, 6 attachment guards, blade brush, guard, oil, and case	\$64.99

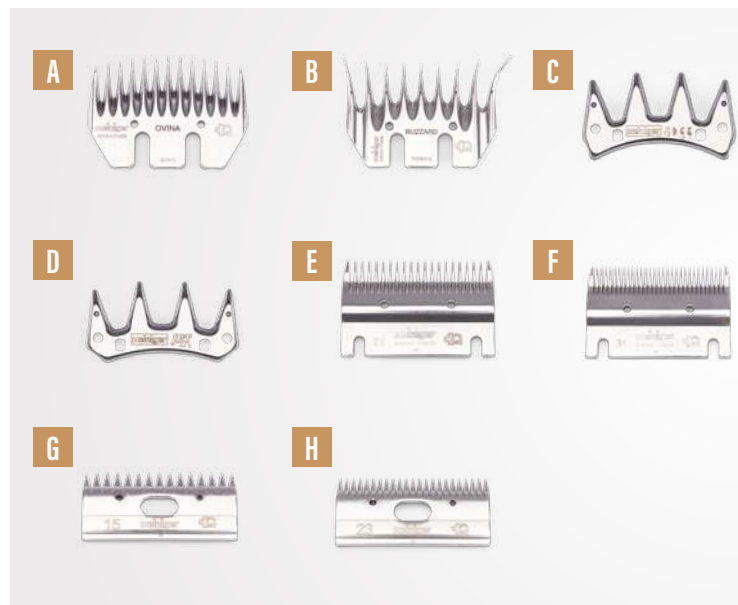


**HEINIGER XPERIENCE CORDED CLIPPER**

The innovative, stable connection between the clipping head and housing reduces vibration, making clipping more comfortable for the user and animal. Powerful yet quiet running 200 watt motor. Comfortable, ergonomic design. Includes a 31/23 blade set, clipper oil, brush, and a durable carrying case. **C36350 – \$469.99**

**HEINIGER XPLOER CORDLESS CLIPPER**

Innovative Li-ion battery technology delivers up to 2 hours of cordless clipping time. Unique double tooth gear means the power is transmitted optimally from the motor to the clipping head. LED display on charger indicates charge level of battery. Includes standard blade set, 2 batteries, charger, screwdriver, clipper oil, brush, and carrying case. Battery charging time: 60-70 minutes. **C36351 – \$659.99**



**HEINIGER REPLACEMENT BLADES**

For use with clippers above and Heiniger Xpert Sheep Clipper (C36403, see p. 62).

Product No.	Description	Price
<b>A</b> C36404	13-Tooth Ovin Sheep Comb	<b>\$42.99</b>
<b>B</b> C36406	Pro Blizzard Sheep Comb	<b>\$69.99</b>
<b>C</b> C36407	Edge 4-Tooth Full-Thickness Cutter	<b>\$12.99</b>
<b>D</b> C36408	4-Tooth Full-Thickness Cutter. Maximum throw for extra wide combs	<b>\$13.49</b>
<b>E</b> C36409	21-Tooth Comb	<b>\$32.99</b>
<b>F</b> C36410	31-Tooth Comb	<b>\$34.99</b>
<b>G</b> C36411	15-Tooth Cutters	<b>\$25.99</b>
<b>H</b> C36412	23-Tooth Cutters	<b>\$27.99</b>



**GROOMER'S CHOICE™ CLIPPER BLADE SHARPENER**

Hand-operated to quickly touch up blades. Sharpening plate surface is machined to 0.0005 of an inch for perfect grinding. Includes sharpening compound, simple instructions, and a soft case. **C27159 – \$49.99**



**SULLIVAN LAZER BLADE SHARPENER™**

Square base constructed of cast aluminum to provide the utmost stability. Equipped with a ¼ horsepower motor that turns the wheel at 1,725 rpm. **C30047 – \$649.99**



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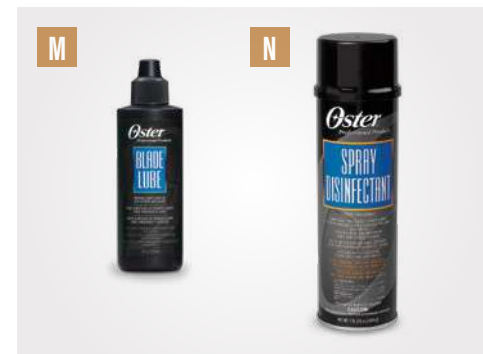


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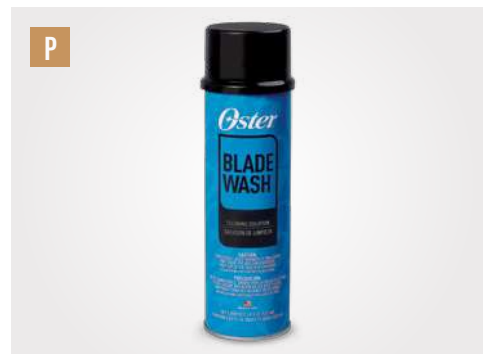


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**I SULLIVAN REPLACEMENT GRIT**

Use fine grit for finishing, and coarse grit for aggressive sharpening. 1-lb. bottle.

**C35358** Fine Grit

**C35359** Coarse Grit

**Each – \$25.99**

**J ANDIS® CLIPPER OIL**

Proper weight and grade of oil keeps clippers in top operating form. Use on blades before, during, and after each use. Colorless and odorless. 4 fl. oz.

**C29323 – \$3.79**

**K ANDIS® COOL CARE PLUS™**

Five-in-one coolant, disinfectant, lubricant, cleaner, and rust preventative. Leaves a light, lubricating film that reduces friction, smooths clipping, and prolongs blade life. 15½-oz. can.

**C24665 – \$15.29**

**L ANDIS® BLADE CARE PLUS™**

Washes away hair, buildup, and preservatives. Vitamin-enriched seven-in-one formula works as a coolant, deodorizer, lubricant, cleaner, rust preventative, and decontaminant. 16-oz. pump bottle.

**C29188 – \$15.49**

**M OSTER® BLADE LUBE**

Premium lubricating oil for clippers and blades. 4 fl. oz.

**C18040 – \$3.49**

**N OSTER® SPRAY DISINFECTANT**

Specially formulated to kill most germs, this disinfectant helps to prevent mold and mildew. Clean fragrance helps eliminate odors. 14-oz. can.

**C15375 – \$9.39**

**O OSTER® KOOL LUBE®**

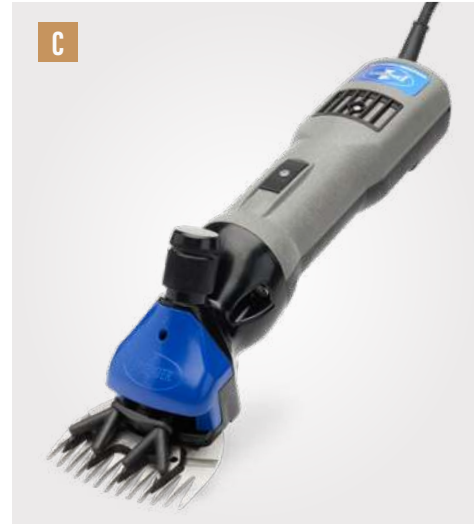
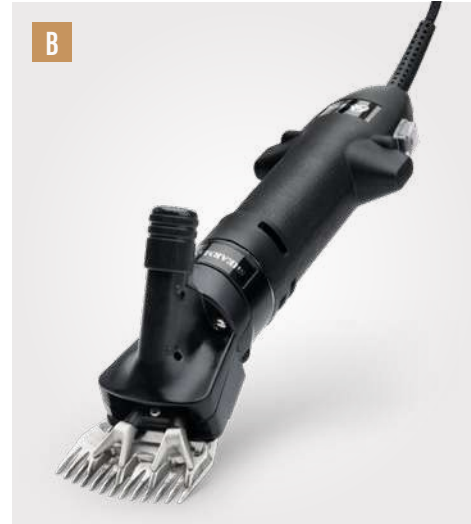
Cool, lubricate, and clean blades. Formulated to reduce heat, friction, and even blade wear without leaving a heavy residue of oil. 14-oz. aerosol can.

**C06826 – \$10.34**

**P OSTER® BLADE WASH**

Excellent cleaner for use at the end of the cutting. Flushes out hair accumulated between upper- and lower-cutting blades. Lengthens blade life. 18-oz. can.

**C10826 – \$9.59**



**A HEINIGER XPERT SHEEP CLIPPER**

High-torque motor combined with a unique connection between shearing head and fiberglass-reinforced housing ensures low-vibration shearing. Ergonomic handle and overall light weight lets you get more done comfortably. Swiss made. Provides 2,500 spm. 200 watts. 301 mm L. **C36403 – \$599.99**

**B OSTER® SHEARMASTER® SINGLE-SPEED CLIPPER/SHEARING MACHINE**

Single-speed shearing machine with a 3" head is lightweight and powerful. 13-tooth comb and 4-point cutter give high-quality shearing. Heavy-duty, 15' insulated cord. Comes with a toolbox with removable tray and storage space. 3,000 spm at 120V. 150 watts. UL approved. **C25775 – \$479.99**

**C PREMIER 4000S SHEEP SHEAR**

For those with experience that wish to plow through wool and hair as fast as possible. No motor-in-the-hand shear matches the 4000s for grip, balance, and nearly unstoppable torque (power). 2,800 spm at 120V. Comes with a 13-tooth comb and a 4-point cutter with case. 3-year warranty. **C31874 – \$439.99**



**OSTER® CLIPMASTER® CLIPPERS**

Soft-touch grip for better control and comfort. Quiet and cool running. Tension knob allows for easier blade adjustment. Stays oiled for up to 100 hours. Set screw cap secures grease hole. Operate on 120V AC, 150 watts. 15' heavy-duty insulated cord. Use on cattle, horses, and goats (except Angora). Deluxe storage case with compartments.

**D Model 510 Single-Speed Clipper.** 3,000 spm. Available in 220V by special order. **C25773 – \$429.99**

**E Model 610 Variable-Speed Clipper.** 700-3,000 spm. **C25774 – \$449.99**

**F CLIPPER GUARD SET (FOR BLOCKING BEEF CATTLE)**

Fits Oster® ClipMaster® Models 510 and 610 (C25773 and C25774, above), as well as Oster® ShearMaster® (C25775, on p. 62). Also fits Aesculap® clippers (C33146 and C27975, on p. 56). Leaves animal's hair all one length. Helps beginners get the feel of using clippers, and eliminates mistakes that cannot be corrected. Great for fast blocking on sale cattle. Set includes ¼", ⅜", and ½" high guards, and 2 adapting screws. **C12130 – \$45.99**



**TAILWELL2® POWER TAIL TRIMMER**

Cordless drill attachment (power drill not included) with circular blades trims a dairy cow's tail quickly and easily. In just a few seconds, with no pre-cutting, the cow's tail is trimmed for a year. As the industry and consumers move away from tail docking, TailWell2® is a much better alternative over scissors and clippers. Lightweight, cordless drill attachment fits to a 14V, 1,200-1,700 rpm cordless drill. Minimal maintenance, only a few drops of oil every 20-25 tails. Hardened steel blades. **C30821 – \$459.99**

**Replacement Blades Only**  
**C30822 – \$249.99**



**TAILWELL® TITANIUM POWER TAIL TRIMMER**

Cordless drill attachment (power drill not included) with circular blades allows for quick and easy tail trimming. Titanium-nitride coating prevents the fast degradation that sand causes on cutters. Cutters will last up to 3,000 sand-embedded tails (or about 6,000 non-seriously contaminated tails). Trimming takes only a few seconds per tail. **C36188 – \$519.99**

**Replacement Blades Only**  
**C36189 – \$299.99**



**PREMIER CUTTER & COMBS**

Product No.	Description	Price
C24742	Spirit 13-tooth short bevel comb for Premier 3000s & 4000s (compatible with Oster® and Andis® sheep shears)	\$38.99
C24744	Phantom R 20-tooth comb (round)	\$38.99
C24741	Spitfire 4-point cutter for Premier 3000s & 4000s (compatible with Oster® and Andis® sheep shears)	\$17.99

**REPLACEMENT PARTS**

**Oster® Standard Single-Speed Motor.** For EW311A, EW311B, and EW311C Shearing Heads; 510A Clipping Head; and Model 510 Clipmaster®. **C04582 – \$259.99**

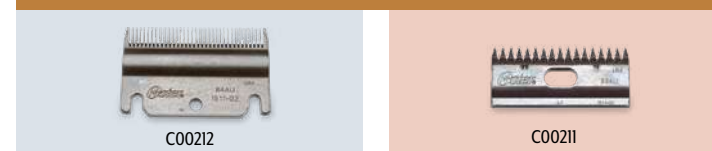
**Oster® Variable-Speed Motor.** For EW610 Clipmaster®. **C07206 – \$259.99**



**OSTER® CUTTERS & COMBS**

Product No.	Description	Price
C02128	P2311 wide diamond cutter (regular style); widely used for shearing 4-point cutter with clean-cut shape, fine angles, and finish (for ShowMaster® or ShearMaster® shearing machines)	\$15.99
C07207	34AB AAA wide cutter; perfect mesh of cutter teeth with comb for faster, cleaner cutting; enters wool easier	\$14.99
C02136	P7112 20-tooth goat comb with closer spacing of teeth to reduce scratches and cuts (recommended in screw worm-infested areas)	\$46.99

**OSTER® CLIPPER BLADES**



Product No.	Description	Price
C00212	ClipMaster® bottom (84AU), leaves hair 1/8"	\$29.99
C00211	ClipMaster® top (83AU)	\$21.79
C14859	Set of ClipMaster® bottom & top (see C00212 & C00211 above)	\$38.69

**BOTTOM BLADE**   **TOP BLADE**   **BLADE SET**

SHOP OUR FULL SELECTION AT [NascoFarmandRanch.com](http://NascoFarmandRanch.com)

# SHEEP + GOAT EQUIPMENT



## NASCO TRADITIONAL BURLAP WOOL BAG

This 4-lb. wool bag is made of 12-oz. burlap. 90" x 40" with hem top. Cut full-size and sewn with 100% cotton thread. Holds approximately 30-35 fleeces. **C07072 — \$14.99**

## LAMB NIPPLE

Fits an ordinary soda bottle. 2½"L. **C00231 — \$2.49**

## REPLACEMENT NIPPLE FOR LAMB SAVER

**C05010 — \$2.39**



## PLASTIC COLLECTION BOTTLE

Ideal for small, weak lambs. Soft, pliable nipple to make suckling easier. Neck I.D. ¼". 8 oz. bottle. **C06249 — \$2.74**



## TOPPER POP BOTTLE NIPPLE

Recycle any plastic screw-top soft drink bottle with a 1.1" dia. neck by adding this cap and nipple to create a lamb nursing bottle. Compression-molded rubber nipple and the ball valve in the cap promotes nursing by letting air in steadily. UV-protected rubber compound. 1-year warranty. **C25271 — \$3.29**



## PRITCHARD FLUTTER VALVE NIPPLE

Best for feeding weak or newborn lambs. Soft red latex teat with plastic base screws onto a 28 mm glass or plastic bottle (pop bottle size). A metal bearing "valve" inside nipple lets airflow in smoothly, but controls milk flow. **C16651 — \$3.19**



## FARM BABIES™ NURSING BOTTLE

For lambs, kid goats, and other farm babies. Plastic bottle with nipple. Quart. **C34906 — \$7.49**



## LAMB NIPPLE SET

Simple, rugged bucket teat unit mounts at the bottom of almost any bucket or plastic container by drilling a 1½" hole. No tubes necessary. Easy to clean. There is no one-way valve inside the nipple, so lambs have nothing to "chew" on. **C13700 — \$5.69**

**Replacement Red Rubber Nipple C13700(B) — \$1.69**



## A CALFETERIA-TYPE FEEDING OUTFIT

Bucket with lamb-level holes, each fitted with a special nipple and a tube that reaches into the milk. Lambs "drink through a straw." Feeds 10 lambs at once — handles 50 to 60 lambs in less than half an hour. Includes ¾-gallon bucket with lid, 10 nipples, 10 tubes, 10 one-way check valves plus a tube-cleaning brush. **C12609 — \$73.99**

**Lamb/Kid Feeding Teats.** Can be used in a Calfeteria-Type Feeder. Teat can be fitted through a ½" (14 mm) hole and will take 7/16" (11 mm) O.D. Calfeteria-type delivery tubing in the back. It can also be stretched over a pop bottle as a bottle feeder, but this configuration requires an air inlet. **C09958 Gray Teat with 1/16" Hole Tip — \$3.19**

**C30740 Black Teat with Cross-Cut Tip — \$2.99**

## B BUCKET HOLDER RING

Elevates feeding buckets to an ideal height. Bolt or weld to a tire rim for a no-tip bucket holder. 11" dia. welded metal ring with 4 legs (each 8"). Ideal for holding Feeding Outfit (C12609, above). **C12610 — \$31.99**

## EXCAL LAMB/KID REGULAR TEAT

Replaces softer lamb/kid teats as the animals get stronger and start chewing the teats. Black teat is made of stronger, harder rubber that is longer lasting. **C30704 — \$4.49**

## LITTLE SOFTY STARTER NIPPLE

Inverted tip design prevents leakage in gravity feeders. Nipple is soft for newborn lambs and kids and is used in Shoof lamb and kid feeders. **C28211 — \$4.79**



# SHEEP + GOAT

LAMB + KID CARE



## MILK BAR™ NURSERS FOR LAMBS/GOATS

Exclusive Milk Bar™ nipple design slows down gulping that prevents choking and also promotes salivation essential for proper digestion and stomach development. Helps prevent cross-sucking that can spread infection. Durable pink poly container hooks onto wire or 1x4 wood rail and the gravity-flow nipples require no valves or tubes.

**Milk Bar™ 1 for Lamb/Goat.** Holds about 3 quarts. **C28830 — \$48.99**

**Milk Bar™ 5-Compartment Lamb/Kid Feeder.** Each compartment holds 10 fl. oz. of milk. Mounting brackets fit any rail width from wire panel up to 2½". **C35690 — \$144.99**

**Milk Bar™ 7 for Lambs/Goats.** Holds about 4 gallons. **C28833 — \$144.99**

**Milk Bar™ 10 for Lambs/Goats with EZ-Lock.** Features patented E-Z lock mounting bracket that will fit any rail width from wire up to 2½", will lock in place, yet is easily removed with a light touch of the catch. Holds about 9 gallons. Allow extra delivery time. **C28832 — \$194.99**

**Milk Bar™ Teat for Lambs/Goats.** Lasts twice as long as other nipples. Black rubber nipple fits all styles of Milk Bar™ Self Feeders. **C28831 — \$6.49**

## SHOOF LAMB/KID MILK TRAIN

Shoof Little Softy no-leak teat ensures proper feeding. 4-qt. capacity with splash space to spare. Individual chambers: 25 oz. (750 ml) each. Four-place feeders join together to make an 8- or 12-place feeder. Stackable with teats on. Replaceable rail hooks secure feeder to most pipe or wood rails up to 1½" (38 mm) thick. Remove rail hooks and attach bracket for wall mounting. 16½"L x 6"W. **C28753 — \$109.99**



## LAMB CREEP FEEDER

Durable feeder that creep feeds lambs efficiently. High-density polyethylene, long lasting, and easy to clean. 72-lb. capacity. 24"L x 8"W x 24"H. Each opening is approximately 11" x 5". Bottom lip is 3½"H. No lid available. Includes mounting brackets. Allow extra delivery time. **C13911 — \$144.99**





**9-QT. HOOKOVER TROUGH**

Ideal in creep pens or when feeding multiple animals together. Design reduces feed waste while promoting animal safety and improved health. Galvanized steel grid forms 6 feeding slots; helps keep animals from pushing others out while eating. Grid also adds strength to the feeder, and its reinforced hooks provide extra support on the ends. Impact-resistant, high-density polyethylene protects against warping, stress cracks, and UV damage. Universal secure mounting on any 2-by-wide board or wire livestock panels makes this a great indoor/outdoor trough. Mounting hardware included. 37 $\frac{3}{4}$ "L x 8 $\frac{7}{16}$ "W x 4 $\frac{1}{16}$ "H. Holds 9 qts. (2 $\frac{1}{4}$  gallons). 1-year warranty. **C32326 – \$31.49**



**A MINI SOLID-BACK WALL FEEDER**

Portable, durable metal. Powder-coat finish. 22 $\frac{1}{2}$ "W x 19 $\frac{1}{2}$ "H with a 9 $\frac{1}{2}$ " x 20" top opening. Includes brackets to hang over a 2x4 fence rail. **C28405 – \$59.99**

**B POLY HAY/GRAIN FEEDERS**

Special clevis brackets secure to most panels. Use for sheep, goats, horses, and calves. Features  $\frac{5}{16}$ " solid bars for the manger. 1-year warranty. Allow extra delivery time. 🚚

**50-lb. Capacity.**  
8"D x 22"W x 24"H.  
**Z18121 – \$209.99**

**100-lb. Capacity.**  
8 $\frac{1}{2}$ "D x 45 $\frac{1}{2}$ "W x 23 $\frac{1}{2}$ "H.  
**Z20573 – \$349.99**

**C MINERAL FEEDER**

Permits free choice in feeding. Features two independent 1 $\frac{3}{4}$ -qt. compartments designed to administer feed, supplements, minerals, and vitamins. Flanges on both top and bottom of feeder allow sturdy installation. 12 $\frac{1}{2}$ "L x 5 $\frac{3}{4}$ "H x 6 $\frac{1}{4}$ "D. **C14994 – \$6.39**

**D 6-SIDED FEEDER WITH POLY TUB**

$\frac{1}{2}$ " solid steel shaft supports, plus the bottom support, result in a tub height of 16" above the ground. Poly tub insert is easy to clean and saves on feed loss. 7" spacing between vertical uprights. Three steel sections pin together. 36"H x 32" dia. Allow extra delivery time. 🚚 **Z15607 – \$379.99**

**E ADJUSTABLE ROLLER CREEP PANEL**

Vertical  $\frac{1}{2}$ " pipe for rollers are adjustable for width. Horizontal roller bar with 3 adjustable heights. Top and bottom pieces are heavy plate with multiple holes for adjustment of width of roller bars. 48"W x 42 $\frac{1}{2}$ "H. Additional drop pins included for pinning to other panels. 1-year warranty. Allow extra delivery time. 🚚 **Z18112 – \$429.99**

**F 5' FOLDING PANEL**

Double panel with one #495 pin. 10'L x 40"H. Bars spaced 4 $\frac{1}{2}$ " apart. 1-year warranty. Allow extra delivery time. 🚚 **Z18110 – \$289.99**

**WEAVER® TRIMMING STANDS & HEAD PIECE KITS**

Easy to transport, fold completely flat. Front legs fold via piano hinges. Wide pad base on each leg provides stability. Adjustable front legs and head piece. Rounded corners. Three cross bars support wire mesh floor.

**Weaver® Trimming Stand with Nose Loop Head Piece.** Light enough to carry. Heavy-duty aluminum cross bars. Assembled: 48 $\frac{1}{2}$ "L x 24 $\frac{1}{2}$ "W x 19"H. Collapsed: 48 $\frac{1}{2}$ "L x 24 $\frac{1}{2}$ "W x 5"H. Head piece: 46"L. Allow extra delivery time. 🚚

**Z49980 – \$489.99**

**Weaver® Steel Trimming Stand.** Powder-coated trimming stand handles larger animals like breeding sheep and goats. Steel cross bars. 50 $\frac{1}{2}$ "L x 24 $\frac{3}{4}$ "W x 19"H. Allow extra delivery time. 🚚

**Z49981 – \$449.99**

**Weaver® Head Piece Conversion Kit for Smaller Animals.** Adjustable for smaller animals with an aluminum head piece that works with Weaver® Trimming Stands. Wire head rest. 40". Adjusts from 18"-40". Allow extra delivery time. 🚚

**Z49982 – \$144.99**

**Gate Attachment Head Piece.** Powder-coated steel.

Easily attaches with bolts to a gate or rail. Allow extra delivery time. 🚚

**Z49974 – \$124.99**



**SHEEP TRIMMING STANDS**

Made of 1" square tubing; platform framed with 1 $\frac{1}{2}$ " angle iron; floor is  $\frac{3}{4}$ ", 9-gauge flat expanded metal; neck reach is 1 $\frac{1}{4}$ " square tubing; and head piece is formed of one-piece steel with plastic chain. Deck: 48" x 20". (Side safety rails available separately.) 1-year warranty. Allow extra delivery time. 🚚

**Deluxe Portable Sheep Trimming Stand.** Curved neck reach, fold-up ramp, and wheel kit. Deck: 17"H. **Z18104 – \$719.99**

**Standard Sheep Trimming Stand.** Adjustable neck reach. Head piece adjusts 0"-8" from 19"H deck. **Z15191 – \$489.99**



**WEAVER® ALUMINUM SHOW RAIL**

For use with smaller-size trimming stands. Removable/adjustable nose loops. Lightweight, removable stem. 16"L x 16"W x 36"H. Allow extra delivery time. 🚚 **Z48323 – \$309.99**

**FOLD-UP GOAT STANCHIONS**

Trimming stands or milking/feeding platforms. Fold up. Angle iron supports provide rigidity for heavy animals with lateral bracing. Stanchion assembly fits properly with up, down, and side adjustments. Allow extra delivery time. 🚚

**Aluminum Stand with Stanchion & Trough.** Deck: 48"L x 20"W x 17 $\frac{1}{2}$ "H. Head piece can be extended out 8" from the deck. Stanchion height: 16"-37". **Z45660 – \$799.99**

**Steel Goat Stand with Stanchion & Trough.** Deck: 48"L x 20"W x 17 $\frac{1}{2}$ "H. Neck reach adjusts 0"-8". **Z15594 – \$579.99**







**NASCO LEATHER SHEEP HALTER**  
Designed exclusively by Nasco, features a round strap nose band, 3/4" W leather crown top strap and lead, with a 3/4" x 45" lead with snap and chain, and a bright nickel finish. 9" nose band. Black.  
**C11675 — \$58.99**

**SHEEP HALTERS**

Use for breaking animals to lead. Durable enough for use during washing and grooming, yet attractive enough for show. Constructed of strong, braided plastic with a swivel snap. 6' lead.

	Yellow	<b>C11571</b>		Red/White	<b>C26783</b>
	Green/White	<b>C11572</b>		Red/Black	<b>C29560</b>
	Blue/White	<b>C11573</b>		Green/Black	<b>C26781</b>
<b>Each — \$5.39</b>					



**WEAVER® BUNGEE WALKING TIE**

Bungee tie stretches and retracts to allow proper head positioning and a more natural gait. With snaps at both ends for easy on and off, this tie features 1" elastic covered with 1 3/16" black nylon. Webbing is 18 1/4" at rest and 23" fully extended. Nickel-plated hardware.  
**C33462 — \$16.49**

**WEAVER® SHEEP/GOAT WALKING HALTERS**

Designed for use with a mechanical lamb/goat walker, these 3/4" doubled and stitched black nylon halters feature a "D" ring at the top of the nose for easy lead attachment and correct head positioning. Also works great for tying animals while training them to keep their heads at the proper height. Nickel-plated hardware.  
**C33459 Small — \$16.14**  
**C33460 Medium — \$16.14**



**NYLON ADJUSTABLE SHEEP HALTERS WITH CHAIN LEADS**

Constructed from 3/4" doubled and stitched nylon, fully adjustable sheep halters feature a versatile, single-buckle crown with 7 holes to fit various sizes from show-age lambs to adult sheep. Chain lead features a snap on the end. Nickel-plated hardware. Chain measures 36 1/2", including quick link and snap.

	Hurricane Blue	<b>C31322</b>
	Purple Jazz	<b>C31323</b>
<b>Each — \$19.09</b>		



**POLYPROPYLENE SHEEP HALTER**

8'L sheep halter made of three-strand, twisted, monofilament polypropylene. 3/8" dia. 6" nose band. Ends are heat fused and end whipped. No metal clips. Black.  
**C12432 — \$4.99**



**WEAVER® LEATHER AND CHAIN GOAT COLLARS**

Soft, smooth leather handle feels great in your hand while helping maintain control. Chrome-plated snaps allow sizing to be adjusted quickly and easily. Rolled chestnut bridle leather with smooth, dark edges and chrome-plated chain. Overall length includes handle. 24"L.  
**C30069 — \$17.99**



**WEAVER® TOTAL CONTROL GOAT HALTER**

Chain lies under the chin for greater control. Handle design encourages proper head positioning by distributing pressure evenly. Adjustable and flexible to fit many head shapes and sizes. Snaps on handle allow chain length to be customized.  
**C35655 — \$39.99**



**WEAVER® BRAHMA WEBB® GOAT HALTER**

Provides control, helping the goat walk with its head up. Solid chain lead with snap allows attachment to a pen or gate. Halter blends well with the color of the goat and easily wipes or rinses clean.  
**C34990 — \$27.99**



**KAMER SHEEP SHEARS**

High quality at an economical price. Double-bow, red painted sheep shears with straight blades. Handle and blades are one-piece forged steel.  
5". 12"L overall. **C29351 — \$12.34**  
6 1/2". 13 1/2"L overall. **C29350 — \$15.49**



**GROWTECH HOOF TRIMMING SHEARS**

ARS blades are sharper, retain sharpness longer, and provide durability and balance. Ergonomic design.  
2" L blades — **C27418 — \$38.49**  
3" L blades — **C28947 — \$46.99**



**SABOTEN HOOF SHEARS**

Compact, lightweight. Easy-action handles and sharp blades. Nonstick blade coating prevents rust and gives friction-free, smooth clean cuts. 7 1/4"L.  
**C17016 — \$26.99**



**SHEAR SHARPENER**

Long-life abrasive wafer. Spare wafer inside sharpener. Sharpen at correct angle. 2 1/2"W x 2 3/4"L.  
**C20052 — \$12.49**

**NYLON GOAT COLLARS**

Double-stitched, dual-layer nylon collars perfect for home or the show ring. Metal hardware. Black.  
20"L x 3/4"W Collar **C19656 — \$7.49**  
26"L x 1"W Collar **C28655 — \$8.19**



**THE ORIGINAL HOWARD'S SHEEP NO. 2 CARD FOR BEST IN SHOW**

Bent wire for light, open, short fleeces such as Cheviots, some Oxfords, Tunis, and some of the long-wool breeds. 6" x 4 1/2". Metal handle.  
**C10781 — \$37.99**



**WEAVER® SELF-CLEANING SLICKER BRUSH**

Great for fitting cattle flanks, legs, and tail heads to build volume and smooth out any lines. Works great for lifting leg wool on lambs to add dimension and appearance of bigger leg bone. Hair or leg wool quickly removed with a push of a button. Stainless steel teeth. Nonslip grip. 4"W.  
**C31670 — \$11.99**



**MCCULLOCH MEDICAL™  
LAMB ASPIRATOR/RESUSCITATOR KIT**

An effective, all-in-one device used to clear respiratory passages and pump air into a struggling newborn animal's lungs. This instrument aspirates on one end and resuscitates on the other, delivering volume of air with or without oxygen. Can be matched with a variety of aspirator/resuscitator mask sizes and used on newborn lambs, kids, alpacas, and llamas. Only one person is needed to operate. Safe, effective, and humane. Easily cleaned in 1:20 solution of bleach and water. Pumps and masks are long lasting with a 2-year replacement warranty. Kit includes aspirator/resuscitator pump, aspirator mask, resuscitator mask, instructions, and soft carry bag.



**C27427 – \$99.99**



**FEEDING TUBE & SYRINGE**

Pliable feeding tube is an effective way to feed newborn lambs the ewe's colostrum that is essential for their survival. 60 cc syringe.

**C11880(C) – \$3.19**

**Feeding Tube Only.** 16"L rubber tube.  
**C11880(B) – \$2.79**



**LAMB & KID COLOSTRUM ORAL GEL**

Contains a source of live (viable) naturally occurring microorganisms, dried colostrum milk, and vitamins. Dosage and administration: Give 10 ml to newborn goats, sheep, or calves as soon as possible after birth; then 10 ml the second day and 10 ml the third day.

**C27944 – \$11.89**



**HANGING HAY BAG**

Great for barn or trailer. Two O-rings at the top for easy hanging. Red. 20" x 10" x 29".

**C27341 – \$25.99**

**NASCO  
SMALL ANIMAL  
WEIGHING SLING**

For newborn calves, lambs, and other small animals. 19½" x 12", 1¾" straps, and easy-to-connect 2" D rings. Overall length: 46". Easy to clean.

**C12926 – \$34.49**



**GOAT WEIGHT TAPE**

Measures the heart girth and converting length to an estimate of the animal's body weight up to 200 lbs. Marked in inches and millimeters. 44"L.

**C13681 – \$6.29**



**LAMB & PIG PULLER**

Strong, 3/32" galvanized cable with metal handle support. Plastic outer tubes cover the cables. Soft, pliable snare loop expands from 2"-7". Disposable. Nonsterile.

**C14726 – \$14.29**



**WEAVER® GOAT HOBBLE**

Hook-and-loop fasteners for easy leg-cuff adjustment. 2" black polypropylene webbing. Middle strap is 2" W x 3½" L. Nickel-plated hardware.

**C29738 – \$12.79**

**SHEEPMAT**

Treats hooves by walking on the mat. Place on a solid surface. Measures 60" x 18" and is made of 1½" foam core, cover constructed of permeable poly fabric. Fill mat with the remedy of your choice; holds approximately 3 gallons.

**C23411 – \$249.99**



**MINIATURE CANVAS HAY BAG TOTE**

Easy-to-fill, top-loading bag. Holds one small flake of hay. Cotton canvas with nylon web trim. Mesh gussets. Blue.

**C27826 – \$11.49**



**WEAVER® RAM NYLON MARKING HARNESS**

Ideal for purebred farm, flock, and western-range operators. Holds sheep marking crayons above. Premium-quality nylon with nickel-plated hardware, weather-resistant harness is fully adjustable with a crossover design for more secure fit. Smooth and rounded corners will not irritate.

**C12521 – \$38.99**

**AEROSOL SPRAY MARKER FOR SHEEP**

Formulated specially not to stain wool. Long lasting; removable by washing. Dries instantly; resists fading. Environmentally friendly propellant. Makes approximately 400-500 markings. Spray 4"-6" away from animal. 13½-oz. spray can.

	Blue	<b>C20082</b>
	Green	<b>C20083</b>
	Red	<b>C20084</b>

**Each – \$12.99**



**ELASTRATOR**

Used to place rubber ring that goes over the scrotum to castrate lambs; and for docking lambs. Circulation of blood is shut off immediately. 2" opening. Elastrator only; rings must be ordered separately.

**C00232 – \$12.59**

**Elastrator Rings.** Pack of 100.

**C00233 – \$2.79**



**LIFELINE® RESCUE™ LAMB & KID COMPLETE COLOSTRUM REPLACER**

Delivers energy plus 88 g of total protein (based on body weight) to ensure newborns thrive. Made from natural bovine serum. Easy to eat and digest. **Dosage and administration:** For each feeding, mix ¼ cup of powder into 4 oz. of water and give 3 feedings for a 4-lb. animal, 5 feedings for a 6-lb. animal, 6 feedings for an 8-lb. animal, and 8 feedings for a 10-lb. animal.

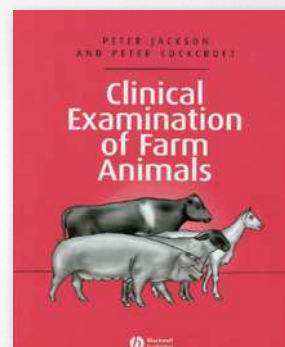
**C34289 – \$59.99**



**CLINICAL EXAMINATION OF FARM ANIMALS**

Assists in performing a detailed examination. Text is divided into sections (cattle, sheep, goats, and pigs) and outlines procedures for various regions of the body. 304 pages.

**C25593 – \$164.99**



**LAND O LAKES® ULTRA FRESH® OPTIMUM LAMB MILK REPLACER**

Promotes gut health and immunity. **Dosage and administration:** After colostrum feeding to 3 days, feed ½ cup of milk replacer 4-6 times a day at 4-hour intervals; 4 days to 2 weeks, gradually decrease feedings and increase milk replacer amount per feeding; 2 weeks to weaning, feed milk replacer twice daily and in gradually increased quantities. 8-lb. pouch.

**C32971 – \$47.99**

**LAND O LAKES® BOVINE IGG COLOSTRUM REPLACEMENT FOR KID GOATS AND LAMBS**

Provides protection and essential antibodies. Reduces disease transmission risk. Licensed by the USDA. **Dosage and administration:** Based on body weight; feed weight-appropriate amount 3 times in first 18 hours of life. 235 g pouch.

**C32969 – \$29.99**



**CUSTOMER FAVORITE**



**WEAVER® COTTON LAMB TUBES**

Colorfast material is a perfect blend of natural, breathable 98% cotton with 2% spandex for the perfect touch of stretch. Features roomy leg holes reinforced with durable binding that stretches for easy on and off. Blue.

Product No.	Size	Each
C33413	Medium (110-140 lbs.)	\$38.99
C33414	Large (130-170 lbs.)	\$39.99

**WEAVER® PROCOOL™ MESH SHEEP BLANKETS**

Breathable mesh material provide excellent ventilation. Reflective piping blocks 98% of UVA/UVB rays. Rip-resistant material offers effective protection from fly bites and provides a barrier against fungus while keeping the animal clean and cool. Snap and ring ends on the adjustable belly strap rest inside pockets to help protect lamb from rubbing and chafing. Mesh butt for added air circulation. Leg gussets allow for extended leg movement. Machine washable.

Color	Product No.	Size
Blue	C33419	Medium (110-140 lbs.)
Blue	C33420	Large (130-170 lbs.)
Purple	C33422	Medium (110-140 lbs.)
Purple	C33423	Large (130-170 lbs.)

**Each – \$52.99**



**DRAMÍNSKI® PREGNANCY DETECTORS FOR PIGS/SHEEP/GOATS**

Detects amniotic fluid in uterus using wave reflection. Slowly move probe to let ultrasound beams hit uterus. Change of tone and light to intense pulse confirms pregnancy. Requires 9V battery (included). 2-year warranty.

**Pregnancy Detector for Pigs.** Optimal examination 25-35 days after breeding.

**C24477 – \$489.99**

**Pregnancy Detector for Sheep/Goats.** For sheep: Optimal examination 60-90 days after breeding. For goats: Optimal examination 60-90 days after breeding.

**C24475 – \$489.99**

**DRAMÍNSKI® ESTRUS DETECTORS**

Detect the best time for mating or insemination. Helps breeders determine the exact moment of the estrus cycle when ovulation takes place (also in the case of silent heat). Measurements are taken by properly inserting the probe in the vagina and taking the reading. Requires 9V battery (included). Comes with instruction manual and plastic carry/storage case. 2-year warranty.

**C30401 For Pigs – \$499.99**

**C25982 For Cows and Mares – \$489.99**



**PREGTEST ULTRASOUND PREGNANCY DETECTOR FOR SMALLER ANIMALS**

Displays location of density changes or tissue interfaces. When properly aimed at uterus, display shows a pattern for spike indicating pregnancy and no spike if the animal is open. Pregnancy detected as early as 14 days after breeding. Rechargeable batteries. 9"L x 8½"W x 3½"H. 2-year warranty. Allow extra delivery time.

**Z30373 – \$3,999.99**



**GOAT GESTATION CALENDAR**

Identify the date of conception and the calendar identifies the approximate birthing date and other events. Water-resistant blue printing. Durable plastic. Hole in the top corner for hanging. 8½" dia.

**C30847 – \$12.24**

**COPASURE® GOAT**

For primary and secondary copper deficiency in goats. Hard gelatin capsule releases copper oxide needles that lodge in folds of goat's stomach lining and slowly and steadily disintegrate. Copper reserves release gradually for approx. 6 months.

**2 g Copasure®.** For ruminating kid goats over 25 lbs. Pack of 24.

**C35637 – \$28.99**

**4 g Copasure®.** For goats 50-300 lbs. Pack of 12.

**C35635 – \$24.49**



**LAMB & KID COLOSTRUM ORAL GEL**

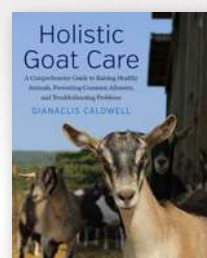
Contains a source of live (viable) naturally occurring microorganisms, dried colostrum milk, and vitamins. **Dosage and administration:** Give 10 ml to newborn goats, sheep, or calves as soon as possible after birth; then 10 ml the second day and 10 ml the third day. 30 ml syringe.

**C27944 – \$11.89**

**HOLISTIC GOAT CARE**

A Comprehensive Guide to Raising Healthy Animals, Preventing Common Ailments, and Troubleshooting Problems. Empowers both experienced and novice owners to confidently diagnose, treat, and prevent more than 75 common goat ailments. Full-color photographs and illustrations throughout. 368 pages, 8" x 10".

**C34950 – \$49.99**

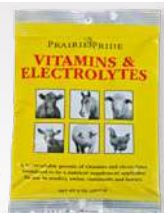


**PRAIRIE PRIDE® VITAMINS & ELECTROLYTES POWDERED MULTI-SPECIES SUPPLEMENT**

Water-soluble vitamins for use when animals are under stress. **Dosage and administration for drinking water:** Dissolve contents of one-half of an 8-oz. packet (4 oz.) in 55 gallons of water or one 8-oz. packet in 110 gallons of water.

**Dosage and administration as a feed additive:** Thoroughly mix an 8-oz. packet per ton of complete ration containing the regular levels of fortification. 8-oz. packet.

**C34752 – \$4.89**



**NAVEL-GUARD™ IODINE-FREE NAVAL DIP**

A solution to the 2% iodine regulations — prevent umbilical infections. Environmentally green. Nonhazardous, nontoxic, and noncorrosive. Uses a food-grade dye to identify application.

**C31349 Quart – \$14.14**

**C31350 Gallon – \$33.99**





**A**

**A DECKER RING O-MATIC HOG CATCHER**

Handy, one-person use and operation. Aircraft control cable on steel handle, with self-locking feature, allows quick, easy snaring of animal. 35" L. Loop extends to 5¼" dia. **C00769 — \$74.99**

**B**

**B HEAVY-DUTY SHORTY HOG HOLDER**

Tested to withstand a pull load of up to 1,400 lbs. Heavy-gauge. Comfort-grip rubber handle with galvanized aircraft cable loop. Approximately 8" L. **C26886 — \$45.99**

**C**

**C MEDIUM HOG CATCHER**

Designed for easily catching and holding pigs and hogs. Made of heavy metal with hand grips and a self-locking device. 24" overall length including the cable loop. **C13375 — \$31.49**

**D**

**D POULTRY AND PIGLET CATCHER**

45" L, ¾" tempered wire with powder-coated finish. Handle is 12" x ¾". **C18943 — \$10.19**

**E**

**E ANIMAL GRABBER TONGS**

Custom-made rubber jaw cushions with air pockets to create a softer grip. Cast aluminum with a special mix of titanium and magnesium for greater strength. Stainless steel aircraft-grade cable and components. No exposed cables or springs. 38" L. **C23594 — \$99.99**

**F**

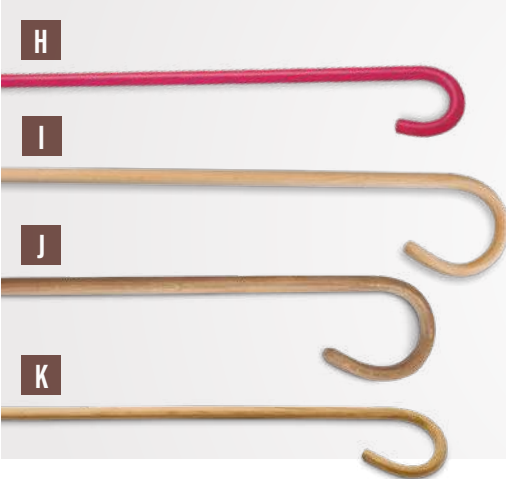
**F HOT-SHOT® SORTING PADDLES**

Red plastic paddle head creates a visual barrier for livestock. Animals respond to the sound of BBs inside paddle. Comfortable golf club-style grip and vinyl covering. **C26462 42" L — \$24.99**  
**C26463 48" L — \$24.99**

**G**

**G RATTLE PADDLES**

Animal-friendly paddles help move livestock easily. Rubber grip for better handling and comfort. Steel balls trapped in the paddle allow you to move animals by sound alone. Shatterproof ½" extruded fiberglass core with a rubber handle. One-piece construction. **C34272 37" L — \$21.89**  
**C34271 47" L — \$23.99**



**H**

**H FLEXCANE**

Ultra-high molecular weight polymer. 38" L round cane with curved handle and no-slip grip. Hot pink. NOTE: Cannot be burned. **C14364 — \$36.97**

**I**

**I EXTRA-HEAVY ROUND CANE**

Unlacquered wood cane for showing livestock. 36" L. NOTE: Cannot be burned. **C07436 — \$11.99**

**J**

**J HOG SHOW CANE**

Short, lightweight wood cane. 24" hardwood cane. Round, ¾" dia. NOTE: Cannot be burned. **C12624 — \$8.39**

**K**

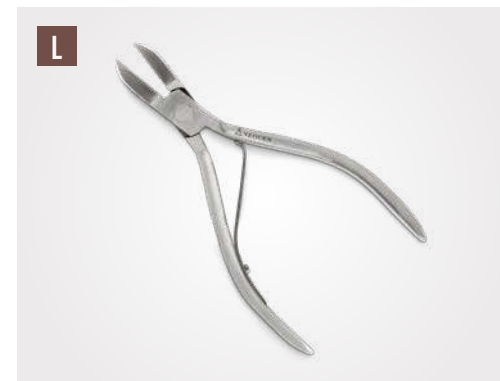
**K 36" L OCTAGON CANES**

Canes are handcrafted with high-quality wood for durability.

**Plain Medium-Weight Stockman.** ¾" dia. **C00108 — \$11.59**

**Laquered Medium-Weight Stockman.** ¾" dia. **C00109 — \$11.99**

**Plain Elephant Cane.** 1½" dia. **C07434 — \$15.49**



**L**



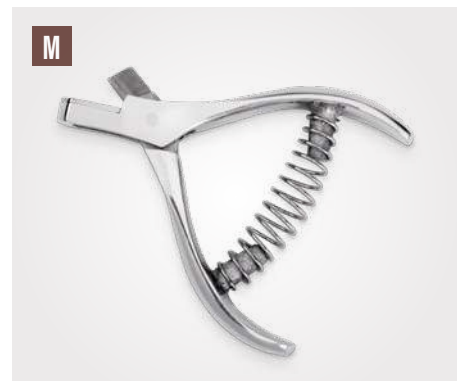
**O**

**L IDEAL® PIG TOOTH NIPPER**  
Use these nippers for clipping sharp needle teeth on baby pigs, preventing damage to sow's teats. Stainless steel. 9½" L. **C34961 — \$18.99**

**M "V" SHAPE EAR NOTCHERS**  
Provides quick, clean cut ear markings for animal identification. "V" shaped cut. Aluminum. **C07792 — \$15.99**

**N V-CUT EAR NOTCHER**  
High-quality, stainless steel ear notcher. Cuts a "V" notch ¼" W at the base. 6" L. **C13668 — \$13.49**

**O BARRIER II™ WOUND CARE SPRAY WITH PAIN RELIEF**  
This 2% iodine solution kills germs. Contains lidocaine to alleviate pain in wounds and incisions. Dries in 90 seconds and forms a visible and durable coating. Reduces bleeding and faster healing. For all animals. 16-oz. bottle. **C31351 — \$29.99**



**M**



**P**



**R**

**P TAIL DOCKER/EMASCULATOR**  
Designed for tail docking and emasculating. Ideal for docking tails of small pigs and sheep. Stainless steel with polished finish. 9" L. **C13669 — \$36.99**

**Q STONE NOTCHERS**  
Die-cast aluminum. Cutting plates are carefully ground after being hardened and tempered. Patented, adjustable-depth gauge to set depth of cut. Dies are not interchangeable.  
**Medium.** With inverted U-shaped die. **C07154 ½" notch, 7¾" L — \$62.99**  
**C07156 ⅜" notch, 9½" L — \$68.99**

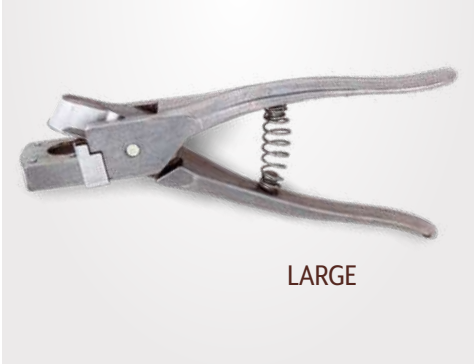
**Large.** With V-shaped die. **C00024 ½" notch, 8¾" L — \$54.99**  
**C00023 ⅜" notch, 9¾" L — \$68.99**



**N**



**Q**



**R**

**R HILL HOG RINGS**  
To aid in the prevention of hogs rutting in the ground. Box of 100 hog rings. **C12956 — \$5.49**

SHOP OUR FULL SELECTION AT  
[NascoFarmandRanch.com](http://NascoFarmandRanch.com)



**A**

**A TWO-WAY SORTING PANELS**

Molded in durable, high-density polyethylene. Panels feature hand grips on top and side to make handling easier. Tough, yet easy to clean.

- 1½ x 30"**  
**C16514** Red — \$31.99
- 3' x 30"** Allow extra delivery time. 🚚  
**C15688** Red — \$59.99
- C35000** Black — \$49.99
- 4' x 30"** Allow extra delivery time. 🚚  
**C15697** Red — \$68.99
- C35003** Black — \$68.99

- 72" Double-Hinged.** Two panels (each 30" x 36") with 20" hinge. Allow extra delivery time. 🚚  
**C26059** — \$184.99

**B**

- 96" Double-Hinged.** Two panels (each 30" x 48") with 20" hinge. Allow extra delivery time. 🚚  
**C26060** — \$214.99

**B PIG SORTER PANEL**

Durable plastic panel to aid in the movement of pigs. Handle cutouts along edges. Effective, humane method of directing animals. 30" x 48". Allow extra delivery time. 🚚

- C31531** — \$45.99



**STANFIELD® HEAT PADS**

Inexpensive to operate; will reduce heating costs. Pads provide a uniformly warm surface which is 30°–35° F above air temperature. Nonslip pads work well on either slat or solid flooring. Completely water resistant, 100% flame retardant. Ultra heavy-duty fiberglass-reinforced plastic is 3/8" thin. Installation instructions included. 10'L electrical cord. 110-120V. Certified to UL, CSA, IEC, CE, and PSE standards. Recommended to use with Stanfield® Power Control (C08090, below). 1-year limited warranty. Available in 240V through special order.

- 2' x 3' Pad.** Use in a twin crate. 160 watts.  
**C08087** — \$239.99
- 2' x 4' Pad.** Use in a twin crate. 200 watts. Allow extra delivery time. 🚚  
**C08088** — \$279.99



**KANE HEAT PADS**

Heat under piglets prevents them from piling and bunching. Reduces stress; enables growth and weight gain. Insulated bottom. Dead air space inside the mat, above the heater, aids in maintaining heat longer and reheats quicker. CSA approved.

- 24" x 36" Mat.** Uses 129 watts.  
**C13611** — \$199.99
- 27" x 48" Mat.** Uses 169 watts.  
**C13612** — \$219.99

**STANFIELD® POWER CONTROL**

Regulate heating pad temperatures with this energy-saving, power-control unit. Portable; no rewiring necessary. This unit is a rheostat that works like a dimmer switch by regulating the current going to the mat based on the dial setting. For use with Stanfield brand heat mats. Two power-control outlets will control up to 600 watts of heat pads. Includes a positive on/off switch, indicating pilot light, and manual temperature control. 110-120V.  
**C08090** — \$139.99



**HUMANE PIG CREEP MAT**

Economical, easy to install, ¾" mat provides more cushioned comfort. Easy to clean, and more sanitary than porous concrete. 30" x 48". Allow extra delivery time. 🚚  
**C11765** — \$39.99



**TEK-TROL® DISINFECTANT CLEANER CONCENTRATE**

For use on ratiite ranches, aviaries, swine producing facilities, equine facilities, veal barns, and calving operations. Effective against *Staphylococcus*, *Pseudomonas*, *Salmonella*, *Aspergillus*, *Tuberculosis*, viruses, fungi, parvo, and mildew. Kills HINI. Do not use in milking stalls, milking parlors, or milk houses. Gallon.  
**C33308** — \$59.99



**TEK-TROL® DISINFECTANT AEROSOL & DEODORIZER**

Antimicrobial agent. Deodorant. Kills HIV-1, and Herpes Simplex Type II viruses on areas previously soiled with blood/body fluids. Kills HINI. Disinfectant, virucide, and tuberculocidal. Fungicide against pathogenic fungi. Mildewstat on hard surfaces. 17 oz. Not for sale in South Dakota, Hawaii, Alaska, California, Kansas, and New York.  
**C33309** — \$14.49



**SWINE BACK FAT PROBE**

Stainless steel. Inserts through back fat until it strikes pork chop muscle. Read fat thickness on probe. Does not injure hog. Graduated in 10ths.  
**C00155** — \$3.79

**USDA PRELIMINARY CUTABILITY GRADE RULER**

Developed for the USDA, these probes are ½" x 6", 0.02" stainless steel, rectangular shape with square corners, and no holes. Processed on one side with depressed black enamel figures and satin-finished back with pocket clip. Graduations on one end are 1/16", opposite end is .04".  
**C02615** — \$3.99

**INFRARED SWEETER HEATER®**

Keep young pigs and poultry warm and comfortable. 100-watt/0.9 amp heaters are used for heating smaller areas and 150-watt/1.4 amp heaters are used for larger areas. 3-year warranty against defects in materials or workmanship. Available in 240V through special order. Overhead-mount. Chains and hooks included.

- C31505** 11" x 30", 100 watts/0.9 amps — \$129.99
- C15872** 11" x 40", 150 watts/1.4 amps — \$149.99



**10½" BROODER CLAMP LIGHT**

Scratch-resistant vinyl sleeve. Adjustable ball joint. The 10½" dia. brooder light, with a porcelain ceramic socket, will handle up to a 300-watt incandescent bulb, not included. 6' cord.  
**C33559** — \$16.79

**ELECTRIC INFRARED HEAT BULBS**

Use with electric brooder. Also for warming milk houses, treating livestock, thawing pipes, etc.

- Clear, 125 Watt**  
**C24452** — \$4.59
- Clear, 250 Watt**  
**C06437** — \$4.59
- Red, 250 Watt**  
**C09857** — \$9.49



**HALOGEN HEAT LAMP BULB**

Red, 250 watts. Approximately 8,000 hours of use.  
**C19290** — \$10.99



**OBSTETRIC GLOVES FOR PIGS**

Pack of 5 gloves with strings.  
**C30713** — \$28.49



**SWINE PREFER® IRON BOOST™**

Oral preparation containing iron and minerals for newborn and suckling piglets. **Recommendation:** Provide 2 ml (1 pump) to piglet within 7 days after farrowing; repeat after 1 week if needed. 14 fl. oz. bottle.  
**C30819** — \$49.99



**A CREEP/MINERAL FEEDER**  
Allows regulation of feed flow. High-density polyethylene. Two different feed flows, with a feed-saver rolled lip. Holds 9 lbs. of feed.  
**C08429 – \$42.99**

**B KANE SNAP FEEDERS**  
Feeds baby pigs dry food. For early wean. Fastens to flooring. Reduces feed waste, positive J-hook locking device, push-turn to attach and release for installation, and a built-in grill keeps pigs from getting into the trough. High-density, high-impact styrene and stainless hook-and-spring assembly.  
**C34273** 2¾"H low profile  
**C34274** 4"H standard  
Each – **\$33.49**

**BROWER® HOG FEEDERS**  
Outside catch keeps moisture and rodents out. Inverted "V" bottom maintains grain flow. Feed flange prevents animals from raking feed out. Swing-style hinges allow top to drop down flush with side of feeder. 20-gauge zinc-coated steel with 16-gauge doors. Allow extra delivery time. 🚚

**C 20-Hog.** Four-trough feeder. Capacity: 7 bushels. 25½"L x 42"W x 40"H.  
**Z06164 – \$549.99**

**D 4-Hog.** Single-door, single-sided. Capacity: 1½ bushels. 20"D x 12"W x 29½" H.  
**Z29927 – \$159.99**

**E BABY PIG FEEDERS**  
24-gauge galvanized steel. For crate or stacked nursery, the feeders have open troughs for removal of stale feed.  
**2-Hole.** Holds 7 lbs. of feed. 12½"H x 8⅞"W x 7⅞"D.  
**C29590 – \$29.99**  
**3-Hole.** Holds 9 lbs. of feed. 12⅜"H x 12⅞"W x 7⅞"D.  
**C29591 – \$52.99**

**F SINGLE DOOR HOG FEEDER**  
Feed-saver lip to conserve feed. Top door flips open from the back for easy loading of feed. Slots in back side for mounting on wall or rail. 50-lb. capacity. 19"L x 12¾"W x 29½"H. Completely assembled.  
**C34313 – \$159.99**

**G DURAFLEX MOLDED RUBBER PAN**  
Only 4"D to prevent overturning. Molded in one piece with reinforced sides.  
**3-Gallon.** 17" top dia. 14" bottom dia.  
**C04272 – \$15.14**  
**2-Gallon.** 14½" top dia. 11½" bottom dia.  
**C18879 – \$11.99**



**COMPLETE WEAN-TO-FINISH WATER MASTER CUP**  
No wrinkles or sharp edges. Made of stainless steel for easy cleaning and longevity. Nipple position allows better water consumption and minimizes water overflow. Mount 4" off floor. For 7-lb. to 280-lb. pigs; 15 to 20 pigs per cup. Includes water cup, nipple, and bolts/nuts.  
**C34679 – \$56.49**



**TROJAN MODEL 33 NONSIPHONING COMPACT PRESSURE WATERER FOR PIGS AND HOGS**  
7"L x 2"H. Big enough for sows, small enough for baby pigs. Works automatically on all pressure systems. Cast-aluminum bowl has no corners, ridges, or crevices. Won't leak or clog.  
**C02519 – \$62.99**



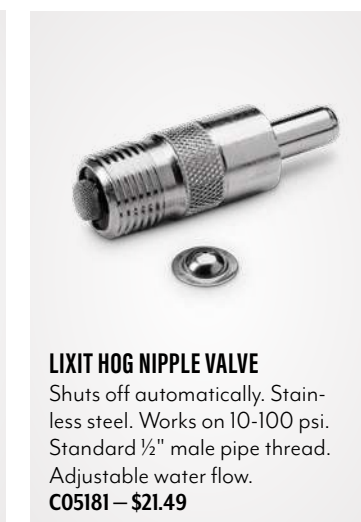
**BABY PIG WATERER**  
Polyethylene jar, vacuum-type waterer. Easy-to-clean, with visible waterline. 5" opening. 9½"W x 13"H x 7"D. Holds 1 gallon.  
**C07900 – \$24.99**



**SULLIVAN PIG WATERER WITH HANGER**  
4" dia. x 36"H PVC water tube and nipple. Holds approximately 2 gallons of water. Chains in multiple places keep animal from lifting off. Has two mounting height options.  
**C32268 – \$134.99**



**NIPPLE DRINKER BRACKETS**  
½" male pipe threads for water lines and ½" female threads for nipple drinkers. Galvanized steel.  
**With 26" Pipe for Single Drinker**  
**C14628 – \$38.99**  
**With 24" Pipe for Double Drinker**  
**C14629 – \$45.99**



**LIXIT HOG NIPPLE VALVE**  
Shuts off automatically. Stainless steel. Works on 10-100 psi. Standard ½" male pipe thread. Adjustable water flow.  
**C05181 – \$21.49**



**½" PIG NIPPLE DRINKER**  
Adjustable-flow orifice. Designed for gravity or pressure systems. Standard ½" pipe thread for mounting. Stainless steel.  
**C12883 – \$3.59**



**FINISHER NIPPLE DRINKER**  
½" bite with wrench flat, adjustable flow rate with three-position orifice, rubber insert, and stainless steel spring and dome screen.  
**C35508 – \$3.69**



**PIGLET NIPPLE DRINKER**  
Standard, ½" threaded flat stainless steel nipple drinker with screen filter to keep out unwanted debris.  
**C31440 – \$3.49**

## A HOVA-BATOR GENESIS INCUBATOR WITH CIRCULATED AIR AND LCD DISPLAY

Shows temp and humidity (°F/°C). Self-regulating thermostat. Built-in sensors prevent egg "burn up." Holds 50 chicken/duck eggs or 130 quail eggs without turner. 18½" x 18½" x 9½". Input: 100-240V, 50/60 Hz. Output: 12V DC. 1.5 3,000mA. TUV listed. **C25502 — \$209.99**

## B HOVA-BATOR™ ELECTRONIC THERMOSTAT INCUBATOR WITH CIRCULATED AIR

Displays in both Fahrenheit and Celsius. Holds 50 chicken/duck eggs or 130 quail eggs without turner. 18½" L x 18½" W x 9½" H. 110V AC. **C35049 — \$114.99**

## C BRINSEA MAXI II EGG INCUBATORS

Provides the essential environment for successful egg hatching. Detailed airflow for even heating.

**Maxi II Eco.** Holds 30 hen eggs (or equivalent). **C34166 — \$229.99**

**Maxi II Advance.** Auto egg turning. Auto stop 2 days before hatching. One rotating disc for 14 eggs of all sizes up to duck.

**C34167 — \$309.99**

**Maxi II Advance EX.** Fully automatic humidity control with integrated water pump, programmable auto egg turning, and temp alarms. One disc for 14 eggs of all sizes up to duck, and one disc for 40 smaller eggs.

**C34168 — \$499.99**

## D MAXI II ADVANCE CLASSROOM PACK

Incubation and embryology kit for elementary and middle school. Includes lesson plan CD-ROM manual, Maxi Advance II Incubator (C34167, above), and all needed equipment.

**C34169 — \$509.99**

## E BRINSEA OVATION EGG INCUBATORS

Fully digital and automatic. Dual Airflow system. Eggs are held in tilting egg carriers; standard egg carriers are supplied for hen eggs of all sizes. Anti-microbial plastics.

**Ovation Eco.** Displays temp and auto egg turning.

**C34170** 28-egg incubator — **\$399.99**

**C34172** 56-egg incubator — **\$459.99**

**Advance.** Also displays humidity and temp alarms. Allow extra delivery time.

**C34171** 28-egg incubator — **\$449.99**

**Z50111** 56-egg incubator — **\$549.99**

**Advance EX.** Fully automatic humidity control with integrated water pump. Allow extra delivery time.

**Z50109** 28-egg incubator — **\$529.99**

**Z50112** 56-egg incubator — **\$629.99**

**F Advance Classroom Pack.** Incubation and embryology kit for elementary and middle school. Includes lesson plan CD-ROM manual, 28-egg Ovation Advance Incubator (C34171, above), and all needed equipment. Allow extra delivery time.

**Z50110 — \$729.99**



NASCO CLASSROOM INCUBATOR KIT

## NASCO CLASSROOM INCUBATOR KIT

Everything you need to incubate and hatch eggs, plus teaching materials for classroom instruction. Kit includes Hova-Bator Incubator with Picture Window (SB15219), a Hova-Bator Automatic Egg Turner (SB12143, p. 78), Nasco Chicken Embryology Poster Set (SB42872, below), and Cool-Lite Tester. Available in 240V through special order.

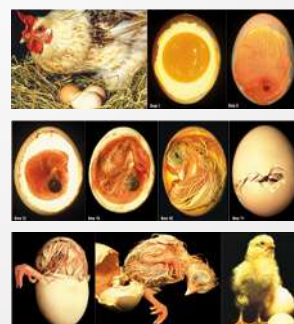
**C28125 — \$200.00**

**Nasco Classroom Brooder Kit.** Complete brooder kit to continue healthy growth of chicks. Kit will hold 4–6 chicks comfortably until 3 weeks of age. Kit includes Pet Home (24" L x 12" W x 12" H), Plastic Poultry Waterer, Plastic Waterer Base, 5 lbs. of Chick Feed, and Clamp Lamp (100-watt bulb not included).

**C18770 — \$79.99**

**C18772** Extra Chick Feed. 5-lb. bag. — **\$6.99**

Nasco  
FARM &  
RANCH



NASCO CHICKEN EMBRYOLOGY POSTER SET  
Set of 3; 21"W x 7¼"H.  
SB42872 — \$15.99



A

SB33201



B



C

C34166

C34167



D

Maxi  
24 eggs



E



F

## OVA-EASY 100 ADVANCE II CABINET INCUBATOR

Capacity of 72 chicken eggs, but fits a wide range of egg sizes from quail to goose. Has humidity readout and temperature alarms. Programmable turning. Double-glazed observation door. Energy-efficient insulated cabinet. Digital control system (temp and humidity readout and menu-driven options). Laminar airflow to eliminate cold spots. 2-year warranty. Allow extra delivery time.

**Z48257 — \$1,599.99**

**Humidity Pump.** Cabinet incubator upgrade provides fully automatic humidity control, keeping humidity level at level set by user irrespective of changes in room humidity to overcome problems that can commonly lead to eggs failing to hatch (especially in the later stages of incubation). Includes an external water reservoir, eliminating the chances of harboring bacteria.

**Z46216 — \$229.99**



## SPORTSMAN MODEL #1502 CIRCULATED-AIR INCUBATOR WITH PRE-SET ELECTRIC THERMOSTAT

Complete incubator and hatcher offers an accurate digital thermostat with LCD display of temperature and humidity. An on-board computer monitors systems and the environment every second to keep itself updated and to share this data with you.

Electronic egg turning control, audiovisual indicators, and a standard easy-view door highlight a number of features. In addition to having three automatically turned racks, it has a hatching tray in the bottom of the incubator. Includes digital command center thermostat, three turning racks, plastic hatching tray (no cover), moisture pan with two wick pads, samples of paper egg trays (one each for quail and chicken/duck), and instruction booklet. Total capacity with plastic trays: 1,368 quail eggs (set and hatch 250 per week) or 216 larger eggs, such as duck, etc. Each turning rack holds approx. 496 quail eggs, 118 chukar or pheasant, 90 small chicken eggs, 40 goose eggs (not over 3¾" overall height), or 60 duck eggs. 30¼"D x 15¾"W x 31¼"H. Metal setting trays and plastic egg trays not included. 110V AC, 225 watts. Available in 240V through special order. Allow extra delivery time.

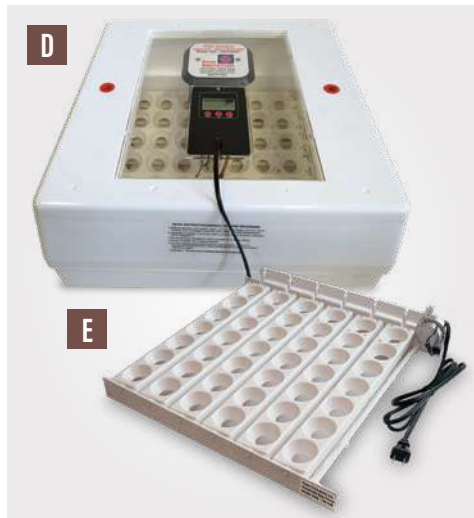
**Z14570 — \$1,149.99**



## BROWER® CHICK AND QUAIL BROODER

Chick capacity: 125 day-old, 100 one-week-old, 100 two-week-old, 65 three-week-old, 50 four-week-old. Quail capacity: 100 to fourth week. Three-liter bottle drinker. 580 cu. in. capacity feeder. ½" PVC-coated wire floor. Thermostatically controlled heater. 250 watts. 42"L x 33"W x 19½"H. 110V AC. Allow extra delivery time.

**C10732 — \$459.99**



**A HOVA-BATOR INCUBATOR — STILL AIR**  
Gently warms eggs until they hatch. Thermal plastic maintains constant humidity. Holds up to 42 chicken eggs. Includes thermometer, thermostat, 2 observation windows (4" x 5"), and plastic sanitary bottom liner. 18"L x 18"W x 7½"H. 110V, 25 watts. **C15905 — \$89.99**

**B LITTLE GIANT® DELUXE CIRCULATED-AIR INCUBATOR WITH AUTOMATIC EGG TURNER**  
Styrofoam™ maintains temperature at 99.5° F. Digital control board. Two viewing windows (4" x 8"), thermometer, and moisture rings. Built-in fan. Automatic egg turner. 18"L x 18"W x 9"H. Large egg cups. 6 egg rails. Holds 41 large chicken or up to 120 bantam or quail eggs. **Doesn't hold goose eggs.** **C34826 — \$179.99**

**Standard Circulated-Air Incubator.** Same as above, except egg cups and turner are sold separately. **C19555 — \$79.99**

**C Auto Egg Turner.** Use with C19555, above. Includes motorized turner, large egg cups, and 6 egg rails. Holds 41 chicken eggs. **Doesn't hold goose eggs.** **C19556 — \$84.99**

**D PRO SERIES DIGITAL CIRCULATED-AIR INCUBATOR WITH AUTOMATIC EGG TURNER**  
Display shows temp, humidity, and days to hatch. Heater heats to 100° F within minutes. Adjustable days to hatch countdown. High/low temperature notification light. Integrated fan pulls in and circulates fresh air. Egg turner holds 41 eggs, including large duck and goose eggs. Has egg candler. Plastic shell. Made with recycled and insulating polystyrene foam. **C33567 — \$169.99**

**E Automatic Egg Turner Only.** Use with C33567, above. Turns eggs completely every 4 hours. No assembly required. Dishwasher safe (egg rails). 41 large egg cups. Thermometer. **C33025 — \$57.99**

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**NascoFarmandRanch.com**

**F HOVA-BATOR AUTOMATIC EGG TURNER**  
Six egg racks, each holds 7 eggs (42 total). Holds any size from small partridge egg up to large chicken egg. **Will not turn turkey eggs.** 15¼" x 15¼" x 3¼". Fits all Hova-Bator Incubators, including Nasco numbers C35049, C25502 (listed on p. 76), and C15905 (listed at left). TUV listed. **SB12143 — \$61.99**

**Nasco Incubator Kit.** Includes Hova-Bator Incubator with Circulated Air (C35049, p. 76) and Hova-Bator Automatic Egg Turner (SB12143, above). **C17015 — \$134.99**

**G DIGITAL CIRCULATED AIR INCUBATOR**  
Digital display shows temperature, humidity, and days to hatch. Heater heats to 100° F in minutes. Adjustable days to hatch countdown is preset at 21 days. Temperature alarm flashes when outside of range. Fan kit pulls in fresh air to stabilize temperature and improve hatching. Holds up to 45 chicken eggs, 115 quail eggs, 90 pheasant eggs, or 41 turkey/duck eggs. Includes additional probe thermometer. Made with recycled and insulating polystyrene foam. **C35729 — \$119.99**



**POULTRY RESTRAINING CONES**

Restrain birds during processing and make cleanup easy. Heavy-gauge galvanized steel with hemmed edges for safety. Flat-back design for easy mounting.

**Medium.** For use on large layers, broilers, roasters, and young turkeys up to 10 lbs.

**C32943 — \$29.99**

**Large.** For use on large capons and medium turkeys up to 18 lbs.

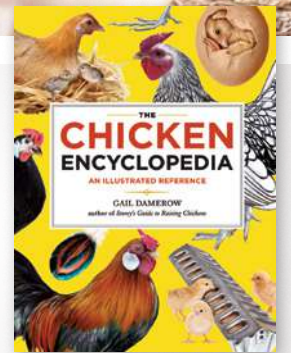
**C32944 — \$47.49**



CUSTOMER FAVORITE

**INCREDIBLE EGG WASH POWDER**

Alkaline, chlorinated, foam-controlled powder cleans and removes stains from egg shells, plus limits foam accumulation in egg washing machines. Safe to use, USDA approved. Highly concentrated. 16 lbs. **C26867 — \$89.99**



**THE CHICKEN ENCYCLOPEDIA**

An Illustrated Reference  
Includes breed descriptions; definitions of common chicken conditions, situations, and behaviors; and more. Offers solutions to problems and instructions for tasks from catching a chicken to candling an egg. 320 pages. **C31619 — \$26.99**

**EGG CLEANSER**

Blend of all-natural enzymes attacks organic stains and protein residue for effective removal of contaminants. A great alternative to chlorine. 33.9-oz. bottle. **C30529 — \$19.99**







**CUSTOMER FAVORITE**

**A GALVANIZED CHICK BROODER BOX**

A safe observatory for brooding baby chicks up to 4 or 5 weeks old. Metal arm holds a brooder lamp (not included) over one side of the brooder. Wire mesh floor has openings  $\frac{5}{16}$ " apart. Dropping pan slides in and out under wire mesh floor. Easily assembled using flathead screwdriver and included hardware. 39 $\frac{3}{8}$ "L x 18 $\frac{1}{16}$ "W x 23 $\frac{3}{8}$ "H. Allow extra delivery time. **C35710 — \$299.99**

**B 10-HOLE METAL NESTS**

These units combine economical pricing, quality and functionality. Allow extra delivery time. **10-Section Metal Nest.** A square-hole nest made from 28-gauge galvanized steel. The nest is 28"H x 12"D x 60"L, with openings are 8" x 11 $\frac{3}{8}$ ". Easy to clean and assemble with removable bottoms. Vertical ends are punched for ventilation. Rivet gun required for assembly. **C30299 — \$254.99**

**Standard 10-Hole Nest.** Plastic perches and nest bottoms make sanitizing the entire unit easy. High front and back panels eliminate scratching of litter out of nests. Durable construction enables nest to provide multiple seasons of trouble-free use. Outside dimensions: 33"H x 60"W. Hole size: 7"H x 11 $\frac{1}{2}$ "W. **C31023 — \$299.99**



**C SIX-HOLE LAYING NEST UNIT**

Metal nesting unit incorporates all of the advancements in modern nest design, including plastic nest bottoms and perches. Two-tier construction. Recommendation: 8–10 birds per hole of nest. 36"L x 12"W x 34 $\frac{1}{2}$ "H. Assembly required. **C24569 — \$239.99**

**D STANDARD-SIZE POULTRY COOP**

Lightweight, durable, high-density polyethylene. Safe bird loading and unloading is quick and easy. Designed for better ventilation, reducing stress during transport. Large spring-latch door is located in the center of the coop. Coops interlock top and bottom for easy stacking and storage. Outside dimensions: 35"L x 23"W x 10 $\frac{1}{4}$ "H. Door opening: 14" x 14 $\frac{3}{4}$ ". Allow extra delivery time. **C14521 — \$89.99**



**E NESTING BOX**

Made of high-density polyethylene, easy to clean and will not rust. Slightly sloped floor allows water to drain through a weep hole in back. Mounts to 16" on-center studs. Can be placed on shelf or hung on peg hooks. 16 $\frac{1}{2}$ "L x 15 $\frac{3}{8}$ "W x 19 $\frac{3}{4}$ "H. 1-year warranty. **C31563 — \$24.99**



**BIG BIN® DISPENSER**

Wall-mounted dispenser stores and pours dry bulk material. Durable, weather-resistant polyethylene. Waterproof lid. Hangs anywhere. 40-lb. capacity. 25"H x 16"W x 10"D. **C15243 — \$68.99**



**HEATED 2-GALLON POULTRY DRINKER**

Keeps water from freezing, provides easy access to clean water. Side-mounted drip- and freeze-free nipple accommodates up to 15 chickens. Built-in, 60-watt heater is thermostatically controlled. Top removes for refilling. **C35727 — \$52.99**



**CLAMP LAMP**

Vented, aluminum 8 $\frac{1}{2}$ " dia. reflector; push-through switch in nonmetallic socket; and strong, double-swivel clamps with vinyl grips. 6'L cord. UL listed. Bulb not included. Not recommended for anything larger than 100 watts. **C11387 — \$12.95**



**10 $\frac{1}{2}$ " BROODER CLAMP LIGHT**

Scratch-resistant vinyl sleeve. Adjustable ball joint. The 10 $\frac{1}{2}$ " dia. brooder light, with a porcelain ceramic socket, will handle up to a 300-watt incandescent bulb, not included. 6' cord. **C33559 — \$16.79**



C14241

C27338

C27340

**PLASTIC FEED/WATER CUPS**

Easily hang on cage or wire. High-density polyethylene construction is virtually indestructible.

**Cup.** 3 $\frac{3}{8}$ "L x 3 $\frac{1}{4}$ "W x 2 $\frac{1}{2}$ "H. **C27338 — \$1.69**

**Pint.** 4 $\frac{3}{4}$ "L x 3 $\frac{3}{4}$ "W x 2 $\frac{1}{2}$ "H. **C13812 — \$2.29**

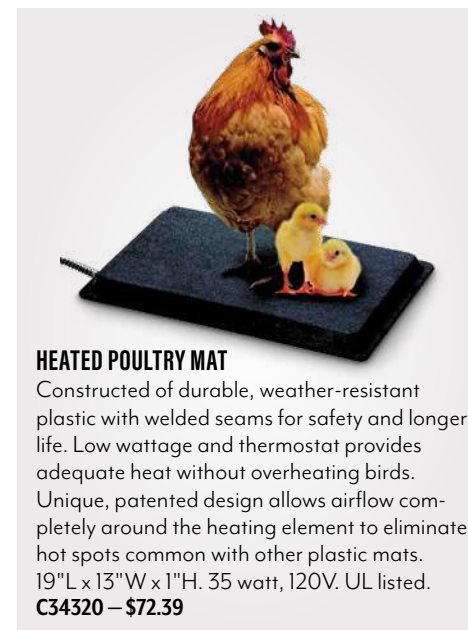
**Quart.** Oblong. 8"L x 4"W x 2 $\frac{3}{8}$ "H. **C14241 — \$3.29**

**2 Quarts.** 4 $\frac{7}{8}$ "L x 7 $\frac{1}{4}$ "W x 4 $\frac{1}{16}$ "H. **C27340 — \$3.39**



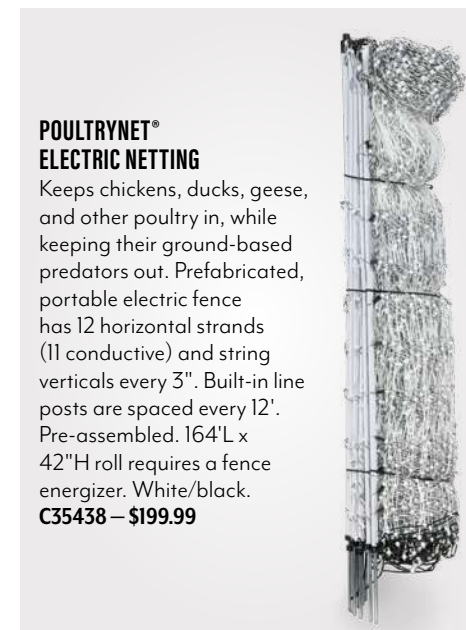
**CAGE WITH BLUE PLASTIC TRAY**

Easy-to-clean, deep plastic tray helps contain bedding and litter for less mess. Ideal for transporting bantam and standard-size chickens. Top and front door access. Rounded corners for safety. Dual handles for transport. 40"L x 19"W x 21"H. Allow extra delivery time. **C28247 — \$139.99**



**HEATED POULTRY MAT**

Constructed of durable, weather-resistant plastic with welded seams for safety and longer life. Low wattage and thermostat provides adequate heat without overheating birds. Unique, patented design allows airflow completely around the heating element to eliminate hot spots common with other plastic mats. 19"L x 13"W x 1"H. 35 watt, 120V. UL listed. **C34320 — \$72.39**



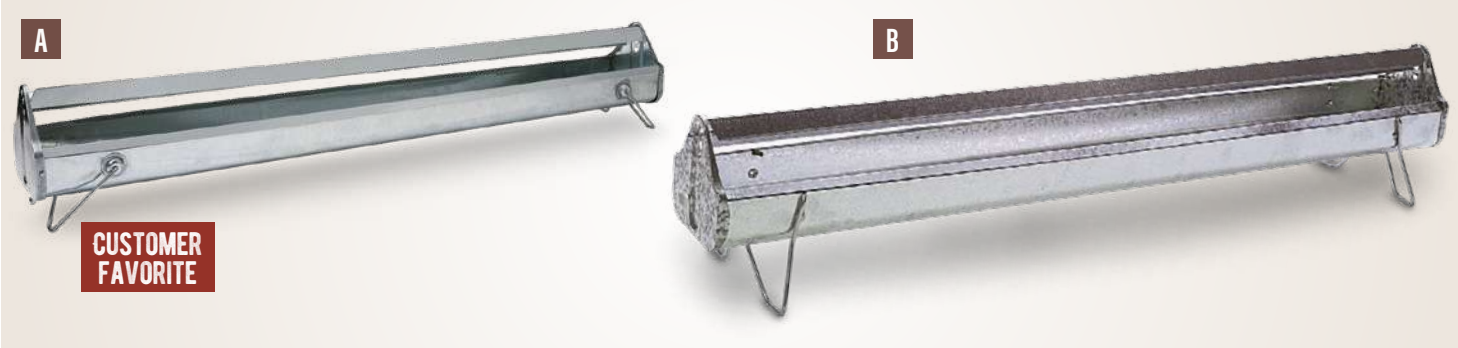
**POULTRYNET® ELECTRIC NETTING**

Keeps chickens, ducks, geese, and other poultry in, while keeping their ground-based predators out. Prefabricated, portable electric fence has 12 horizontal strands (11 conductive) and string verticals every 3". Built-in line posts are spaced every 12'. Pre-assembled. 164'L x 42"H roll requires a fence energizer. White/black. **C35438 — \$199.99**



**ELECTRIC POULTRYNET®**

A 164' roll of fence that stands 48"H, complete with end, corner, and line posts. Prefabricated with vertical strings every 3", and welded to electroplastic horizontals supported by plastic posts every 9 $\frac{1}{2}$ ". Horizontals are only 2" apart at poultry and predator heights, providing a pain and a physical barrier. When energized, the fence is impenetrable to poultry, raccoons, dogs, and coyotes. **NOTE:** Support posts may be needed for ends and corners, depending on terrain. Allow extra delivery time. **Z30371 — \$219.99**



**A 36" CHICKEN FEEDER**  
Made of rust-resistant galvanized steel and ½" flange along trough keeps birds from billing out feed. No bolts or nuts. Legs are wide to prevent tipping, and removable so feeder can be set on the floor for day-old chicks. Adjustable, sturdy, four-blade X-reel has turned edges to protect birds while preventing roosting. **C33644 — \$27.99**

**B 48" CHICK FEEDER**  
All the advantages of a slide-top feeder with off-the-ground design for your larger birds. Metal bar on top prevents roosting. High-quality galvanized steel. 7"W x 6¾"H. Allow extra delivery time. **C19445 — \$32.99**



**C 30-LB. HANGING FEEDER**  
Constructed of high-quality galvanized steel with rolled edges. 15"H x 14" dia. feeder pan. Pan depth is approximately 2½". Feeds 30–50 hens. **C19446 — \$32.99**

**HANGING POULTRY FEEDERS**  
Molded from durable polyethylene and works great outdoors or in the coop. Features a built-in feed saver lip to minimize spillage, hardened-steel center axle with an unlimited number of feed level settings, plus anti-scratch vane to limit scratching, feed waste, and crowding.

**E 7-lb.** 10¾" dia. x 8½"H. **C30458 — \$12.49**

**D 40-LB. HANGING FEEDER**  
Heavy-gauge galvanized steel with rolled edges for safety. 40-lb. feeder tube with 17" dia. feeder pan. 17"L x 17"W x 20¼"H. **C34825 — \$48.99**

**F 22-lb.** 17⅞" dia. x 14½"H. **C19806 — \$48.99**



**GALVANIZED HIGH-CAPACITY POULTRY FEEDER**  
Dispenses up to 25 lbs. of mash, pellet, or crumble feed. Easily mounts on wall or frame. The specially designed chute provides a steady food flow while the feed saver grid prevents the bottom from overfilling and keeps birds from sweeping feed out of unit. Made of tough, galvanized steel. Comes completely assembled. **C34312 — \$58.99**



**KANE POULTRY CREEP FEEDER**  
Made of high-density, durable polyethylene that is noncorrosive. Adjustable meter plate for metering the amount of feed into bottom of trough. Feed saver rolled lip eliminates waste. Holds 5 lbs. of dry feed. 13"L x 5"W x 14"H. **C34814 — \$42.99**



**G DOUBLE-WALL METAL FOUNTS**  
Constructed of heavy-gauge steel; edges are rolled for safety and feature arched inner handles for added strength. Brass valves and rubber seals produce a positive water shut-off. Seams are constructed and tested to prevent leaks. Founts also feature locking pin. **C19449** 3 Gallon — \$54.99  
**C19450** 5 Gallon — \$54.99  
**C29886** 8 Gallon — \$67.99

**H LARGE-CAPACITY AUTOMATIC WATERER POULTRY FOUNTS**  
Large-capacity plastic waterers are durable and easy to fill. Vacuum-seal creates an automatic water flow. Jar snaps into base. **C19442** 3 Gallon — \$52.99  
**C19443** 5 Gallon — \$59.99  
**C29887** 7 Gallon — \$62.99

**I POULTRY DRINKERS**  
Easy fill, easy clean poultry drinkers are molded from durable plastic with durable fountain, twist-lock system, and a hanger/carry handle. **5-Qt.** For up to 32 poultry or game chicks. **C30503 — \$7.59**  
**3½-Gallon.** For up to 56 poultry or game birds. **C33641 — \$30.79**



**J AUTO POULTRY WATERER WITH COVER**  
¾" hose attaches to standard garden hose, providing a continuous flow of fresh water. Automatic float. Oversized cover prevents roosting and keeps debris out of the water. High-density polyethylene bowl. Polypropylene cover attached to a metal bracket. For adult birds. 14"L x 12¾"W x 10½"H. Holds 5 quarts. 1-year warranty. **C32322 — \$64.99**



**L TWO-DRINK POLYETHYLENE WATERER WITH FLOAT**  
Offers a fresh supply of water for pets and most small animals. Features a hose hookup and automatic float. Easy to clean. Stainless steel valve cover won't rust, corrode, or break. 20½"L x 10¾"W x 5⅝"H. **C35005 — \$134.99**

**M 3½-GALLON HEN HYDRATOR**  
Translucent bucket provides UV protection prevents algae growth and allows for easy viewing of the water level. Accommodates four adult birds. **C32947 — \$47.99**  
**Replacement Nipples.** Pack of 4. **C32941 — \$9.29**

**K DOME POULTRY WATERERS**  
Top-fill design is easy to use. Strong, heavy-duty plastic. Valve in base controls water flow. Best suited for adult birds. Accommodates up to 40 chickens, also good for ducks or other poultry. **C35242** 8 Gallon — \$94.99  
**C35243** 10 Gallon — \$99.99



**N AUTOMATIC HANGING POULTRY FOUNTAIN**  
Ensures a continual water level with pressures above 20 psi. Connects to the included hose. **C31030 — \$46.89**

**O POULTRY FOUNTAINS**  
Fully automatic. Plastic bowls feature a non-rusting brass fountain stem, attach to a standard ½" pipe, and work on pressure or gravity system. The weight of the water in the bowl automatically shuts the fountain off. The bowl raises and lowers against the water valve assembly. Recommended for layers. **Regular.** Holds 2 pints of water and waters up to 175 birds. Bowl is 6½" dia. x 2½" deep. **C10877 — \$49.99**

**King Size.** Holds up to 1½ quarts of water and waters up to 250 adults birds. Bowl is 8½" dia. x 2¾" deep. **C29906 — \$51.99**  
**C29898** Stem assembly — \$44.99



**CUSTOMER FAVORITE**

**THE INCREDIBLE EGG WASHER**

Uses water and bubbled air to gently clean the eggs. Small enough to use in any kitchen, yet works for the small farmer's egg production. Capacity: 8 dozen eggs. Includes egg washer, 10" egg basket, egg brush, egg scrubber, 1 lb. of egg wash powder, 24" combination air chuck/anti-backwash hose, support stand, 7½" and 8½" weight disc, and complete instructions. Requires 1.5 cubic feet of air per minute from an air compressor (not included).  
**C26865 – \$149.99**  
**10" Basket.** Holds 8 dozen eggs.  
**C26869 – \$19.94**



**CORRUGATED EGG CASES**

Collapsible cases come with a built-in S-liner. 15-dozen capacity. Case size: 12"W x 12"D x 13"H. Pack of 25 cases. Use with Super Pocket Egg Flats (C15756, below) to place eggs in case. Allow extra delivery time. 🚚  
**C15753 – \$80.00**  
**SUPER POCKET EGG FLATS**  
 Each flat holds total of 30 eggs. Case of 140 flats. Recycled newspaper and starch flats are 11½" x 11½". Allow extra delivery time. 🚚  
**C15756 – \$39.95**



**UNLABELED EGG CARTONS**

Great for the small flock owner. Made from recycled molded pulp. Blank area on cartons for farm name, stamp, or label. Dozen-size cartons for Grade A large eggs. Pack of 25. Colors may vary. Allow extra delivery time. 🚚  
**C14067 – \$9.69**



**SEE-THROUGH PLASTIC EGG CARTONS**

For specialty, colored, and premium eggs. Eco-friendly. Holds small to extra-large size eggs.  
**6-Egg Cartons**  
**C32755** Pack of 50 – \$25.49  
**C32583** Pack of 200 – \$94.99 🚚  
**12-Egg Cartons**  
**C32754** Pack of 25 – \$18.39  
**C32584** Pack of 100 – \$57.99 🚚



**INCREDIBLE EGG SCALE™**

Perfect for small farm or home use. Accurate for weighing your chicken eggs. Full-steel construction. 9¾"L x 3"W x 7¾".  
**C28431 – \$40.99**

**OVASCOPE EGG SCOPE**

Great for classroom use, the OvaScope can be fitted with a webcam and is ideal for demonstration purposes. This innovative aid to egg candling improves the clarity and visibility of the egg and its contents by completely blocking out ambient light, slightly magnifying the image of the egg and allowing the viewer to rotate the egg smoothly as it is observed. Uses high-output, high-efficiency, LED illumination so there are no bulbs to replace and no concerns about overheating the eggs during inspection. Suitable for any size egg up to goose eggs. Includes a small black ring to seal against the egg shell of smaller eggs. 2-year warranty.  
**C29805 – \$89.99**



**SPEED-KING GREEN FILTERED CANDLING LIGHT**

Offers a high-intensity light beam for brown-shelled eggs, low-intensity light for white-shelled eggs. Green filter for easy blood spot detection; easy on the candler's eyes. Light intensity may be changed by throwing a simple switch. Lamp is a No. 11 W7 GE base-type automobile lamp, 12.5V bulb, 32 candle power. Pre-focused so that no errors can occur through faulty adjustment. 120V.  
**C06372 – \$414.99**



**HOOF RASP**

Super-sharp, 14" tanged horse rasp. Flat with rasp cut on one side and a double-cut file on the reverse. 14"L x 1¾"W.  
**C24398 – \$44.99**



**FARRIER NIPPER**

Machined to precise tolerances and heat treated for wear resistance. Very sharp cut. 15"L. Steel.  
**C11410 – \$124.99**



**SMALL ROUND HOOF TESTER**

Premium-quality, stainless steel hoof tester. Small round shape. 13".  
**C32829 – \$60.79**

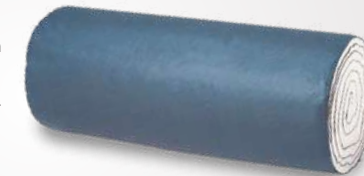


**HOOF PICK**

Nickel-plated steel hoof pick. 5⅝"L.  
**C02121 – \$3.09**

**1-LB. COTTON ROLL**

Bright white, seed-free, long-stem cotton. Layers are separated by blue paper. Outer white poly bag. **C25385 – \$8.19**  
**Case of Cotton Rolls.** 30 rolls.  
**C25386 – \$229.99**



**HOOF STAND**

Perform farrier duties with more ease and less weight on your back. Supports the hoof for daily maintenance and farrier work. Includes one standard adjustable base with two magnets, rubber cradle, and a rubber post. Heavy-duty diamond-plate finish.  
**C30977 – \$94.99**



**A**



**B**



**C**



**D**



**E**



**F**



**HORSE FARRIER'S HOOF TRIMMING KIT**

Designed especially for trimming hooves and shoeing horses. Contains one of each tool below in a carrying case with latches. Case: 19½"L x 9"W x 10"H.  
**C13593 – \$289.99**

**Replacement Tools**

	Product No.	Description	Price
<b>A</b>	C15559	Nail Clincher	\$64.99
<b>B</b>	C15560	Clinch Cutter	\$31.99
<b>C</b>	C00123	Rasp	\$29.99
<b>D</b>	C13670	Hoof Knife	\$5.84
<b>E</b>	C13649	Hoof Nipper	\$51.99
<b>F</b>	C14754	Shoe Puller/Spreader	\$50.99



**WEAVER® ADJUSTABLE CHIN HALTER**  
Top-quality nylon, heat-sealed, oblong buckle holes, box-stitching at stress points, and true-to-fit sizing. The 1" halter features a comfortable rolled throat, and brass-plated hardware (except looped-on throat snap that is nonrusting solid brass).  
**C34370** Yearling Horse  
**C34371** Large Horse/2-Year-Old Draft  
Each — \$27.99



**ROPING DUMMY HEAD**  
Realistic-looking, molded plastic steer head. Two 15"L prongs mount to a bale of straw. 15"H; 24" from horn tip to horn tip.  
**C16093** — \$43.99



**A WEAVER® HAY BAG**  
Easy-to-fill hay bag with convenient snap closures to minimize hay loss. Round, 9" feed hole, inner liner and a D-ring on the back for easy snap attachment. Cordura with mesh. 30½"L x 23"W x 12"D.  
**C34373** — \$25.99

**B PREMIUM SLOW-FEED POLY HAY NET**  
Poly hay net with 2" x 2" openings encourages slower feeding. 42"L.  
**C34812** — \$11.89



**DELUXE HEAVY-DUTY LEATHER PUNCH**  
Drop-forged steel punch has a comfort-grip, spring-action handle. Provides clean, sharp cuts. Revolving head has six size tubes and locks in place. Tubes are replaceable.  
**C15166** — \$44.99



**C WEAVER® STOCK WHIP**  
50"L stock whip with an 8" drop, 8" popper, and a rubber handle with a comfortable grip. Red and white.  
**C34358** — \$14.99

**FIBERGLASS WHIPS**  
Each sturdy whip has a machine-twisted popper and a golf-club handle. Assorted colors. No choice. 50"L.

**D C09848** 18" Drop — \$14.79

**E C09847** 8" Drop. Allow extra delivery time. 🚚 — \$14.29

**QUICK-RELEASE HONDA**

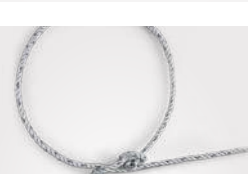
Has small inside release trigger. Makes it easy to release struggling animal, or tighten rope without loosening rope from snub post or saddle horn. Replaces solid honda or use with regular rope.  
**C00377** — \$5.69

**30' VET-ROPE**

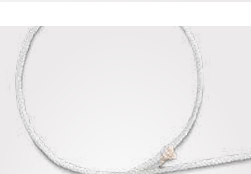
Soft, safe, non-burning rope. Machine washable (cold water) rope improves with every wash. Excellent lunging rope. Has eye splices at both ends. 29½'L.  
**C28202** — \$149.99



**SOFT NYLON LARIAT**  
30' lariat of soft, pliable nylon rope. 7/16" dia. Quick-release honda makes it easy to tighten or release without loosening rope from saddle horn or snub post.  
**C14660** — \$29.19



**SILVER DOT VET ROPE**  
Nylon with a quick-release honda for letting go quickly. Not affected by barnyard muck. Rope is stiff to hold loop open. 7/16" x 30'.  
**C27277** — \$32.89



**SOFT-FULL-TWIST NYLON LARIAT**  
Extra-fine, 7/16", three-strand, nylon rope lariat (not soft rope). Basic utility rope for general use. 30'L with quick-release honda.  
**C03234** — \$31.99



**TEXAS SUPREME NYLON LARIAT WITH QUICK-RELEASE HONDA**  
Medium lay. 7/16" x 30'.  
**C17695** — \$28.99



**LEATHER BURNER LARIAT**  
Extra-fine nylon roping, 7/16" dia., three-strand, 69-thread rope with tied-in leather burner and Turk's head knot. 30' rope. 5,000-lb. tensile strength.  
**C01471** — \$26.99



**MCCULLOCH MEDICAL™ FOAL ASPIRATOR/RESUSCITATOR KIT WITH OXYGEN RECOVERY MASK**

Clears respiratory passages and pumps air into a struggling newborn's lungs. Aspirates on one end and resuscitates on the other. Only one person is needed to operate using simple push-pull action. Easily cleaned. Includes aspirator/resuscitator pump, aspirator mask, resuscitator mask, supplemental oxygen adapter, oxygen recovery mask, instructions, and carry bag.  
**C25880** — \$289.99



**EQUIVET DENTAL RASP**

Thomsen pattern with movable rasp plate to put tooth rasp in desired position. Heavy-duty 24" plastic handle. Rasp is curved and has tungsten carbide chip. 1½" x 4½" convex blade.  
**C17705** — \$199.99  
**Replacement Rasp Plates.** Include screws.  
**C17707** — \$89.99

**POVIDONE IODINE SOLUTION**

Water-based iodine solution indicated for gram-positive and gram-negative bacteria plus fungi, viruses, protozoa, and yeasts.  
**C30960** Quart — \$19.19  
**C31298** Gallon — \$36.29



**NOSE TWITCH**

Subdue stubborn animals. Hardwood handle with polished grip and chain twitch. 18" handle, 7" chain.  
**C00700** — \$11.29



**CHLORHEXIDINE SOLUTION**

Contains 2% chlorhexidine gluconate. Apply to superficial cuts, abrasions, or insect stings. External use only. Gallon.  
**C31245** — \$16.29



**HORSE DENTAL FLOAT**

Combination angular head and straight jointed head. Two screws in back hold steel blade. Wooden handle. Polished, nickel plated. Includes rasp and file cut blade and rasp and rasp cut blade. Approximately 22"L. Uses a 1" x 3" blade.  
**C32825** — \$63.99

Nasco  
FARM & RANCH



**LEATHER A.V. HOLDERS**  
C06248(YA) 16"L — \$57.99  
C12762(A) 22"L — \$58.99



Nasco  
FARM & RANCH

### NASCO EQUINE ARTIFICIAL VAGINAS — MISSOURI STYLE

Well accepted by the major breeders in the U.S. and the world. Carrying cases for all sizes are available — the leather case permits the vagina to be carried easily and gives rigidity to the inner liner; the insulated cover thermally insulates the collection liner and also provides a stable structure both lengthwise and crosswise. Each of the Missouri-style artificial vagina assemblies consists of a vagina, two bottles or six bags for collection, leather casing, and instructions. NOTE: Equine Vagina is guaranteed free from defects when shipped, but we cannot be responsible for a vagina that is older than 1 year. Choose the assembly that best suits your needs from the chart below.

	Leather Casing with Plastic Bottles	Leather Casing with Whirl-Pak® Bags
<b>Standard Horse, 18"</b>	<b>C26716</b>	<b>C26717</b>
<b>Each</b>	<b>\$389.99</b>	<b>\$399.99</b>
<b>Large Horse, 22"</b>	<b>C26720</b>	<b>C26721</b>
<b>Each</b>	<b>\$400.69</b>	<b>\$444.99</b>



**INSULATED COVER FOR 16" A.V.**  
An insulated MO model cover designed to fit a 16" artificial vagina.  
C33845 — \$99.99

### REPLACEMENT RUBBER LINERS FOR NASCO EQUINE ARTIFICIAL VAGINAS

Setting the standard in the horse A.I. industry. For experienced professionals. Knowledge of equine semen collection is required.

**Miniature, 13".** C18877 — \$304.99  
**Large, 22".** C12589 — \$389.99  
**Standard, 18".** C06250 — \$324.99



CUSTOMER FAVORITE

Nasco  
FARM & RANCH



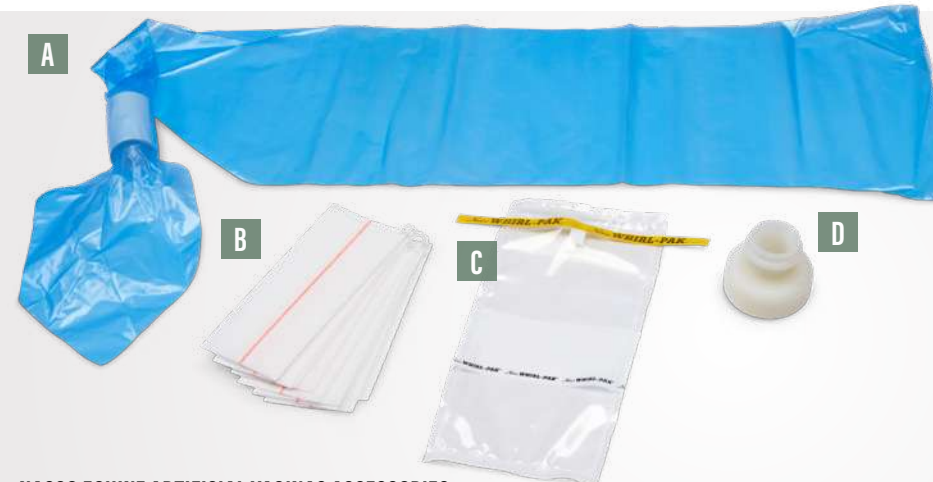
**NEXT GENERATION™ A.V. FUNNEL FILL ADAPTER**  
Fill the bladder without hyperextending the gum rubber liner and inducing dry rot. Simply unscrew the brass valve/pin, screw on the funnel fill adapter, bring water to temperature, hold the funnel under water, and fill the bladder to desired pressure.  
C19402 — \$21.99



**STALLION A.V. LINERS — DISPOSABLE**  
Manufactured of high-quality, soft blue polyethylene for durable reliability. Missouri-type liner, 1/4 mil, 36"L. Bag of 100.  
C26963 — \$74.99



**MAX-FLOW SEMEN GEL FILTERS**  
The flexibility needed to adapt to any collection setup. Special seams will not tear out with excessive gel output. Filters are also super colostrum filters. Pack of 25.  
C25004 — \$21.49



### NASCO EQUINE ARTIFICIAL VAGINAS ACCESSORIES

**A Poly Disposable All-In-One A.V. Liner.** Fits 16" vaginas. The collection pouch and filter are built into the total design. Pack of 10. C15367 — \$104.99  
**B Filters.** Pack of 10. C15245 — \$5.59

### C Write-On Whirl-Pak® Collection Bags.

Sterilized, easy to store, disposable, and economical. Makes sample identification easy. White write-on strip can be written on with a ballpoint pen or pencil. No labels to come off. Heavy, transparent polyethylene. Each 18-oz. (540 ml) bag is 4 1/2"W x 9"L with a 2" x 4 1/2" write-on strip. Bags should not be used at temperatures above 180° F (82° C). Can be frozen to any temperature, including liquid nitrogen temperatures down to -346° F (-210° C) — careful handling required after freezing.

C32520 Box of 100 — \$20.99  
B01065 Box of 500 — \$119.99

**D Adapter for Bottle to Vagina.** Fits between the bottle and vagina. Also makes attaching the Whirl-Pak® bag easier and more secure. Recommended for use with a gauze pad (not included) for straining.  
C12539 — \$14.49



### EQUINE INSEMINATION PIPETTES

Appropriate for use in equine artificial insemination with fresh semen, chilled semen, and frozen semen in Macrotubes and in 0.5 ml straws. Packs of 5.  
C32984 65 cm — \$9.59  
C32983 75 cm — \$8.79



### EQUINE EXPRESS II™ COOLED SEMEN SHIPPER™

Disposable container handles shipping volumes up to 120 cc of extended semen. Has two sterile, 50 ml all-plastic syringes. USDA-APHIS container approved for international shipping. No container tracking or deposits needed. When tested under various external conditions at 24 hours, results proved 80.67% total motility average, 51.33% progressive motility average, and exceeded 77 hours long-range cooling. Outer packaging is a double-wall corrugated box that requires no sealing tape to ship. Inner packaging is 1.625" thick polystyrene with recessed die-cut cavity for capped syringe; gel pack; and polystyrene divider.  
C18403 — \$45.99



### EQUINE DISPOSABLE INSEMINATION KIT

Sterile, convenient, economical kit includes disposable 25"L infusion tube with adapter, 50 cc syringe, and 34"L shoulder glove.  
C17342 — \$6.29



### STYLET FOR EQUINE PIPETTE

A straw is placed on a styilet, cotton plug end first, and is placed into the pipette until the straw reaches the tip. After introducing the pipette into the mare's uterus, empty by pushing the cotton plug forward with the styilet. After insemination, the empty straw and styilet are taken out of the pipette and the straw is pulled off the styilet.  
C32979 For 75 cm pipette — \$89.99



**UTERINE INFUSION KIT WITH ULTRA-SENS SLEEVE**  
21"L plastic infusion tube with flexible adapter to fit syringe. Pack of 10 individually wrapped gamma-irradiated pipettes and plastic arm-length sleeve.  
C14832 — \$32.99



**A DISPOSABLE ARTIFICIAL VAGINA**  
Disposable to eliminate contamination. Double water jacket liner, heavy cardboard outer shell is 20"L x 5¾" dia., and vinyl tapered liner. Includes 3 extra filters. **C14020 – \$124.99**

**B STALLION CONDOM**  
Durable latex. Wall thickness: 0.0125". Measures 12¾"L x 5¾"W at base and 3¾"W at top opening. **C16484 – \$21.99**

**C LARGE-ANIMAL DISPOSABLE VAGINAL SPECULUM**  
Disposable 18" equine vaginal speculum that is foil-lined and has a foil-coated exterior. Sterilized. **C30279 – \$2.89**



**MODIFIED TAIL WRAP**  
Contour design prevents short hair from slipping out at tail top. 3 mm black neoprene. 18"L x 13"W top x 8"W bottom. **C25008 – \$23.59**

**EQUIVET UTERUS FLUSHING TUBE**

Ensures an easy and secure coupling of flushing tube and flushing liquid. Sterile 190 cm tube with bore spikes. Disposable. **C18357 – \$10.79**



**EQUINE UTERINE FLUSHING CATHETER**

Large silicon catheter with large Foley inflatable balloon. Embryo transfer/collection. Lateral eyes on open-ended tip. Inflatable balloon allows fluid retention in uterus when the catheter is passed beyond the cervix. Includes two different adapters, reducing connector to attach tubing, and barbed connector with standard Luer fitting. 8 mm I.D., 11 mm O.D. 65 cm L. **C25937 – \$71.99**



**PLASTIC LUER-SLIP SYRINGES**

Disposable. For use with uterine pipettes (C08273 and C13729 on p. 96). Nontoxic to sperm. 0.5 ml graduations. Pack of 10. **C13044 10 cc – \$3.99**  
**C16790 20 cc – \$5.99**  
**C16792 30 cc – \$11.99**  
**C16791 60 cc – \$11.99**



**NEXT GENERATION® UNIVERSAL™ SEMEN EXTENDER WITHOUT ANTIBIOTIC**

Sugar and nonfat dry milk. Pack of 10 doses; 150 ml/dose. **C27050 – \$89.99**



**INRA 96 EQUINE SEMEN PRESERVATION MEDIUM**

For preservation and transportation of fresh and cooled equine semen for up to 48 hours. 6¾-oz. (200 ml) bottle. **C34248 – \$39.99**



**VMD-Z STALLION SEMEN EXTENDER WITH ANTIBIOTICS**

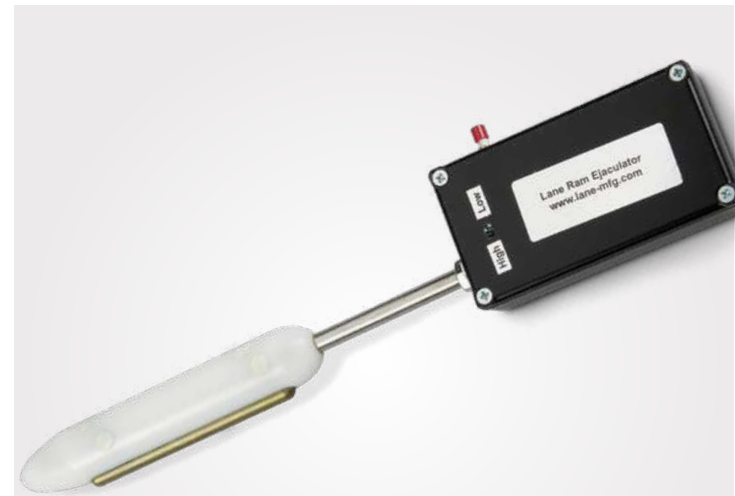
Includes foil packet of dry powdered extender mix, premeasured bottle of sterilized water, bottle of Amikacin and potassium penicillin, and instructions. 200 ml. **C30280 – \$45.99**



**PRIORITY CARE® NONSPERMICIDAL LUBRICANTS**

Virtually nontoxic. Minimize irritation to skin and delicate mucous membranes of animals. All-purpose for performing gynecological and rectal exams.

**5 oz.** Sterile jelly in tube. **C15190 – \$4.69**  
**8 oz.** Nonsterile lube. **C19628 – \$4.99**  
**Gallon.** Nonsterile lube. **C31032 – \$13.19**



**LANE RAM EJACULATOR**

A preset, handheld unit for rams and goats. Operates on two 9V batteries (included) that are easily replaced. 1¼" dia. 1-year warranty. **C27113 – \$529.99**



**SHEEP/GOAT ARTIFICIAL VAGINA**

Complete A.V. is 8"L x 2¼" dia. Unit is fitted with an air and water-filling valve (complete with pressure rubber bulb), latex inner liner, two wide rubber bands, and latex semen-collecting bag. **C09802 – \$169.99**

**A.V. Inner Liner**  
**C09803 – \$26.99**

**A.V. Collecting Cone.** 12"L x 4¾"W at opening; ½"W at tip. **C09804 – \$15.39**



**CANINE INSEMINATION KITS**

Insemination kits for dogs include pipette, 10 ml all-plastic syringe, One Shot™ Non-Spermicidal Lubricant, and a pair of nitrile gloves.

**Kit for Small Dogs.** Pipette is 6"L. **C28351 – \$5.79**

**Kit for Medium Dogs.** Pipette is 9"L. **C28352 – \$5.89**

**CANINE EXPRESS® COOLED SEMEN & GENETIC PRESERVATION TRANSPORT SYSTEM**

USDA-APHIS approved disposable container for international shipping of fresh cooled semen. Includes two all-plastic centrifuge tubes with caps (15 ml), 2 Thermoregulating Sleeves™, two One-Shot™ Non-Spermicidal Lubricant, two all-plastic syringes (10 ml), two Next Generation® insemination pipettes, Thermoregulating Plate™, pair of nitrile rubber gloves, and Special Coolant Pac™. **C28308 – \$39.99**



**STERAMINE™ SANITIZER TABLETS**

Quaternary ammonium germicide sanitizer for sanitizing instruments, equipment, footwear, and food-contact surfaces. One tablet produces a solution of approximately 200 ppm when used in 1 gallon of water. Bottle of 150 tablets. **C06270 – \$9.79**



**ALL-2-MATE® GOAT INSEMINATION GUN**

½ cc. Individually wrapped in a poly bag. Utilizes ¼ cc straws. Stainless steel. 10½"L x ⅛" O.D. **C24291 – \$44.99**

**Goat Sheath – 1/2 cc Style with Slit.** For use with insemination gun above (C24291). PVC. 12⅞"L x ⅜" O.D. Uses ¼ and ½ cc semen straws. Pack of 25. **C24290 – \$13.49**

**NASCO-GUARD® PRESERVED REPRODUCTIVE TRACT OF COW**

Ideal for instruction of artificial insemination and the study of the female reproductive system. Complete tract including ovaries, oviducts, uterus, vagina, bladder, and external organ. Preserved with a patented, odorless, nontoxic solution (not formaldehyde). Can be used repeatedly for long periods of time.  
**LS02798 — \$99.95**



Nasco  
**FARM & RANCH**

**CUSTOMER FAVORITE**



**HOG MATE™ — FOR GILTS AND SOWS**

Determines whether or not a gilt or sow is at a correct stage of estrus for artificial insemination. Contains a solution of the same pheromone compound that occurs naturally in the boar and which is responsible for the “boar odor.” Stimulates libido in reluctant boars and improves semen output. 40 ml.  
**C31509 — \$19.99**

Teach basic cow artificial insemination without the entire cow



**COW REPRODUCTIVE ORGANS MODEL**

A fine rubber model. Uterus, ovaries, cervix, etc., are in natural color. Includes comprehensive guide showing correct names, descriptions, and size for each part.  
**C06117 — \$50.79**

Nasco  
**FARM & RANCH**

EXCLUDED FROM DISCOUNTS

**RICE PELVIMETER**

Aids in the prediction of dystocia in heifers. Instrument consists of 2 cast aluminum arms and a scale graduated in centimeters. Instructions included.  
**C31242 — \$319.99**



**KOW-BALL MARKER**

Marker fits under the chin of the teaser (Gomer) bull. Stainless steel ball bearing marks cows in heat with a nontoxic marking fluid that adheres to the ball and resists drying. Adjustable leather harness.  
**C07026 — \$199.99**

**Marking Ink.** Will last 3–7 days, depending on weather. Gallon.  
**C07034** Yellow  
**C07036** Green  
Each — \$84.99



**GOBLET RACK (CANE) SHUR-BEND MODEL DDS**  
Holds two straw goblets (9 mm or 10 mm). Shelf prevents goblets from slipping.  
**C12471 — \$0.59**



**CUSTOMER FAVORITE**

**J-LUBE BY JORVET**

A versatile, concentrated hand lubricant. Stir into water to form a mild, non-irritating lubricant for obstetrical and palpating purposes. May also be pumped into the uterus as an aid in prolonged “dry” cases of dystocia. 25% polyethylene polymer and 75% dispersing agent. 10-oz. plastic bottle with shaker top makes 6 to 8 gallons.  
**C08175 — \$21.49**



**HR® LUBRICATING JELLY™**

Sterile, greaseless sperm-friendly lubricant. Water soluble. Nonirritating and hypoallergenic. Can double as ultrasound gel. Nontoxic. 4-oz. tube.  
**C31485 — \$3.44**



**PROFESSIONAL LUBE™ LUBRICATING JELLY & PUMP**

All-purpose practical lubricant minimizes irritation to sensitive skin and membranes. Nontoxic. Gallon jug with pump.  
**C30248 — \$37.79**  
**C17341** Gallon — \$29.99  
**C19020** Pump for Gallon — \$12.24

**LONG-TERM SWINE LIQUID SEMEN EXTENDER**

Combined with antibiotics extends storage of semen for 5–7 days. One liter of extender can be used to produce 12–15 insemination doses of approx. 80 ml each. 60 g bag.  
**C11458 — \$10.99**



**IMV PCAI CATHETER**

Inner diameter of foam tip allows user to feel inner catheter pass through end of catheter increasing flexibility. Inner rod is sized to lock with GTB bags, minimizing the occurrence of leaks. Bag of 25.  
**C34240 — \$18.24**



**WHITE SPIRAL-TIP CATHETER**

Molded Melrose-style spiral tip allows insertion without damage to the reproductive tract. Tip made of thermoplastic rubber. 22”L catheter with handle. Pack of 25.  
**C30682 — \$8.49**



**SAFE-LUBE™**

Nonspermicidal breeding lubricant is a nontoxic, highly viscous, gel-like formulation to make palpation easy. **Not recommended for breeding horses.** Water soluble, stainless, colorless, and odorless. Works for vaginal exams and implants, catheters, and stomach tubes. Aids in the birthing process. Ingredients: water, cellulose, 1–2 propanediol, and preservative. Gallon.  
**C25506 — \$17.99**

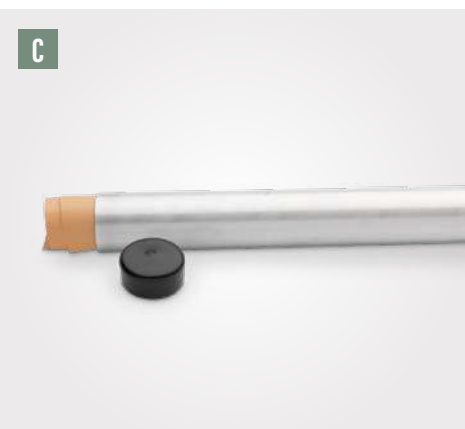


**NASCO ARTIFICIAL INSEMINATION KITS FOR CATTLE**

Everything you need for insemination. The 18½" L x 8" W x 8¾" H stainless steel carrying case conveniently holds one package of paper towels, two 8-oz. plastic squeeze bottles, package of 50 sheaths with blue insert/unslit barb-style insemination gun, one wide-mouth Thermos®, straw cutter, pack of shoulder-length plastic gloves, and an insemination tube carrier with cap.

**Fahrenheit.** Includes thermometer with range of 0° to 220° F. **C11019 – \$499.99**

**Stainless Steel Carrying Case Only.** Durable, 24-gauge polished stainless steel case with full-length piano-stop hinge, heavyweight sturdy latch, and a top-carrying plastic-coated handle. Features a retaining ring to accommodate a Thermos® bottle, a bracket on the opposite side to secure two 8-oz. bottles, and a cradle in front designed to hold a 2" dia. sheath holder. 18½" L x 8" W x 8¾" D. **C28262 – \$469.99**



**Nasco FARM & RANCH**

**A CITO THAW UNITS**

Properly thaw semen to a constant temperature of 95° to 98° F. Tough, ABS noncorrosive plastic. Indicator lights show when ready to use and when maintaining proper temperature. Reinforced nylon hinged lid. Both units have a base, power supply, 6' 120V AC cord, and a 12'L 12V DC cord (for use with a vehicle cigarette lighter). Both also include a lift-out basket and thermometer. 240V available through special order. 12V/120V.

**C34470 Fahrenheit Unit – \$250.00**  
**C34469 Celsius Unit – \$250.00**

**B WIDE-MOUTH THERMOS®**

Safely holds approximately 30 straws during thaw period for easy retrieval of straws after thawing. Pint-sized. Range: 25° to 125° F.

**C11026 – \$23.49**

**C ALUMINUM INSEMINATION TUBE CARRIER**

Long-lasting, lightweight aluminum. Removable plastic slip-over cap with ¾" lip. 1¾" dia. For 16" to 18" tubes (18½"L).

**C28256 – \$35.99**

**D A.I. THERMOMETERS**

Pocket dial thermometers with 1" dia. face, 5" stem, and clip holder. Fahrenheit. Range: 25° to 125° F.

**C11021 – \$16.29**

**E THAW MONITOR**

Used by major breeding organizations. Accuracy and reliability exceeds the dial thermometer. Based on liquid crystal technology, it is essential if you use the warm water thaw method. Easy to use. 4¾" L x 2" H.

**C13407 – \$5.34**

SHOP OUR FULL SELECTION AT  
[NascoFarmandRanch.com](http://NascoFarmandRanch.com)



**KAMAR® HEATMOUNT® DETECTOR FOR COWS**

Invaluable in pregnancy determination and estrus detection. 95% accurate. Apply the small (4½" L x 2" W) plastic detector, with adhesive, over cow's sacrum. Detector remains white until triggered. Pressure from mounting cow's brisket triggers detector and turns it a bright, easy-to-spot red. Includes adhesive. Box of 50.

**C06223(A) – \$81.99**

**Kamar® Adhesive.** For use with Heatmount® detectors above. 4.1 oz.

**C31255 – \$7.54**

**Kamar® QuickStick® Heatmount® Detectors.**

Peel-and-stick. Pressure from the brisket of a mounting animal requires approximately 3 seconds to turn detector from white to red. Box of 40.

**C26954 – \$62.99**



**ESTROTECT™**

Self-adhesive. Keep warm before use, clean the application area before mounting to the animal so that the heat detector will adhere to animal's hair, stick across the backbone, and check for heat in the morning and evenings. Signal layer will begin to show after the first mount. True standing heat can be detected after several mounts. Unequaled accuracy. One application per heat cycle. Friction activated. Works in all weather conditions. Pack of 50.

**C26258 Red/Orange**  
**C26259 Fuchsia**  
**C26260 Brilliant Green**  
**C34761 Yellow**  
**Each – \$82.99**



**SCROTAL MEASURING TAPE**

Full instruction card with a chart of the average scrotal circumference of beef breeds compared by age. Printed in cm. Metal.

**C07790 – \$57.99**



**COMPLETE A.I. KITS FOR CATTLE**

Removable accessories tray and sheath storage compartment in the cover. Includes technician box with tweezer and cutter (listed below), pack of 100 gloves, 12V/120V Cito Thaw Unit (choose kit with either Fahrenheit or Celsius Thaw Unit), two 8-oz. bottles of lubricating jelly, pack of 50 sheaths with blue insert (unslit), and one barb-style insemination gun.

**C34772 Fahrenheit A.I. Kit**

**C34771 Celsius A.I. Kit**

**Each – \$424.99**

**Technician Box Only.** Comes with one straw tweezer and one straw cutter. Convenient outlet hole in lower front side of box allows for plug in and use of Cito Thaw Unit.

**C12560 – \$129.99**



**POLYBOX ARTIFICIAL INSEMINATION KIT**

The perfect starter kit has the best tools for bovine artificial insemination. Includes 3 packs of 50 Alpha sheaths, 2 boxes of 150 sensitive gloves, 1 Kombicolor syringe, and 2 rolls of 80 sanitary sheaths (21").

**C34237 – \$229.99**



**EAZI-BREED™  
CIDR® CATTLE INSERTS**

Progesterone inserts synchronize return to heat and tighten estrus synchronization. Induce fertile estrus, regardless of the stage of cycle. More animals become pregnant in the first two cycles after voluntary waiting period. Improved efficiencies in labor management.

**Eazi-Breed™ CIDR® Cattle Inserts.** Each contains 1.38 g of progesterone in silicone molded over a nylon spine. Pack of 10. Applicator not included. Not for sale in California. **C25746 – \$199.99**

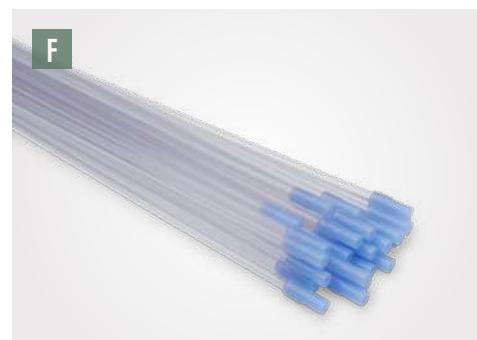
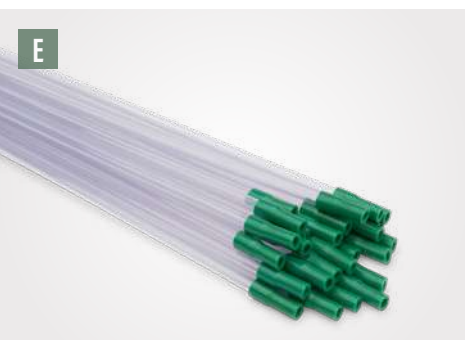
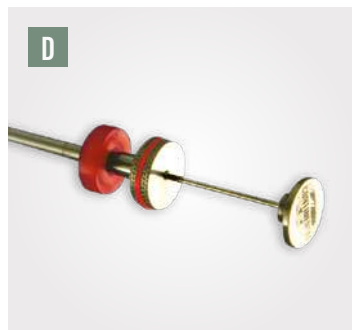
**Cattle Applicators**  
**C25747** Long – \$28.49  
**C28647** Short – \$28.49



**EAZI-BREED™ CIDR® SHEEP INSERTS**

Progesterone inserts that improve the timing and efficiency of any breeding program. Induces fertile estrus. Results in higher pregnancy rate because more animals become pregnant at early breedings. Easier and more accurate heat detection. Improved efficiencies in labor management.

**Eazi-Breed™ CIDR® Sheep Inserts.** Each contains 0.3 g of progesterone in silicone molded over a nylon spine. Pack of 20. Applicator not included. Not for sale in California. **C34959 – \$169.99**



**A ALL-2-MATE® BARB-STYLE INSEMINATION GUN**  
Use ¼ cc and ½ cc semen straws. For use with unslit sheaths. Packaged in a clear protective tube. 18"L. **C31164 – \$44.99**

**B ALL-2-MATE® O-RING INSEMINATION GUN**  
For use with the slit sheath containing a green insert (C25760, listed on p. 97). Designed to use ¼ cc and ½ cc semen straws. 18"L. **C24280 – \$44.49**

**C KOMBICOLOR SYRINGES**  
Syringes are 4 cm longer than conventional A.I. guns (with sheath); the entire length of the sheath is optimized for deeper insemination. Sheath is easily secured and bigger ring fits your fingers better. Fits ¼ cc and ½ cc straws. Best 18/10 stainless steel for trouble-free use. Built to last and easy to clean. Use with unslit sheaths.

	Green	<b>C32134</b>		Red	<b>C32139</b>
	Yellow	<b>C32135</b>		Blue	<b>C32140</b>
	White	<b>C32138</b>			

Each – \$55.99

**D FRENCH-STYLE STRAW GUN**  
Stainless steel gun made with rust prevention. Recommended by both the professional inseminator and the direct herd operator. Made for use with ½ cc straws and slit sheaths (C25756, listed on p. 97). 18"L. **C10989 – \$46.99**  
**Replacement O-Ring.** Pack of 10. **C25755 – \$4.99**

**E NEXT GENERATION™ STERILE INSEMINATION PIPETTES**  
"Flex Tip" offers a secure hold to the syringe tip. Each 22" pipette is individually wrapped and sterilized. Pack of 25. **C19401 – \$15.99**

**F STANDARD INFUSETTE® TUBES WITH ADAPTERS**  
PVC tubes designed for use with many of the common uterine solutions on the market. Tubes feature smooth, round, polished ends. Sterile. Individually wrapped. 0.110" I.D. x 0.196" O.D. Pack of 25. **C17761** 21" tubes – \$22.99  
**C19316** 25" tubes (use with draft horses) – \$21.49

**G UTERINE INFUSION/INSEMINATION TUBES WITH DRILLED ENDS**  
A snug, friction fit is ensured for all syringes with these tubes. Eliminates need for connector adapters. Made from quality, polyvinyl chloride. Smooth, rounded polished ends. Tooled to the following specifications: 0.110" I.D. x 0.215" O.D. Pack of 25 in a zipper closure bag. **C08273** 18"L – \$6.49  
**C13729** 21"L – \$7.39



**UNSLIT SHEATHS (BLUE INSERT)**

**H Sheath with Insert.** For ¼ cc or ½ cc wick and powder straw. Use with gun C31164 (listed on p. 96). Pack of 50. **C25757 – \$5.29**

**Sani-Pak™ Sheath with Insert.** Individually wrapped in a soft plastic sleeve. Can be used as a double-walled insemination device to minimize intrauterine contamination. Bag of 50 unslit sheaths with blue inserts. **C31166 – \$19.99**

**Pushed Insert Sani-Pak™ Sheaths.** Individually wrapped in a soft plastic sleeve that can be used as a double-walled insemination device to minimize intrauterine contamination. Twin tapered. Pack of 50. **C34219 – \$24.99**

**SLIT SHEATHS (GREEN INSERT)**

**I Sheath with Insert.** For ¼ cc or ½ cc wick and powder straw. Use with All-2-Mate® O-Ring Insemination Gun (C24280, listed on p. 96). Pack of 50. **C25760 – \$5.49**

**Sani-Pak™ Sheath with Insert.** Individually wrapped in a soft plastic sleeve. Can be used as a double-walled insemination device to minimize intrauterine contamination. Bag of 50 slit sheaths with green inserts. **C31167 – \$19.99**

**J Pushed Insert Sheaths.** Twin tapered. Includes tube and insert pushed to coned end. **C34218 – \$6.79**

**K DISPOSABLE SHEATH PROTECTOR**

Used as a protective cover on insemination sheaths. Aids against the transfer of contaminants into the uterus during the insemination process. For Continental or French-style sheaths. Pack of 25. **C11050 – \$11.19**

**L FRENCH STYLE SHEATHS (SLIT, WITHOUT INSERTS)**

Use with French-Style Straw Gun (C10989, listed on p. 96) for ½ cc straws. 17½"L. Pack of 50. **C25756 – \$6.29**

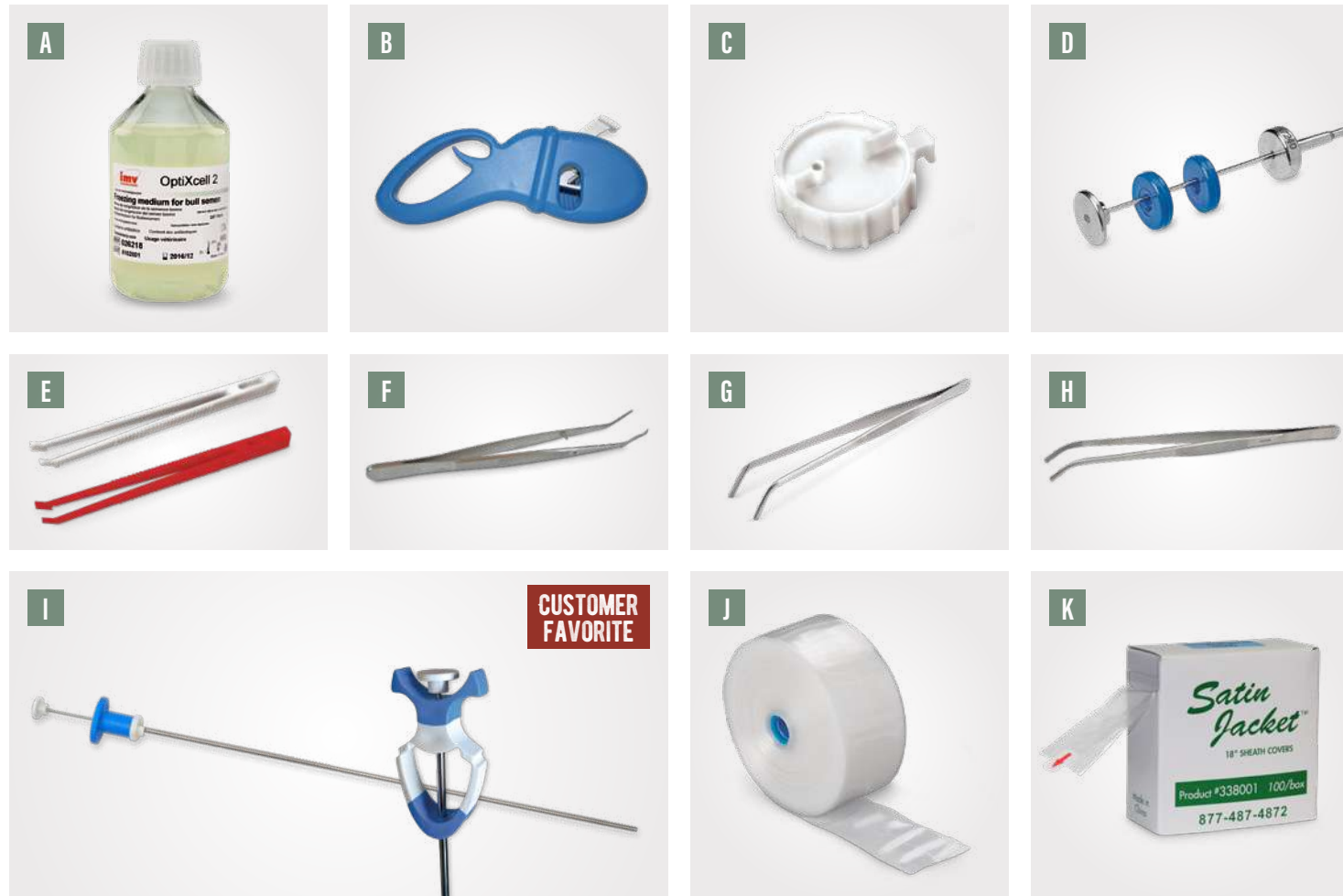
**Individually Packaged French-Style Sheaths (Slit, Without Inserts).** Pack of 50 sheaths individually wrapped. One-piece unit with built-in tip. **C25759 – \$18.49**

**M EMBRYO TRANSFER SHEATHS**

Transfer sheaths with blue metallic tips and 3 mm inside diameter. For mini straws. 21"L. Pack of 5. **C32137 – \$17.99**

**N ALPHA SHEATH (UNSLIT)**

For use with medium and mini straws. Domed head design and flexible shaft facilitates optimum navigation and placement. Dual-lateral side delivery ports aid in semen expulsion. Pack of 50. **C34249 – \$10.99**



**A OPTIXCELL EXTENDER**  
Animal protein-free, one-step bovine semen media for frozen semen preservation. Completely clear, particle-free media for enhanced microscopic and computer-assisted semen analysis evaluation. Enhanced post-thaw motility. 250 ml bottle is concentrated three times, just add water — makes 750 ml of final product. Sterilized through filtration. Liposome-based formula to protect sperm without the sanitary concerns associated with the use of egg yolk. Contains broad spectrum antibiotics — 18-month expiration. Allow extra delivery time. 🐾  
**Z50117 — \$114.99**

**B MINICUTTER FOR SEMEN STRAWS**  
Gives you a precise cut of 0.25 and 0.5 ml straws. Ergonomic shape. Easy to keep clean.  
**C34970 — \$15.49**

**C STRAW CUTTER**  
The push of a button cuts off the proper length. Designed to quickly cut off the sealed end of the semen straw. Made from nylon and stainless steel. Easy to wash; disassembles without tools.  
**C08340 — \$9.95**

**D DEEP CHAMBER EMBRYO TRANSFER SYRINGE**  
Deep chamber syringe for use with 0.25 ml uncut mini straws. 21" L x 3 mm dia.  
**C32133 — \$154.99**

**E POLYESTER STRAW TWEEZERS**  
6¼" tweezers for quick and easy handling of straws. Scientifically shaped, specially grooved tips grip and surround the straw, yet do not crush it. Instrument does not transmit heat or cold.  
**C08341 White, ½ cc — \$5.95**  
**C34468 Red, ¼ cc — \$5.95**

**F SHARPVET ARTIFICIAL INSEMINATION STRAW TWEEZERS**  
Specially designed tweezers for handling freezing straws and transfer straws. Stainless steel. 8" L.  
**C34202 — \$11.99**

**G STAINLESS STEEL 12" STRAW TWEEZERS**  
Designed with notched tips for handling ½ cc or ¼ cc straws. 12" L.  
**C31527 — \$23.49**

**H CURVED SPECIMEN FORCEPS**  
10" L curved forceps of stainless steel. Offset points allow access in hard-to-reach areas. Serrated tips for excellent grip. Deep, knurled shank allows better hold in wet conditions.  
**C34393 — \$7.84**

**I QUICKLOCK UNIVERSAL BOVINE INSEMINATION GUNS**  
Suitable for all types of semen straws and for split and unsplit A.I. sheaths. Plunger is secured against dropping out. 18" L. Made in Germany.

**QuickLock 2000.** After insemination, the semicircular snap is pulled back and the sheath and straw are removed.  
**C32974 — \$48.99**  
**QuickLock Classic.** After insemination, the sheath is released by pressing the white releasing knob on top of the holding ring.  
**C32975 — \$48.99**

**J CONTINENTAL COVERALLS™ SHEATH COVERS**  
Sanitary protection — unroll a bag, slip sheath and gun inside, then advance sheath and gun once inside cow. 21" L. Roll of 80.  
**C31165 — \$12.99**

**K SATIN JACKET™ SHEATH COVERS**  
Tubular bags slip over gun/sheath assemblies to keep them clean as they pass through the vaginal canal. Perforated tips and a perforated slit for looping a finger through to hold in place. Made of an ultra-soft, "satin feeling" material. Dispenser box. 18" cover. 100 per roll.  
**C35740 — \$14.49**

**CUSTOMER FAVORITE**



**MINITUBE ULTRASOUND SCANNER**  
Accurate transabdominal pregnancy detection in pigs and sheep. Measures distance, circumference, area, and volume. Compact, lightweight scanner features an electronic sector probe, 3.5 MHz electronic convex sensor, and 5" TFT-LCD monitor. Includes USB cable, 2 rechargeable batteries, charger, contact gel, and heavy-duty case. Allow extra delivery time. 🐾  
**Z51205 — \$4,249.99**



**MOCCALL CALVING SENSOR**  
Alerts you approx. 1 hour prior to calving so you can assist heifers or cows early on. Accurate in over 95% of calvings. Rechargeable battery holds a charge up to 30 days. On average, it's recommended to have one device per 50 head of cattle. The tail-mounted, noninvasive design is safe and secure. After calving, just move on to the next cow. Works anywhere in the world with GSM. Features an LED status indicator and texts up to two phone numbers to alert you to calving. Adjustable for quick attachment to any size tail. Suitable for all breeds. To set up Mocal, activate the device through an online form or over the phone. Customer support is available if needed, including follow-up training and information calls direct to you.  
**C34322 — \$459.99**

**WORTHINGTON LIQUID NITROGEN REFRIGERATORS**

High-performance, streamlined, lightweight refrigerators with super insulation deliver flexibility, efficiency, and economy. The XT series provides extra-long holding time for a given quantity of liquid nitrogen; HC series provides storage of more semen at liquid nitrogen temperature. Allow extra delivery time. 🐾

Specifications	Model XT10	Model VHC35
<b>Liquid Nitrogen Capacity</b>	10 liters	35 liters
<b>Static Holding Time (when shipped from factory)</b>	100 days	130 days
<b>Normal Field Working Duration</b>	62 days	81 days
<b>Evaporation Rate (liters/day)</b>	0.10 liters	0.27 liters
<b>Weight Full</b>	34.3 lbs.	100.2 lbs.
<b>Neck Diameter</b>	2" (51 mm)	4.7" (119 mm)
<b>Overall Height</b>	23.8" (569 mm)	26.8" (681 mm)
<b>Overall Diameter</b>	11.4" (605 mm)	18.8" (478 mm)
<b>Number of Canisters</b>	6	6
<b>Canister Diameter</b>	1.5" (38 mm)	3.71" (94 mm)
<b>Canister Height</b>	11" (279 mm)	11" (279 mm)
<b>Ampule Capacity</b>	180	1,260
<b>Straw/Vial Capacity</b>	540 (50 cc straws in 13 mm goblets)	3,000 (50 cc straws in 13 mm goblets)
<b>Warranty on Vacuum</b>	5 years	5 years
<b>Product No.</b>	<b>Z42003</b>	<b>Z09357</b>
<b>Price</b>	<b>\$999.99</b>	<b>\$2,499.99</b>



**LIQUID NITROGEN LEVEL MEASURING ROD**  
For use with LN<sub>2</sub> dewars and refrigerators. 36" L.  
**C35313 — \$11.79**

SHOP OUR FULL SELECTION AT  
**NascoFarmandRanch.com**



**SHOULDER GUARD**  
Quick-release buckles. Elastic arm band with hook-and-loop strap allows it to fit large arms. Machine wash and dry. Waterproof nylon.  
**C29334** Left Shoulder  
**C29335** Right Shoulder  
Each — \$37.99



**SUPER TOUCH SHOULDER GLOVE**  
Neck strap keeps the glove in place and the shoulder covered. Polyethylene. Large. Box of 50.  
**C27260** — \$34.99



**NASCO SHOULDER-LENGTH GLOVES**  
Shoulder-length 1/4-mil gloves with watertight, strongly welded seams. Universal size. Single use only. Dispenser pack of 100.  
**C06271** — \$20.49



**NASCO SUPERSENSITIVE™ SOFT SHOULDER GLOVES**  
Polyethylene is extremely sensitive and stretches for a perfect fit. 35"L x 1-mil thick. Box of 100.  
**C17346** — \$23.49



**NASCO FINGERLESS MITTS**  
1-mil polyethylene film with welded side seams that won't split. Approximately 30"L. Dispenser pack of 100.  
**C06236** — \$21.99



**SUPERSENSITIVE™ SHOULDER-LENGTH GLOVES**  
Shoulder-length, high-quality, soft polyethylene gloves provide exceptional tactile sensitivity, and strength to stretch without tearing. Large hand size with 45° thumb. 1-mil thick. 36"L. Dark blue. Box of 100.  
**C34981** — \$24.99



**RED BREEDER'S SLEEVES**  
Affordable and high-quality. Strong, smooth seams for strength and sensitivity. 36"L x 1-mil thick. Red. Box of 100.  
**C29336** — \$23.29



**SHOULDER-LENGTH ARTIFICIAL INSEMINATION GLOVE**  
Blue 34" with regular hand and smooth seams. 1-mil thick. Box of 100.  
**C30309** — \$13.29



**APE BAND-A-SLEEVE®**  
Tired of shoulder-length gloves sliding down your arm? APE Band-A-Sleeve® addresses this problem by incorporating an elastic band at the top to help hold sleeve up. Clear. 35"L x 1.25-mil thick. Bag of 100.  
**C29820** — \$17.99



**NASCO SHOULDER GLOVES**  
0.85 mil thick, 34" L gloves have a supreme feel and flexibility to maximize user dexterity. Durability of thicker gloves with sensitivity of super-sensitive gloves. Raspberry color. Box of 100.  
**C26676** — \$19.99

**MILKER'S HELPERS NITRILE LOW-POWDER GLOVES**  
Low-powder, latex-free disposable glove with textured fingers made of a unique blend of synthetic nitrile for stronger, longer, superior, puncture-resistant protection. For milk house, including use with pre-dip, post-dip, and udder rub. 9 1/2"L glove features a 4-mil beaded cuff, 5-mil thick palm, and 6-mil fingers. Box of 100.  
**C29632** Small  
**C29633** Medium  
Box — \$30.95  
**C29634** Large  
**C29635** X-Large



**A NITRILE GLOVES - MEDIUM**  
6-mil thick, powder-free, latex-free gloves are lightly textured with a rolled hem for easy removal. Hypoallergenic. Ambidextrous. Nonsterile. Box of 100.  
**SB48873** — \$24.95

**B NITRILE POWDER-FREE/LATEX-FREE GLOVES**  
100% synthetic nitrile polymer. Latex free, powder free, and odor free. Thermal sensitive, polymer compound absorbs heat and conforms to hands. 5-mil thick. Box of 100 for small, medium, and large; box of 90 for X-large.  
**C20030** Small  
**C20031** Medium  
Box — \$19.95  
**C20032** Large  
**C20033** X-Large

**C PLASTIC POWDER-FREE DISPOSABLE GLOVES — WRIST LENGTH**  
Perform like a second skin, for a free-moving, sensitive touch. 1/4 mil-plastic. Box of 100 large gloves.  
**C06281** — \$8.95



**D VINYL POWDER-FREE DISPOSABLE EXAM GLOVES**  
Made from a special synthetic component and soft PVC material. Soft like premium leather. More elastic to fit snugly and comfortably. 4 mil. Box of 100 for sizes small, medium, and large; box of 90 for size X-large.  
**SB50313** Small  
**C31840** Medium  
Box — \$12.95  
**C31841** Large  
**C31842** X-Large

**E BLACK NITRILE GLOVES**  
Ultra soft and super flexible. Simulates fit and feel of latex gloves. Masks stains, inks, dyes, and grease while allowing quick identification of light-colored substances. Finger thickness: 4.3 mm. Box of 100.  
**SB49978** Small  
**SB49979** Medium  
**SB49980** Large  
**SB49981** X-Large  
Box — \$24.95



**F LATEX POWDER-FREE EXAM GLOVES**  
Manufactured with light chlorination rinse, these gloves maintain a nonslip, tacky surface for excellent grip in both dry and wet applications. 4 mil thick. Box of 100 gloves for medium and large; box of 90 for X-large.  
**C31908** Medium  
**C31909** Large  
**C31910** X-Large  
Box — \$16.95

LOOKING FOR  
BOOT COVERS?  
FLIP TO PAGE 102



C23408



C24292

**ENTRANCE DISINFECTANT MATS**

Place at entrance to hog enclosures; poultry houses; dairy barns; milk houses; or fruit, vegetable, or grain storage facilities to disinfect boots and shoes before entering. Tough poly mesh over a foam core with non-permeable bottom and sides to contain the disinfecting solution. When filled, mat repels dirt and stays effective for approximately 1 week before it should be lifted, rinsed, hung overnight to drain, and refilled the next day. Deep enough to disinfect, yet shallow enough not to soak the feet. Use on a smooth, level surface. Not recommended for commercial use. Do not use chlorine or bleach.

**MiniMat.** 18" x 18" x 1"D. Holds 1 gallon of solution. **C23408 — \$52.99**

**Entrance Mat.** 34" x 24" x 1"D. Holds 2 gallons of solution. **C24292 — \$149.99**



**ELASTIC-TOP BOOT**

Embossed polyethylene with an elastic top to keep the boot up. Fits men's shoe size up to 13. Light duty, 3-mil thick. 19½"H. Color may vary, no choice. Bag of 50. **C23472 — \$25.99**



**CUSTOMER FAVORITE**

**ELAST-A-BOOT®**

Convenient elastic-topped lightly embossed texture. 17"H x 6-mil thick. Fits men's shoe size up to 12. Do not use on snow or ice. Blue. Box of 50. **C24395 — \$23.79**



**TREADER® DISPOSABLE BOOTS**

Sole with tread for extra grip on unsure, slippery surfaces, and for extra durability in heavy wear areas. Elastic cuffs at the top. Box of 40. **C32977 X-Large — \$42.99**  
**C32978 Jumbo — \$45.99**



**PLASTIC TIE BOOTS**

Handy tie closure. Polyethylene plastic. Box of 50 (25 pair). **Regular.** 14½"L x 18"H. **C12169 4 mil — \$24.79**  
**C13316 6 mil — \$29.99**  
**Nasco Big Boot.** 16"L x 21"H. **C14019 4 mil — \$26.99**  
**C17348 6 mil — \$35.99**  
**Jumbo Boot.** 18¾"L x 21"H. Perfect over extra-large work shoes or winter boots. 4 mil. **C21039 — \$37.99**



**KEY INDUSTRIES' MEN'S LONG-SLEEVED UNLINED TWILL COVERALLS**

Coveralls feature a leg zipper to the knee, allowing you to slip over boots or shoes easily. Wrinkle-resistant, stain-repellent finish. Two-way front zipper, adjustable snap cuff, snap closure at neck, 6 pockets including zipper chest pockets, bi-swing back, oversized utility pocket, pocket pass through, pencil pocket on sleeve, elastic waist take-up, wide-leg, and hammer loop. 30" inseam. 8½-oz. 55% cotton/45% polyester. Navy. Fabric imported. **C29287(B) Medium (38/40)**  
**C29287(C) Large (42/44)**  
**Each — \$74.99**

**C29287(D) X-Large (46/48)**  
**C29287(E) XXL (50/52)**



**KEY INDUSTRIES' MEN'S SHORT-SLEEVED LIGHTWEIGHT POPLIN UNLINED COVERALLS**

Two-way nylon zipper, 6 pockets, action back, and elastic waist. 30" inseam. 5¼-oz. 55% cotton/45% polyester. Navy. Fabric imported. **C29293(B) Medium (38/40)**  
**C29293(C) Large (42/44)**  
**C29293(D) X-Large (46/48)**  
**C29293(E) XXL (50/52)**  
**Each — \$48.99**



**DISINFECTANT DOORWAY MAT**

Door mat will hold up to 42¼ qts. (40 liters) of solution. 35½" x 23½" x 1½". **C35131 — \$94.99**



**WIRE CRATES**

Great for dogs, cats, and fair projects. Removable tray for easy cleaning. Includes double doors and a divider panel. Easily folds.

**Large.** 36" x 24" x 27". **C26473 — \$129.99**  
**Extra-Large.** 42" x 27" x 30". **C26474 — \$149.99**



**MCCULLOCH MEDICAL™ CALF ASPIRATOR/RESUSCITATOR KIT**

Clear respiratory passages and pump air into a struggling newborn's lungs. Ideal for animals requiring resuscitation in post-trauma, drowning, or smoke-inhalation. Simple, convenient instrument aspirates on one end and resuscitates on the other, delivering an appropriate volume of air with or without oxygen. Can be matched with a variety of aspirator/resuscitator mask sizes. Only one person is needed to operate system using simple push-pull action. Safe, effective, and humane — eliminates traditional revival methods such as shaking or swinging. Pumps and masks are long lasting and durable — accompanied by a 2-year replacement warranty. Clean in 1:20 solution of bleach and water. Includes aspirator/resuscitator pump, aspirator mask, resuscitator mask, instructions, and soft carry bag. **C25879 — \$139.99**



**STANFIELD® HEAT PADS WITH POWER CONTROL**

Provides a uniformly warm surface that is 30° F to 35° F above air temperature. 100% water resistant and flame retardant. May be power washed or submerged for cleaning with unit unplugged. ¾"-thick fiberglass-reinforced plastic. Non-slip and suitable for all flooring types outdoors, in barns, and in whelping boxes. 10' electrical cord. Certified to UL, CSA, CE, IEC, and PSE electrical safety standards. 110/120V. 1-year limited warranty. **2' x 3'. 160 watts. C26265 — \$404.99**  
**2' x 4'. 200 watts. Allow extra delivery time. C26264 — \$429.99**



**MCCULLOCH MEDICAL™ ONE PUFF™ PUPPY & KITTEN ASPIRATOR/RESUSCITATOR**

Clears breathing pathways and stimulates the first breaths of newborn puppies, kittens, and other small animals. Aspirator pump "A" administers a safe vacuum suction to remove mucus. Resuscitator pump "B" provides a small release of air to stimulate respiratory response. Uses a controlled amount of air (5–10 ml). Resuscitator pump "B" features ability to be attached directly to oxygen. Resuscitator mask "B" can be detached and used as an oxygen and/or anesthesia mask. Includes aspirator pump/mask labeled "A," resuscitator pump/mask labeled "B," instructions, and carrying case. **C32885 — \$209.99**



**VET TECH SURGICAL INSTRUMENT KIT WITH IDENTIFICATION FLASH CARDS**

Includes 29 of the most common instruments with display case and flash cards. Kit includes alligator forceps, Adson thumb tissue forceps, Babcock tissue forceps, Allis tissue forceps, bone chisel, Backhaus towel clamps, Brown-Adson thumb forceps, bone curette, Crile forceps, cold sterile tray, Gelpi retractor, DeBakey vascular thumb

forceps, Kelly Forceps, Halsted mosquito hemostatic forceps, Littauer suture removal scissor, Lister bandage scissor, Mayo-Hegar needle holder, Mayo dissecting scissors, Metzenbaum dissecting scissors, Olsen-Hegar needle holder, Rochester-Carmalt hemostatic forceps, rat tooth thumb forceps, Rochester-Pean forceps, Rochester-Ochsner forceps, Russian thumb forceps, Snook ovariohysterectomy hook, Tenotome knife, Weitlaner retractor, and wire suture cutting scissors. Includes care and handling instructions.

**C33788 – \$429.99**

**Vet Tech Surgical Instrument Flash Cards.** Deck includes 29 cards, each with an image and description of the most important and common surgical instruments, such as alligator forceps, bone chisel, Gelpi retractor, Kelly forceps, Tenotome knife, and more.

**NE40096 – \$30.49**



**GENERAL SURGERY BASIC KIT**

This 20-piece kit includes 1 each of #3 scalpel handle, 6¾" straight Mayo scissors, 7" Snook ovarioectomy, 7" curved Metzenbaum scissors, 7x7 teeth Brown-Adson forceps, 5½" Olsen Hegar needle holders, and sterilization case; two 5½" straight Kelly hemostatic forceps; three 5" curved mosquito hemostatic forceps; and 4 each of 6¼" curved Rochester Carmalt forceps and 5¼" Backhaus towel clamps. Includes care and handling instructions.

**Z48512 – \$729.99**



**LARGE ANIMAL VETERINARY KIT**

Contains a canvas roll case with two pockets; 6¼" stainless steel Peans hemostat; 5½" stainless steel Kelly hemostat; No. 3 stainless steel scalpel handle; 6 No. 10 and No. 11 scalpel blades; 4½" stainless steel iris scissors; 5½" stainless steel operating scissors; 5½" chrome, straight, medium-point forceps; 4½" chrome, straight, fine-point forceps; 2½" double-prong flesh hooks; 5¼" section lifter; 6" chrome probe and seeker; 6" celluloid ruler; and 2 metal straight dissecting needles.

**SA01129 – \$34.95**



**SURGICAL KIT**

Stainless steel instruments. Includes 5½" thumb forceps, 5½" tissue forceps, 6" Mayo-Hegar needle holder, 5" Halsted mosquito, 4½" straight iris scissors, scalpel handle, 5½" straight operating scissors, 5½" Littauer stitch, 5½" Lister bandage scissors, and 10 Sharpex surgical blades.

**C28317 – \$29.99**



**DISSECTING KIT**

This 9-piece kit includes 4½" dissecting scissors, 4" dissecting scissors, 5½" dissecting forceps, 4" micro dressing forceps, #4 knife handle, straight teasing needle, angled teasing needle, #22 surgical blade, care and handling instructions, and roll-up canvas case.

**C33789 – \$41.95**



**PORCELAIN VET TRAY**

For your surgical scalpels, needles, or other veterinary instruments (not included). Porcelain finish. 11" x 15".

**9713012 – \$21.55**



**VETERINARY TOWELS**

Highly absorbent, cloth towels are ideal for veterinary use. 100% cotton. 16" x 28". Washable. Pack of 12.

**C19070 – \$35.99**



**A**



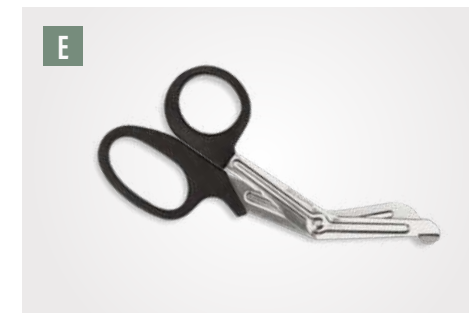
**B**



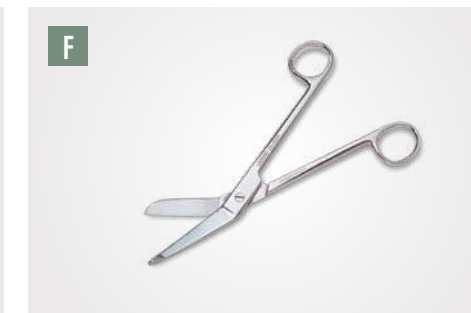
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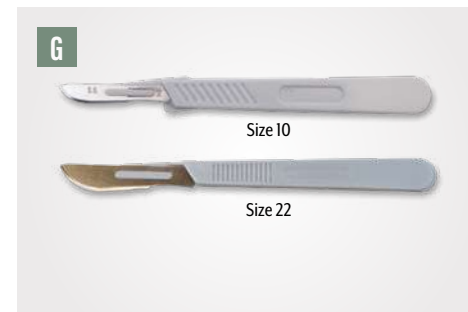
**D**



**E**



**F**



**G**



**H**



**I**



**J**

FOR SUTURES AND BANDAGING, SEE PAGE 113  
OR SHOP OUR FULL SELECTION AT  
**NascoFarmandRanch.com**

**A KELLY HEMOSTATIC FORCEPS**

Stainless steel with satin finish. 5½"L.  
**C27278 – \$6.29**

**B SURGICAL SCISSORS**

Straight surgical scissors with sharp/blunt tips. 6½"L.  
**C32341 – \$59.99**

**C OLSEN HEGAR NEEDLE HOLDER**

Stainless steel, 6½"L. Flat shank jaws, serrated. Ratchet-lock handle.  
**C00880 – \$9.89**

**D MAYO HEGAR NEEDLE HOLDER**

Highly polished stainless steel. Box-lock narrow jaw, serrated and indented. Ratchet-lock handle. 6"L.  
**C00879 – \$9.69**

**E ALL-PURPOSE SHEARS**

Stainless steel, fully hardened, with serrated nonslip cutting edge and plastic contoured handles. Autoclave up to 320° F. 8"L.  
**C09827 – \$5.09**

**F LISTER BANDAGE SCISSORS**

Surgical-grade stainless steel. Satin finish to reduce glare.

**C19071 7¼"L – \$9.29**  
**C31429 5½"L – \$8.49**

**G SHARPEX DISPOSABLE SCALPELS**

A great alternative to similar, higher-priced scalpels. Stainless steel blades. Single use. Box of 10.  
**C31425 Size 10 – \$8.99**  
**C31426 Size 22 – \$8.99**

**H STERILE DISPOSABLE SCALPELS**

Easy-to-use, sterile, and disposable. Stainless blade on plastic handle. Lightweight, No. 22 scalpel has a tapered handle and a thumb or finger rest for greater control. 6¾"L. Not autoclavable. Includes replaceable cover for blade protection. Box of 10.  
**C10931 – \$11.99**

**I SNOOK OVARIECTOMY HOOK**

7"L (17.7 cm).  
**C32347 – \$54.99**

**J BROWN ADSON TISSUE FORCEPS**

Surgical-grade stainless steel with 7x7 teeth. 4¾"L.  
**C19072 – \$10.89**



**AG-MEDIX ANIMAL THERMOMETER**

Records temperature in 7 seconds. Water-resistant. Reliable in harsh environments. Perfect for cattle, equine, and medium-sized animals. Armband/belt mount holster. Programmable alarm. Backlit LCD screen. Waterproof probes. Accuracy:  $\pm 0.1^\circ$  F. Stores up to 25 peak temperatures. Rechargeable lithium battery gives 2-3 days of typical use on 1 charge. 2 $\frac{3}{4}$ "L x 5"W x  $\frac{3}{4}$ "H.

**C33878 – \$419.99**

**Replacement Angled Probe**

**C34126 – \$129.99**



**SPECTRUM® DUAL-HEAD STETHOSCOPE**

Chrome-plated binaural, lightweight anodized-aluminum chest piece (1 $\frac{3}{4}$ " dia.), 22" vinyl Y-tubing, spare diaphragm, and a pair of soft ear tips. 30"L.

**C12316 – \$13.99**



**DUAL STETHOSCOPE**

Dual head swivels for cardiac exams and breathing auscultation. 30"L.

Colors may vary.  
**C34260 – \$29.99**



**COMPLETE OTOSCOPE/OPHTHALMOSCOPE SET**

Includes an otoscope and ophthalmoscope in a black leather carrying case. Otoscope comes with 3 specula and magnified glass lens (5X magnification). Ophthalmoscope has an alligator forceps and speculum. Requires 3 "C" batteries (not included). For replacement specula tips, visit [NascoFarmandRanch.com](http://NascoFarmandRanch.com).

**C35342 – \$269.99**



**VETERINARY MINI FIBER OPTICS OTOSCOPE**

Fiber optics otoscope with 3 specula in a pouch. Specula sizes: 9 x 29 mm, 10 x 29 mm, and 11 x 29 mm. 3V LED bulb. For veterinary use only; not for use on humans. For replacement specula tips, visit [NascoFarmandRanch.com](http://NascoFarmandRanch.com).

**C34695 – \$54.99**

**OPHTHALMOSCOPE**

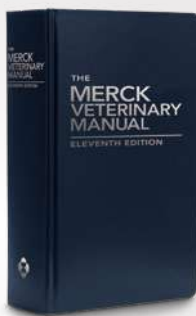
Diopter wheel with 23 corrective lenses: plus 1, 2, 3, 4, 5, 6, 8, 10, 15, 20, 25; and minus 1, 2, 3, 4, 5, 6, 8, 10, 12, 15, 20, 25. Easy to operate aperture hand wheel with semicircle, small/medium circle fixation star, slit, and red-free filter. Optimized high-performance optics with aspherical condenser lens. Parallel beam path. Dust proof. 3.5V xenon lamp. Requires 2 "AA" batteries (not included).

**C34958 – \$129.99**

**THE MERCK VETERINARY MANUAL**

A two-column format and use of color throughout make the text and tables easy to read. Color images enhance and illustrate text. This edition includes expanded coverage of exotics, material on zoonoses, and up-to-date chapters on new and emerging topics in veterinary medicine. 3,225 pages.

**C26853 – \$84.99**



**LARGE ANIMAL DIGITAL THERMOMETERS**

Oral and rectal digital thermometers. Reads accurately. Wide and easy-to-read display window. Rounded tips.

9". With 5"L probe.

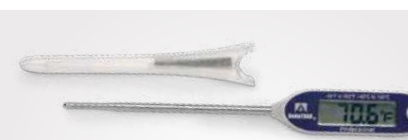
**C31434 Fahrenheit – \$19.49**

**C31436 Celsius – \$19.49**

7". With 3"L probe.

**C31433 Fahrenheit – \$28.29**

**C31435 Celsius – \$27.99**



**QUICKTEMP DIGITAL THERMOMETER**

Fast readout. Round-tip probe. Wide temperature range. Display-hold feature. Instant Fahrenheit/Centigrade conversion capabilities. Reads in 10ths of a degree with  $\pm 1^\circ$  accuracy across 40° F to 311° F range. Auto updates every second. 10-minute auto shutoff.

**C15624 – \$46.99**



**A BRAUNAMID SUTURE**

Polyfil sutures are considerably more flexible than monofil. Size 2 USP. Consists of a large number of fine twisted strands covered by a smooth, seamless, homogeneous polyamide cover. Knot-pull tensile strength substantially exceeds USP requirements. Knot-holding is excellent because of its inner poly-filament. Noncapillary. Sterilized. Meets requirements set by U.S. government. 50 meters.

**C28557 – \$56.99**

**B EQUINE BROWN CLING GAUZE**

3" x 5 yds. 100% pure cotton in fine 24 x 17 mesh. Pack of 12 rolls.

**C25377 – \$10.94**

**C ELASTIC ADHESIVE BANDAGE TAPE**

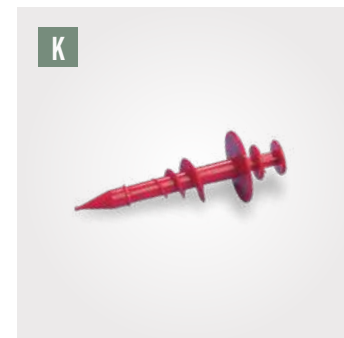
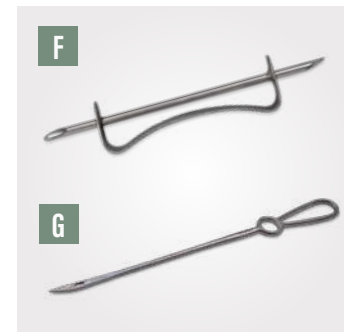
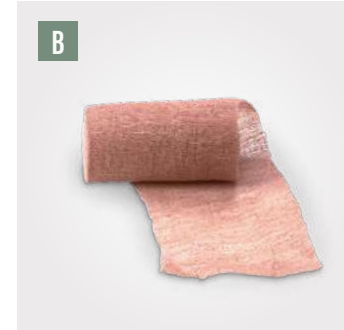
Stretchable woven fabric tape with red centering line to help make wrapping easier. Box of 4 rolls; each 3" x 5 yds.

**C28578 – \$29.99**

**D SPONGE GAUZE**

100% pure cotton in 20x12 mesh is fully bleached. Meets USP standards. Bag of 200 sponge gauze squares (each 4" x 4").

**C28573 – \$8.74**



**E WRAPID-CUT™**

Cut and remove bandages. Can be used on most standing cows, eliminating the need for bandage removal by restraint. Recessed cutting blade, enclosed within a guarded frame.

**C32963 – \$13.49**

**F TRANSFER NEEDLE**

Use to mix medicines with sterile water. Double pointed. Stainless steel. 14 gauge x 3".

**C26286 – \$2.24**

**G DR. BUHNER NEEDLE**

Stainless steel prolapse needle. 12"L.

**C31443 – \$14.19**

**H GESTATION WHEEL CALENDARS**

Determine birthing dates. 8 $\frac{1}{2}$ " x 8 $\frac{1}{2}$ " with a hole punched in top corner for hanging. Water-resistant. Plastic.

**C25168 Cattle**

**C25170 Sow**

**C25171 Equine**

**Each – \$12.24**



**I MODIFIED TROCAR/CANNULA**

Used in conjunction with toggle sutures (not included) to perform the Grymer/Sterner method for nonsurgical percutaneous fixation of left displaced abomasum (LDA).

**C28569 – \$54.99**

**J CATTLE TROCAR**

Complete with cannula, hollow tube remains when trocar is withdrawn to allow gas to escape. Metal handle. Tube is 3"L with  $\frac{1}{4}$ " I.D. Total length: 6 $\frac{1}{2}$ ".

**C00308 – \$21.19**

**K KRUISE RED DEVIL TROCAR**

KRUISE pattern. Plastic cannula and stiletto. 4 $\frac{5}{16}$ "L (110 mm).

**C30705 – \$27.49**

**L DA TOGGLE SUTURE**

Used in the Grymer/Sterner method for nonsurgical percutaneous fixation of the left displaced abomasum (LDA). Pair.

**C28570 – \$18.49**

**M SUTURE KIT**

Ethicon size 2-0 coated Vicryl (violet braided); 27" (7 cm) with a taper, CP-1 needle; sterile, synthetic, and absorbable suture.

**C30642 – \$16.99**





C29518

**DISPOSABLE STERILE SYRINGES WITHOUT NEEDLES**

Luer-slip syringe with polypropylene barrel and plunger with rubber tip. Compatible with Luer-lock needles.

**3 cc.** Graduations: 1/10 cc. Box of 100.  
**C15780 — \$13.79**

**12 cc.** Graduations: 3/10 cc. Pack of 3.  
**C29518 — \$1.99**

**20 cc.** Graduations: 1 cc. Box of 50.  
**C11879 — \$24.29**



**IN-JECT DISPOSABLE SYRINGES**

Luer-lock or Luer-slip.

Product No.	Description	Size	Box	Price
C35207	Luer-lock	3 cc	100	\$13.59
C35209	Luer-lock with 22-ga. x 3/4" needle	3 cc	100	\$18.99
C35210	Luer-lock with 22-ga. x 1" needle	3 cc	100	\$18.49
C35211	Luer-lock	6 cc	100	\$16.99
C35212	Luer-lock	12 cc	100	\$21.49
C34882	Luer-lock with 18-ga. x 1" needle	12 cc	100	\$23.99
C35213	Luer-slip with 20-ga. x 1" needle	12 cc	100	\$23.79
C35214	Luer-lock	20 cc	50	\$16.49
C35216	Luer-lock	35 cc	50	\$24.39
C35217	Luer-lock	60 cc	25	\$19.69
C35218	Catheter tip	60 cc	25	\$24.99

**NOTE:** The sale of disposable syringes and needles is controlled in the state of New York. We are unable to ship to individuals who do not have a Certificate of Need. The Certificate of Need is available by writing to: Bureau of Narcotic Enforcement | 433 River Street Suite 303 | Troy, NY 12180. Call 1.866.811.7957 to request faxed forms. Please include your Certificate of Need number with your mail order; if ordering by phone you must state your Certificate of Need number for verification.

**LUER-LOCK NEEDLES FOR DISPOSABLE SYRINGES**

Luer-lock. Fit Monoject disposable syringes, as well as any other syringes. Sterile, disposable.

**Polypropylene Hub.** Pack of 6.

- C33185 16 gauge x 1"
- C29519 18 gauge x 1"
- C33188 18 gauge x 1 1/2"
- C33189 20 gauge x 1/2"
- C29522 20 gauge x 1"
- C29523 20 gauge x 1 1/2"

Pack — \$1.29



**Polypropylene Hub.** Box of 100.

- C33191 16 gauge x 1"
- C33192 16 gauge x 1 1/2"
- C33193 18 gauge x 3/4"
- C33194 18 gauge x 1"
- C33195 18 gauge x 1 1/2"
- C33196 20 gauge x 1/2"
- C33197 20 gauge x 3/4"
- C33198 20 gauge x 1"
- C33199 20 gauge x 1 1/2"

Box — \$8.19



**Aluminum Hub.** Pack of 6.

- C29521 16 gauge x 1"
- C29520 16 gauge x 1 1/2"

Pack — \$2.89



**IN-JECT ALUMINUM HUB NEEDLE**

Single-use hypodermic needles with aluminum hubs packaged in individual sterile cartridges that are color-coded by gauge. Tri-beveled, ultra-sharp, anti-coring. Stainless steel cannula is cut to a lancet point. Disposable. Box of 100.

- C33175 14 gauge x 2"
- C33176 16 gauge x 1"
- C33177 16 gauge x 1 1/2"
- C33178 18 gauge x 3/4"
- C33179 18 gauge x 1"
- C33180 18 gauge x 1 1/2"
- C33181 20 gauge x 1/2"
- C33183 20 gauge x 1"

Box — \$22.99



**DETECTABLE NEEDLES™**

Detectable alloy in the cannula allows needle to be detected in metal detection systems while maintaining their stainless steel classification. Address packer HACCP and quality assurance programs. Pack of 100.

- C33215 16 gauge x 3/4"
- C33216 16 gauge x 1"
- C33217 18 gauge x 1"
- C33218 20 gauge x 1"

Pack — \$64.99



**DISPOSABLE SYRINGES WITH NEEDLES**

Polypropylene, sterile needles can be autoclaved in their sealed polypropylene containers. Luer-lock tips. 1" needle length.

- 3 cc.** 20 gauge, 1/10 cc graduation. Box of 100.  
**C04124 — \$11.59**
- 12 cc.** 18 gauge, 3/10 cc graduation. Pack of 3.  
**C29517 — \$2.29**



**A SIMPLEX INTRAVENOUS SET**

Plastic flow regulator and needle. Plastic funnel with air vent and 7/2" tubing fits standard 500 ml bottles. Includes a 14-ga. x 2" stainless steel aluminum hub needle. Reusable silicone-based plastic.  
**C30652 — \$12.49**

**B NJ PHILLIPS PLASTIC SEMI-AUTOMATIC REPEATER SYRINGES**

Fingertip action. Built-in needle magazine.  
**25 ml.** Adjustable dosage settings of 0.5 ml to 2.5 ml.  
**C31367 — \$74.99**  
**50 ml.** Adjustable dosage settings of 1 ml to 5 ml.  
**C31360 — \$74.99**

**Barrel Kits with O-Rings for Plastic & Metal Repeaters.** Works with both metal and plastic repeaters by NJ Phillips. 50 ml kit.  
**C31365 — \$36.99**

**C HAUPTNER AUTOMATIC MULTIDOSAGE SYRINGES**

Dosages: 1 to 5 cc. Aluminum body. Stainless steel plunger rod. Glass barrel.  
**C03828** 30 cc syringe — \$154.99  
**C29541** 50 cc syringe — \$154.99  
**Replacement Parts for 30 cc Syringe.** For C03828, above. Rubber packings. Set of 4.  
**C03286 — \$11.99**  
**Replacement Parts for 50 cc Syringe.** For C29541, above.  
**C29540** Glass barrel — \$8.49  
**C03286** Rubber packings. Set of 4. — \$11.99

**D 50 CC PRO-SHOT™**

Durable, economical 50 cc pistol-grip syringe. Lightweight frame, handle, and major components. Forward pitch allows for a more natural motion while injecting and lessen the degree of tissue damage. Rear dose selector with 1 cc to 5 cc increments.  
**C24310 — \$36.99**

**E ALLFLEX® ULTRA PRECISION SYRINGES**

Accurately deliver a preselected dose ranging from 0.5 to 2.5 ml for 25 cc syringe and 1 to 5 ml for 50 cc syringe. Chrome, metal, and Lexan. For Luer-lock needles.  
**C16505** 25 cc syringe — \$104.99  
**C15244** 50 cc syringe — \$109.99  
**O-Ring Replacement**  
**C15244(A)** 50 ml — \$3.84  
**Barrel & O-Ring Replacement**  
**C15244(C)** 50 ml — \$22.79

**F ARDES PLASTIC SYRINGES**

Unbreakable plastic syringe. Designed for one-hand operation. Metal plunger rod. Uses Luer-lock needles.  
**C15631** 10 cc — \$10.79  
**C15632** 20 cc — \$10.89  
**C15633** 50 cc — \$13.49



**ALLFLEX® ULTRA PRECISION DRAW SYRINGES**

Ergonomic. Easy grip for high-volume use. Amber barrel protects vaccines and antibiotics from UV sunlight. Include draw hose and bottle-mount connector. ¼" I.D.

**C26055** 10 ml – \$124.99

**C26056** 20 ml – \$129.99



**6 ML PRIMA TECH ADJUSTABLE-DOSE DRAW SYRINGE**

Steel needle nib. Hanging hook. Fully adjustable dose dial. Number increments printed on barrel. Quick-change Luer-lock needle nut. Medical-grade tubing. 20 mm, 30 mm, and 33 mm draw-offs.

**C25395** – \$59.99



**LABELVAGE 600 ML DRENCH GUN**

Ideal for dosing larger animals. Durable plastic body with a curved metal drenching nozzle. 600 ml drencher is adjustable by 50 ml increments and has a replaceable O-ring.

**C28394** – \$149.99



**DR. REGISTER'S 300 CC DRENCH GUN**

Contoured grip reduces fatigue. Durable, high-impact materials. Features a nonstick coated O-ring, long-wearing nylon nozzle, and adjustable metering limiter.

**C29354** – \$139.99



**ALLFLEX® BOTTLE-FEED SYRINGES**

Heavy-duty bottle cage for bottle protection; an easy-to-use, comfortable V-grip; removable barrel for easy cleaning; and durable plastic design.

**2 ml.** Adjustable dosage from 0.25 ml to 2 ml.

**C28791** – \$32.99

**5 ml.** Adjustable dosage from 0.5 ml to 5 ml.

**C28790** – \$32.99



**ALLFLEX® BOTTLE-FED SYRINGE WITH UNIVERSAL BOTTLE ADAPTER**

Automatic, self-filling syringe with 5 color-coded universal bottle adapters that enable multi-size bottles to fit on syringe. Metal Luer-lock tip. Removable barrel. Plastic. Barrel color reduces UV sunlight exposure.

**2 ml.** Adjustable dosage: 0.25 ml to 2 ml.

**C33512** – \$43.99

**5 ml.** Adjustable dosage: 0.5 ml to 5 ml.

**C33511** – \$44.99



**SLAP-SHOT® FLEXIBLE VACCINATOR TUBING**

Reduces injuries to the handler, wasted vaccine, and eliminates needle breakage in animals. Clear tubing with Luer-lock ends accept any standard Luer-lock needles or syringes. Remains flexible at subzero and 100°+ temperatures. 30"L. For cattle and hogs.

**C14747** – \$15.69



**200 CC DRENCHER**

Strong ABS plastic, ergonomic handle. Calibration through distal screw. Supplied with the cannula. 10 cc increments.

**C19304** – \$58.99



**ARDES DRENCH GUNS**

Economical for drenching cattle, sheep, and hogs for worming and other uses. Plastic body with a brass nozzle. May also be used for pour-on insecticides. Easy-to-adjust dosages and easy to clean. Nonautomatic.

**C15627** 60 ml – \$44.99

**C15628** 150 ml – \$57.99



**LONG SHOT POLE SYRINGE**

Medicate animals from up to 11' away. Replaceable 30 cc syringe and 14-gauge x 1" Luer-lock needle. Round fiberglass tube positively locks at desired length (4½' retracted; 8' extended).

**C16059** – \$144.99

**Replacement 30 cc Syringe.** For C16059, above.

**C18920** – \$36.29



**SAFE-T-FLEX® POLE SYRINGE**

Injects large and small animals. Flexible pole gives in any direction, eliminating bending or breaking of needles caused by animals jumping. 42" flexible nylon handle. 20 cc Luer-lock tip attached to handle. Needle not included.

**C11883** – \$109.99



**DRENCHER WITH THREADED CANNULA**

Syringe and drench nozzle sold as a kit for goat/sheep drenching, cattle drenching, and more. 50 ml.

**C31378** – \$12.99



**SHEEP/GOAT NYLON SYRINGE**

Features centered tip and etched black markings on barrel. Probe screws on for stability. 100 cc capacity marked in 20 cc increments.

**C15819** – \$22.99



**DAISY-LIFTER COW LIFTS**

Gentle lifting, with support from the backside to the brisket. Includes an open area for the udder to hang through, reducing stress and pressure. Accommodate animals up to 2,200 lbs. Heavy-duty, reinforced, long-lasting PVC with the webbing and durable polyester thread. Includes drawstring carrying bag. 1-year warranty. (Design may vary slightly from photo.)

**Standard.** Fits medium-size dairy breeds/medium-size holstein.  
C25940 — \$629.99

**X-Large.** Large-size dairy breeds/large-size beef.  
C28187 — \$949.99

**X-Large Replacement Sling**  
C28190 — \$449.99



**QUICK-LIFT™ COW LIFTER**

High-strength, lightweight 2" (50 mm) O.D. pipe is a comfortable fit for cow pin bones. Slip the onto the pin bones and ratchet tight with a few quick lever strokes. If the cow needs to be released quickly, the simply pull ratchet lever down and the clamp instantly opens. No handle to lose or spindle to damage or bend.  
C33516 — \$359.99



**NASCO COW LIFT**

Lift down cows due to milk fever or calving injury, and for assisting cows down on wet cement. Only one adjustment to make no matter what size cow. Place over the hips and crank — tightening the lift as necessary to prevent slipping when lifting. Use with a wire stretcher, power pull, or similar device attached to a tractor, etc., to easily lift. Rubber padded stirrups prevent scraping the cow's hips. Bronze bearings eliminate friction and binding on screw. Movable parts are sealed and permanently lubricated. Self-contained folding crank. 20" folded, 28" extended. Capacity: 2,000 lbs.  
C11432 — \$379.99



**LIFTEASE™ COW LIFTER**

Increases comfort by preventing or reducing sweating inside fully closed slings. When used for longer periods, these can lead to skin ulcers and hide damage. It is recommended that the cow is first lifted by a hip-clamp device or the Liftease™ can simply be pulled through under the down animal. Lift straps have three lift loops for variation of lift height. Loops fit on a silage fork and are less likely to slip off than metal hooks. Lifts up to 4,400 lbs. (2,000 kg). Can also be used for horses. Lifting hooks shown at the top are not included.  
C33517 — \$449.99



**LIVESTOCK SLINGS**

Supports the animal over extended periods of time, while allowing the repair of torn muscle and nerve damage. Just roll the animal onto the sling, attach crossbars, and lift. Includes sling, crossbars, cable pullers, and instructions. Strong, zinc-plated tubing and durable polypropylene strap webbing. Sizes adjustable to fit most animals. No returns on items that have been used. Allow extra delivery time. 🐾

**Small Animal Slings.** 9" chest strap. For goats, lambs, pigs, and dogs. Use for birthing problems, artificial insemination, strains, fractures, and trimming feet. Holds up to 250 lbs.  
Z09821 — \$599.99

**Cow Sling.** For downed cows, birth paralysis, milk fever, and strained muscles. Holds approximately 800–2,800 lbs.  
Z09820 — \$1,549.99

**VINK COW LIFT**

Easily adjusted with a removable handle that fits on both sides of the spindle. To help a downed cow, bring the apparatus around the hips of the animal and turn the spindle tight. Lift the animal up slowly so that it can stand up. As soon as the animal is standing, take the tension off the cable, and it will hold the animal so that it does not fall sideways. With proper use, it will not cause bruising around the hipbone.  
C33853 — \$249.99



**IMPROVED COW LIFT**

For post parturient paresis, assisting a cow down on wet cement, prolapsed uterus, restraint during surgery, assisting a weak cow, and obturator paralysis of fracture repair. Place the cow lift over the back of the cow or calf. Turn the handle on the threaded rod and pull the rings snug to the hipbones, just enough so they will not slip off when the cow is raised. Remove by reversing the threaded rod. **CAUTION:** Do not use over 15–20 minutes at a time. Excessive use may injure the pelvis. Crank can only be used on one side.  
C01638 — \$239.99



SHOP OUR FULL SELECTION AT [NascoFarmandRanch.com](http://NascoFarmandRanch.com)

**ALLFLEX® HEAVY-DUTY 20 ML DRENCHER WITH BACKPACK**

Chrome-plated brass body and fittings and porcelainized aluminum handle with springs are precisely balanced for exact-dosage delivery. Lexan barrel has graduations from 2½ to 20 ml. Refills automatically, easy to adjust, and holds dosage throughout use. Light and comfortable to use with adjustable tension on the handle to adjust for an easy refill with different viscosities. Includes a 5½" cattle nozzle. Complete unit includes drench nozzle, 2½-liter poly backpack container (C13140, available online), and drencher (C26056, listed on p. 110).  
**C05227 – \$159.99**



**70 ML AUTOMATIC DRENCHER**

For most drenches and solutions. Refills automatically from the included plastic container. Aluminum alloy handle and lever. Adjustable stainless steel nozzle. Unbreakable graduated, transparent polycarb barrel. Springless valves, inside the plunger don't require disassembly for cleaning. 70 ml kit includes 3-liter plastic container and strap. Adjust from 5–70 ml.  
**C23051 – \$83.89**



**BLITZ CAPTIVE BOLT STUNNER KIT**

Nickel coated to withstand rugged conditions. Loads a 9 mm center-fire blank cartridge producing high-velocity penetration. Center-fire cartridges can hold higher pressures than rim-fire cartridges, making them more powerful and more efficient. Includes Blitz unit, 8-oz. Hoppes solvent, 150 blank cartridges, cleaning brushes, 1 set of spare parts (rubber buffer and bolt spring), and instructions. Allow extra delivery time. 🚚  
**◆Z46750 – \$549.99**

◆ Subject to a Hazardous Material Surcharge.

**Blitz Center-Fire 9 mm Cartridges.** For use with Stunner Kit above. Box of 50.

**C32533** Strong, 410 mg (Blue)  
**C32535** Power, 460 mg (Red)  
**Box – \$31.49**

**FRICK SPECULUM KIT**

Relieve bloating in immobilized ruminants. Includes Frick Speculum Tube (chrome plated; 20"L x 1¼" dia.) and one Koroseal Stomach Tube (¾" O.D. x ½" I.D. x 10'L).  
**C21043 – \$44.99**



**Frick Speculum Tube**  
**C05883 – \$24.99**

**Koroseal Stomach Tube**  
**C00640 – \$30.49**

**THE WHIPLASH™ COMPLETE STOMACH PUMP**

Long, stainless steel, flexible stomach tube features bulb head to pass easily down esophagus. Nose clamp allows oral delivery. Stainless steel pump delivers 335 ml per stroke, 3 strokes deliver 1 liter. The 6'L rubber hose connects pump with stomach tube. Elongated 60° probe completely enters the rumen and allows for high-volume fluid delivery.  
**C28485 – \$679.99**



**Med-Eze™ Stomach Pump**  
**C28673 – \$299.99**

**VETERINARY INJECTION PUMP**

Continuous flow, pumps on both up and down strokes. Use with a stomach tube for drawing fluid out of the stomach. Heavy brass seamless tubing. Nickel plated.  
**C00639 – \$58.99**  
**Repair Kit for C00639.** Includes felt washer, felt washer retainer, and O-ring.  
**C18944 – \$24.99**



**OB SAW WIRE**

Quickly cuts through bones or horns. A total of 32.8' (10 m) of rust-resistant saw wire. 27 wires threaded. Plastic storage container.  
**C31958 – \$26.49**

**Dehorner Saw Handles.**  
For use with OB Saw Wire (C31958, above). Pair.  
**C00624 – \$19.99**

**Metal Wire Handles.**  
For use with OB Saw Wire (C31958, above). Pair.  
**C16023 – \$21.99**

**FARMHAND™ HEAVY-DUTY DEHORNER**

Cast steel dehorner with stainless steel blades and hardwood handles. Precision-cast gear set creates the most cutting force with the least handle effort. Brass-brushed main pivot points reduce moment loads. Blade opening: 3½". 27" handles. 48"L.  
**C34398 – \$919.99**



**A HEAT DEHORNING IRON SET**

Brass head is heated and applied over horn button. Horn sloughs off in 4–6 weeks. Set includes a small iron (5/8" I.D., 3/8"D), a medium iron (3/4" I.D., 3/8"D), and a large iron (7/8" I.D., 1/2"D).  
**C01341 – \$68.99**



**B STIFF-BACKED DEHORNING SAW**

Generous-size dehorning saw with easy-grip handle. Finest quality. Features 12 teeth per inch. 12" blade.  
**C06562 – \$14.99**



**C ARTERY FORCEPS**

Use to pick up an artery end in wounds, to pull an artery in dehorning, or to pick up tissue for suturing in operations. Stainless steel. 5¾"L. Straight.  
**C00813 – \$5.99**



**E HENDERSON CASTRATING INSTRUMENT**

Minimizes blood loss and risk of hemorrhage through the severed cord. Twisting action closes the severed cord. Use with a standard, variable-speed drill (not included) — a cordless unit is best for convenience and safety. Should only be used with a variable-speed drill with a 3/8" chuck. Includes instructional DVD.

**Cattle.** May be used on any age bull, but especially effective on older, heavier bulls (500-900 lbs.) where it's important to minimize the risk of blood loss, swelling, and infection.  
**C15399 – \$329.99**

**Equine.** Removable bolt in pivot joint to enhance cleaning and sterilizing of the instrument. Stainless steel with nonstick coating resists rust, easily sterilized, autoclavable.  
**C34836 – \$369.99**



**F EMASCULATOMES**

Precision-made for the humane castration of livestock by severing the testicular cord without injury to the scrotum. Testicle atrophy follows in about 6 weeks. High-quality steel, nickel plated, with cord stops. For docking lamb's tails, use either extra-small or small instrument. Cut off tail inside the closed jaws.

**Extra-Small.** 9". For lambs.  
**C00287 – \$43.99**

**Medium.** 14". For calves and young bulls.  
**C00227 – \$62.99**

**Large.** 16". For mature bulls.  
**C00289 – \$68.99**

**Extra-Large.** 19". For bulls, horses, buffalo, and camels.  
**C00290 – \$74.99**

OFFICIAL WARNING  
It is illegal to ship or carry these products outside the United States! Nasco agrees to sell you this product only under the condition that you will not ship or carry it outside the U.S. without a Federal Export License. Contact Nasco for more information.



DEHORNERS

Item	Product No.	Description	Tip Dimensions						Price
			I.D.	O.D.	Overall Depth	Length	Watts	Power Current	
A	C09785	Model L125CD Goat/Calf. Power cord 4½'	⅝"	⅞"	⅝"	12"	125	120V AC	\$79.99
B	C02430	Rhinehart X30 Electric Goat/Calf Dehorner	⅝"	⅞"	⅞"	9¾"	200	110V AC	\$109.99
C	C12425	Goat Dehorner. Available in 240V through special order.	⅝"	⅞"	⅞"	12¾"	350	115/120V AC	\$119.99
D	C12426	Electric Calf Dehorner. Available in 240V through special order.	¾"	1⅝"	open	12¾"	240	110V AC	\$74.99
E	C27103	STONE Double Calf Dehorner. Range: 1,000°-1,200° F. For newborns 3-10 days old; flip it over for larger calves up to 12 weeks old (some breeds up to 6 months)	¾"	1"	—	9½"	240	110V AC	\$189.99
F	C01017	Rhinehart X50-A Calf Dehorner with Thermostat Temp. Range: 1,000°-1,400° F.	¾"	1½"	1½"	9½"	239	110/120V AC	\$154.99
G	C01625	Rhinehart X40 Calf Dehorner	¾"	1½"	1½"	9½"	165	110/120V AC	\$89.99
H	C05506	Small Dehorning Tip. Fits C01017 and C01625 dehorner only. For calves up to 4 months.	½"	⅞"	—	—	—	—	\$28.99
I	C31901	⅜" Adapter Goat Tip. Fits the X40 and X50 dehorner. Optional tip for C01625 and C01017. Mounting hardware included.	⅝"	⅞"	—	—	—	—	\$28.99
J	C31900	¼" Adapter for Pygmy Goats. Fits the X40 and X50 dehorner. Optional tip for C01625 and C01017. Mounting hardware included.	¼"	½"	—	—	—	—	\$28.99
K	C31899	Solder Tip. Fits the X40 and X50 dehorner. Optional tip for and C01017 and C01625. Mounting hardware included.	—	—	—	—	—	—	\$30.59

**L BARNES-TYPE LARGE-SIZE DEHORNER**

High-grade tool steel cutting blades with a rust-resistant oxidized finish. Cutting edges on the inside let the operator cut out the horn button. Chrome plated with metal handles. 17½"L. For horns approximately 1½" dia. C00181 — \$32.99

**Calf Dehorner.** Use on 2- to 10-month-old calves. 13"L. For horns approximately 1" dia. C14750 — \$28.99

**M RHINEHART X50 DEHORNER PACKAGE**

Thermostatically controlled and withstands the vigorous demands of industrial farms. Includes X50 dehorner, ½" tip for calves up to 4 months, ⅜" tip for goats, and ¼" tip for pygmy goats. Thermostat temp. range: 1,000°-1,400° F. ¾" I.D./1½" O.D. Overall depth: 1½". Length: 9½". 110/120V AC, 239 watts. C32753 — \$209.99

**N DR. NAYLOR DEHORNING PASTE**

Quick, economical method of dehorning young animals at any time of the year. Only take one application over horn button. No cutting or bleeding. Use as soon after birth as possible up to 8 weeks old. For up to 40 calves. 4-oz. jar. C11910 — \$8.29

**O DR. LARSON'S™ DEHORNING PASTE**

Eliminates blood, infections, and trauma caused by dehorning saws and gouging dehorner. Inhibits horn growth before it starts. Syringe applicator minimizes the risk of exposing the user to dehorning paste. Calibrated applicator applies a consistent dose with little waste. One tube dehorn up to 24 calves. C26000 — \$9.29

NASCO PROPANE DEHORNER ACCESSORIES



**Replacement Tip and Base.** For use with a Bernzomatic propane gas torch (Model TS4000; customer supplied). **Use with caution.** Includes brass tip, brass base, cap screws, and set screws. C31948 — \$99.99  
**Replacement Tip.** Includes brass tip and cap screws. C31949 — \$50.29

**P BUDEX CORDLESS DEHORNER**

Remove horns on calves before they erupt. Takes less than 10 seconds to remove each bud. Dehorn 15 calves per charge. 110V nickel-cadmium battery. Audible overheating alarm. NE50004 — \$360.00

**Q EXPRESS GREEN INLINE DEHORNER**

Portable, easy to handle, safe, fast, and efficient. Compact, ergonomically-designed dehorner is fueled by a butane/propane mix in a cartridge that fits into the handle — no cords or bulky propane tanks. Automatic piezo ignition and an enclosed combustion chamber for safety. Heats to working temperature in 5 minutes and reaches temperatures up to 1,100° F (595° C). One fuel cartridge provides dehorning power for 2-5 hours, depending on temperature. Dehorn calves up to 10 weeks of age. Comes with 1 fuel cartridge, a ¼" tip, instructions, and metal carry case. C34926 — \$293.74  
C34928 Replacement cartridge — \$11.49

**R EXPRESS GREEN PISTOL-GRIP DEHORNER**

High-power fuel mix cartridge installs into handle. Reaches maximum temperature in under 3 minutes. Operates for approximately 2 hours up to 1,200° F (650° C). Includes reversible brass 0.67"-0.8" tip, fuel cartridge, instructions, and metal carry case. C34927 — \$289.99  
C34928 Replacement cartridge — \$11.49

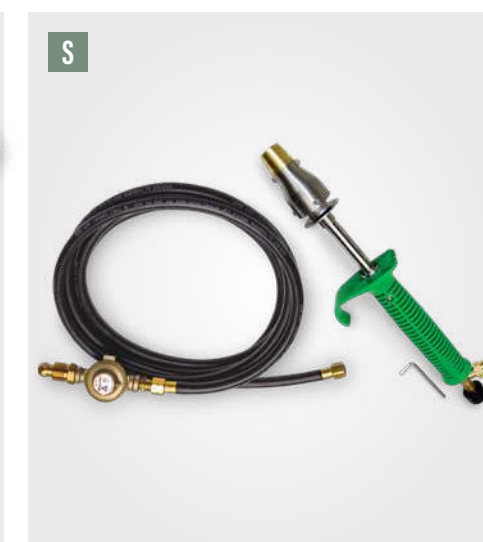
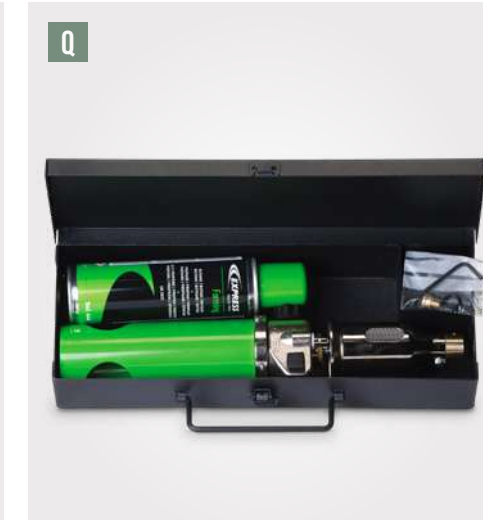
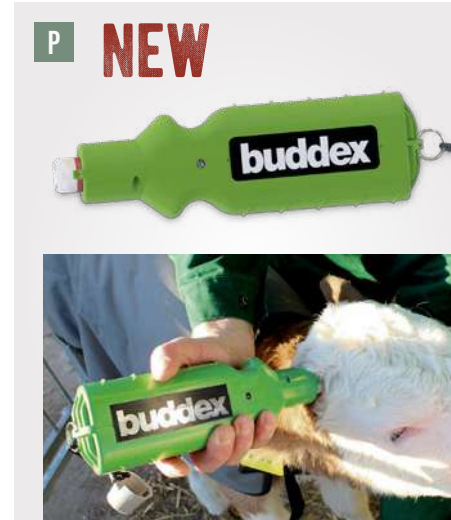
**S EXPRESS GREEN PROPANE DEHORNER**

Reaches 1,100° F (595° C) in 3 minutes. Hex key stores in handle. Reversible brass 0.67"-0.8" tip. Includes hose, regulator, and flint striker. **Dehorner with 15'-ft. Hose.** Fits standard-size propane tank (not included). C34924 — \$189.99  
**Dehorner with 5-ft. Hose.** Fits 14-oz. propane cylinder (not included) and belt clip hanger. C34925 — \$169.99



**PORTASOL DEHORNER III**

The perfect tool for dehorning herds of young calves and goats that are 3-8 weeks old. Removing the pre-emergent (debudding) is the most humane and efficient way to eliminate horn tissue in calves. This method simultaneously kills horn growth and controls bleeding by cauterizing the blood vessels, while minimizing potential infection. Makes it possible to dehorn and debud anywhere. Length: 9¾". Unit equipped with ⅝" (15 mm) tip. Operating time: 45 minutes. Tip temperature: 1,200° F. Refill time: 20 seconds. Does not include butane. C29559 — \$199.99  
C30331 ⅝" tip only — \$34.99  
C30332 ¾" tip only — \$34.99  
C14240 10-fl.-oz. butane refill for C29559 — \$10.99  
**Repair Kit for Portasol Dehorner III.** Includes 2.5 mm Allen wrench, 1.5 mm Allen wrench, grub screw, jet assembly, flat wrench, and ignition ceramic assembly. C33323 — \$29.99





**CALLICRATE PRO BANDER™ KIT**

Stretches over the scrotum before being tightened and then locked firmly into position. Works well on cattle, goats, alpacas, and sheep. Used for castration, removing horns, and treating prolapses. Large loop opening makes placement easy. Features a durable pull strap and 360° tension indicator. Loop inside dia. 3". Includes cutter, 5 loops, and carry case. **C34703 – \$479.99**

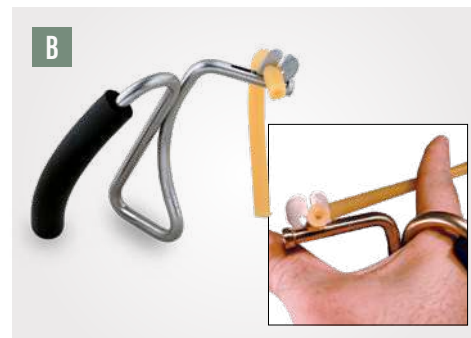
**Pro Loops.** For use with Pro Bander™ above. Loop inside dia. 3"  
**C34705** Bag of 25 – \$94.99      **C34706** Bag of 100 – \$359.99



**CALLICRATE SMART BANDER®**

For dehorning and tail docking. The loop and clip unit makes the job fast, easy, and convenient and works well on any size animal. Built-in tension meter senses proper tightness every time. Includes bander, 5 loops, and cutter. **C18381 – \$469.99**

**Callicrate SMART Loops®**  
**C16150** Bag of 25 – \$94.99      **C16151** Bag of 100 – \$359.99



**CALF LEG SPLINTS**

When a calf is born with a contracted flexor tendon, the fetlock joint is caused to knuckle under, causing serious limitation to the mobility of the calf. With the application of the BOS splint to the back of the leg with the bottom edge at ground level, the calf should have normal mobility immediately. Remove the splint after 4–5 days.

**Front-Leg Splint Kit.** Includes 1 calf front-leg splint (C27390, below), 3" x 5 yd. roll of elastic adhesive bandage, and instructions. Splint length: 17¾". **C28222 – \$54.99**

**Front-Leg Splint, Yellow**  
**C27390 – \$64.99**

**Rear-Leg Splint Kit.** Includes 1 calf rear-leg splint (C27127, below), 3" x 5 yd. roll of elastic adhesive bandage, and instructions. Splint length: 15¾". **C24222 – \$54.99**

**Rear-Leg Splint, Green**  
**C27127 – \$61.99**

**A EZE BLOODLESS CASTRATOR MODEL T-1**

Applies latex ring around scrotum and pulls it extremely tight to cut off blood supply. Aluminum clip. For cattle, sheep, and goats, especially calves 250 lbs. and over. Enough latex tubing and clips to do 25 animals. Instructional DVD. **C18363 – \$249.99**

**C18364(A)** Pack of 50 bands – \$46.99  
**C14761** Pack of 50 clips – \$36.99

**13' Replacement Tubing.** Use with old-style EZE Bloodless Castrator; NOT for use with C18363 above. **C14762 – \$31.29**

**B CALIFORNIA BANDER**

Stainless steel with foam handle. Precut, 6" natural latex bands (C25924, below) have aluminum T-clip attached to one end. To use, place clip into tool slot, stretch band around scrotal sac, and lock band's other end onto clip. **C25844 – \$44.99**

**Bands Only.** Pack of 25.  
**C25924 – \$30.59**

**C HIRED HAND EZY BANDING TOOL**

Prevents testicles from sliding into abdomen; pushes testicles through band when scrotum is pulled through. Black plastic. 3"L x 3¼"W x 3¼"H. **C34479 – \$8.89**

**"TRI-BAND" BANDER – BIGGER – STRONGER**

For bulls from newborn to 350 lbs. Band opens to 2½" x 2½" x 2½". Bands also work on standard pliers and are twice as strong as the green bands. Applicator requires no tightening of any kind; simply open, put in place, and release.

**C24393 – \$44.99**  
**C24394** Pack of 25 bands – \$9.49

**XL BANDER**

This applicator requires no tightening of any kind – simply open, put in place, and release. Designed specifically for castrating bulls weighing between 250 and 750 lbs. Bands (not included) open to 4" x 3" x 3".

**C28341 – \$119.99**  
**C28340** Bag of 50 bands – \$58.99

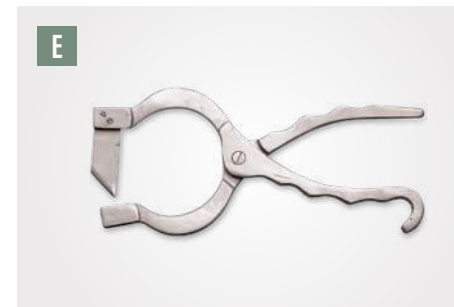


**D STAINLESS STEEL EMASCULATOR**

Removable wing nut allows blade tightening or approximating. Double crushing blade prevents primary or secondary hemorrhage. Completely severs artery. 12"L. **C32824 – \$82.99**

**E NEWBERRY CASTRATING KNIFE**

Stainless steel castrating knife with interchangeable 2" blades. Will split the scrotum for easier removal of testicles. 10½"L. **C10844 – \$23.09**

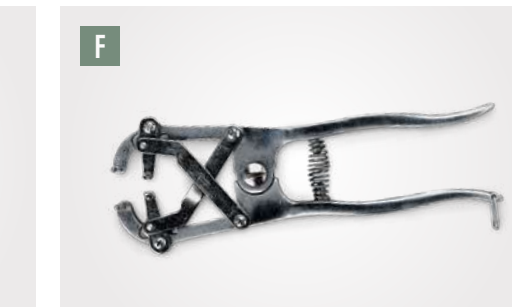


**F PREMIUM BAND CASTRATOR**

Easy to use for one-person castration of lambs, calves, goats, and other animals. May also be used for docking and prolapses. **C30643 – \$34.99**

**G NAVEL CORD CLAMPS**

Llocin clamps help prevent navel infection such as *Escherichia coli* and *Streptococci* by sealing off the navel cord. Apply as soon after birth as possible. Clamp may be removed in 24–36 hours, or it will drop off of its own accord in 3–5 days. Reusable. **For Pigs & Lambs.** Bag of 25. **C06995 – \$12.49**  
**For Calves & Colts.** Bag of 10. **C07005 – \$12.69**



**H UMBILICAL CORD CLAMPS**

Attach as soon as possible after birth and remove after 24–48 hours. Clamp approximately 3/16" from top of umbilical cord. Cut cord below clamp to prevent suckling. Can be disinfected and reused. Ideal for piglets as clamps are large enough not to fall through creep floors. 2½"L. Pack of 100. **C31270 – \$28.49**

**I ZIP BANDIT CASTRATION TIES**

The quickest and easiest bander on the market – the only bander available that requires no application banding tools. Start loop before slipping over testicles, pull tight until the head touches the rubber. Cut tail flush to prevent injury to animal (side cutter works best). 18"L. Pack of 10. **C35084 – \$40.99**

SHOP OUR FULL SELECTION AT  
[NascoFarmandRanch.com](http://NascoFarmandRanch.com)



SHOP OUR FULL SELECTION AT  
[NascoFarmandRanch.com](http://NascoFarmandRanch.com)



**A LOW-TRAUMA NYLON CALVING STRAP**

1"W x 32"L nylon webbing. Two metal loops are sewn in with a double layer and may be used to attach a calf puller or traction device. Easy to clean and disinfect. 1" strap required for each leg.  
**C19737 — \$11.99**

**B OBSTETRICAL CALF STRAP**

Easy-to-use obstetrical strap helps you assist the unborn calf. This strap doesn't hurt as much as the old chain types, and will not break a leg. Made with soft nylon. Nickel-plated hardware.  
**C10751 30" strap — \$7.09**  
**C10752 60" strap — \$7.49**

**C CALF PULLER STRAP**

Designed to fit around your waist for simple calf pulling assistance. Full body support and hand loops for leverage. Blue nylon web strap with reinforced stitching and stainless steel D-rings. 103"L x 1"W.  
**C28538 — \$28.99**

**D DELUXE CALF SNARE**

Cable crosses over with a unique tightening device — can't slip down when pressure is applied. Heavy-duty attachment block. 33"L. Vinyl-coated.  
**C11884 — \$74.99**

**E SAVE-A-CALF SNARE**

Obstetrical loop quickly and easily made larger or smaller by sliding yoke. Snare has metal thimble for use with OB hook. High-grade aircraft steel cable. Yoke removes for cleaning. 35"L.  
**C16649 — \$57.99**

**F HEAVY-DUTY VETERINARY OBSTETRICAL CHAINS**

Stainless steel, heavy-duty obstetrical chain. Easy to clean and convenient to use.  
**C26348 30" — \$69.99**  
**C26347 60" — \$78.99**

**G STONE OB CHAINS**

Withstand a minimum of 1,200 lbs. of pull. High-quality, smooth, nickel-plated steel, twisted-link type. Long lasting and easily sanitized.  
**C26885 30" — \$25.99**  
**C26884 60" — \$43.99**

**H LAMB & PIG PULLER**

Strong, 3/32" galvanized cable with metal handle support. Plastic outer tubes cover the cables. Soft, pliable snare loop expands from 2"-7". Disposable. Non-sterile.  
**C14726 — \$14.29**

**I PIG OBSTETRICAL SNARE**

Durable, made from aircraft cable. Great for use with small and large animals. 18"L.  
**C08178 — \$38.49**

**J PIGLET PULLER**

4"L coated aircraft cable snare is easily inserted and forms a natural opening to snare the piglet.  
**C13129 — \$16.99**

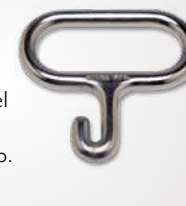
**STONE OB HANDLE**

Handle will grasp chain at any length. Good quality, medium duty.  
**C01014 — \$12.00**



**STONE OB HANDLE**

Easy-grip, cushioned handle. Heavy-duty, One-piece cast iron. Sturdy, smooth, nickel plated. Hook will not spring or let chain slip.  
**C26887 — \$19.99**



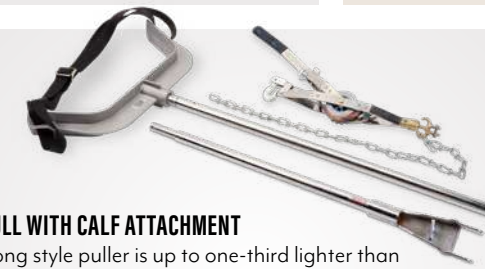
**SHARPVET OB HANDLE**

Rubber coating on handle makes gripping easier. Handle will hook on chain at any length. Stainless steel. Will not rust.  
**C34200 — \$43.99**



**VINK STAINLESS STEEL CALF PULLER**

Features single-handed operation, impossible to slip away from the cow, and permits pulling tension straight up for posterior presentation or down in the direction of the udder for a normal birth. The alternate action lever mechanism is equipped with two hooks that will be drawn one by one when pulling a calf. Pole can be moved sideways up to 30°; a move sideways of more than 30° can damage the apparatus — always take care to ensure sufficient room around the cow during the delivery since this renders a sideways movement of the pole unnecessary. 71". Allow extra delivery time. 🚚  
**Z49003 — \$594.99**



**POWER PULL WITH CALF ATTACHMENT**

Come-along style puller is up to one-third lighter than other pullers. 14:1 power ratio with 1,500-lb. capacity. Power Pull locks onto the calf puller attachment by a simple, foolproof "turn buckle" arrangement. 9'L steel aircraft cable enables the user to deliver a calf with ease. Includes a strong, lightweight breech spanner; a tubular steel rod in two sections; a heavy web strap; and a 30" OB chain. For two-person use.  
**C00446 — \$449.99**

**Power Pull Only (Ratchet Mechanism).** 9' cable without calf puller attachment.  
**C00373 — \$289.99**



**WESTGUARD CALF PULLER**

Ratchet-style puller turns left or right 360° for easy, one-person operation. Quickly locks into position — just set the T-bolt provided. Easy to release and reset. Includes 60" OB chain and hip strap. 82"L.  
**C07591 — \$419.99**



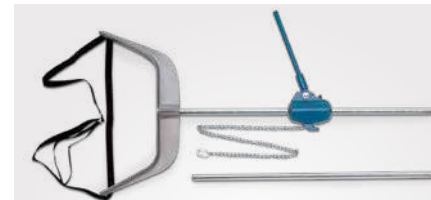
**STONE RATCH-A-PULL KIT**

Double-action puller. Variable side-to-side pull for maximum control and maneuverability. Straight, consistent pulling. 77" solid steel rod provides long, continuous pull and eliminates need for reattaching chains. Deep grooves on pole provide positive locking to prevent ratchet slippage. Solid steel pole and ratchet is strongest available. Pole threads together at midpoint for easy breakdown and assembly. Precision hook design grips STONE OB chain securely at any point to prevent slippage or slack. Capable of 1,400 lbs. of pull. Aluminum alloy breech spanner with washable web strap included. Entire puller and breech spanner fit into canvas carry bag for easy portability and secure storage. Kit includes Ratch-A-Pull with breech spanner and strap, two 30" OB chains, cleaning brush, OB hook, and carry bag.  
**C26888 — \$489.99**

**STONE Ratch-A-Pull Only.** Includes Ratch-A-Pull with breech spanner and strap and two 30" OB chains.  
**C13410 — \$399.99**

**CALF EZE™ CALF PULLER**

Dual-action pull. Easy, one-person operation. Utilizes nonslip cam traction. Traction on the calf and the counter-thrust against the cow induce the spreading of the pelvic bones, the elevation of the abdomen, and arching of the cow's back. Makes "locked hip" deliveries relatively easy. Features aerospace, heat-treated, aluminum alloy jack; state-of-the-art handle release; 4 hardened steel cams; 2 cam springs; precision, 2-section rod assembly; 23" cast aluminum breechen; and nylon web strap. OB chains (C00335) sold separately at NascoFarmandRanch.com. 1-year warranty.  
**C17338 — \$409.99**



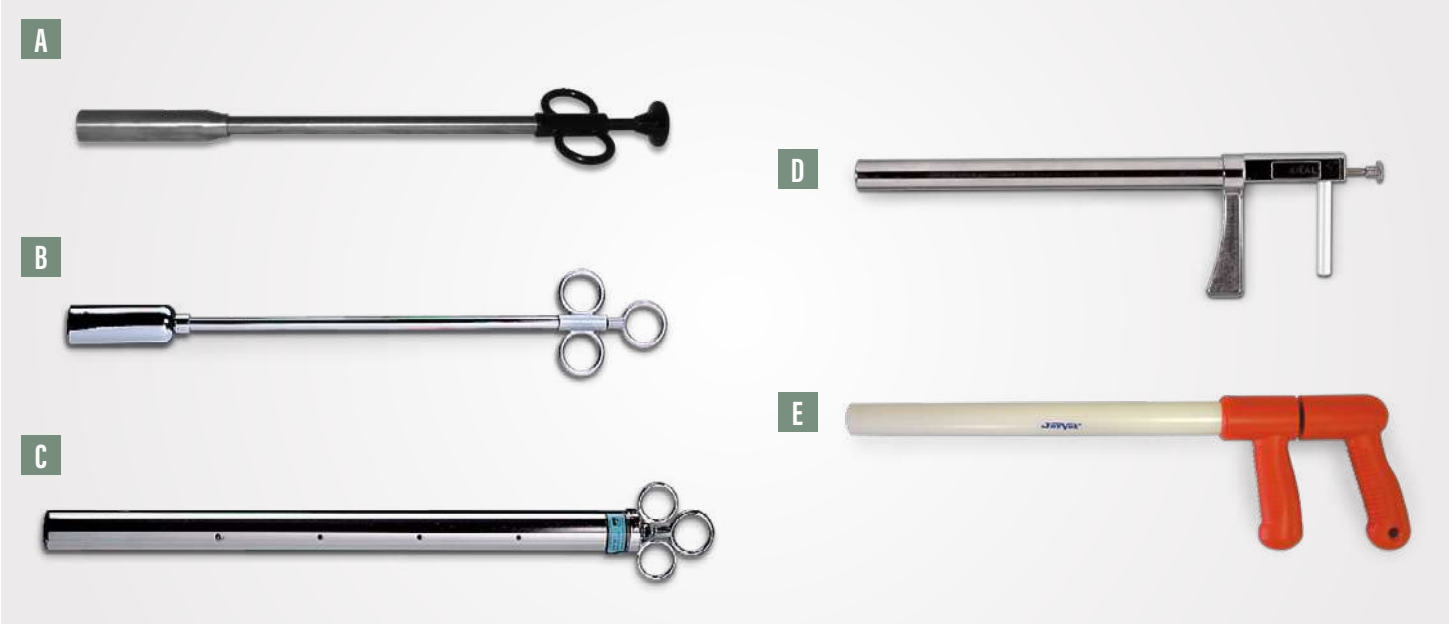
**DR. FRANK'S® FETAL EXTRACTOR WITH CHAINS**

Friction jack drive mechanism for uniform tension — no slipping or backing up. Pulls from a single point. Single-hand jack release. Includes 23" breechen that induces pelvic bone spreading; adjustable rump strap; leg and traction chains; precision threaded connection for smooth operation; and heavy cut steel Shelby tubing extractor shaft. 76"L. Cast iron jack. 45" chain. 1-year warranty.  
**C13900 — \$374.99**



**HERCULES CALF PULLER**

With one of the handles, you can move the two separate hooks alternately — pulling one limb first, and then, with the next movement of the handle, the other limb. The most difficult presentation can be zig-zagged out in this manner. Extra-long 65", no-slip shaft disassembles in the middle.  
**C28565 — \$234.99**



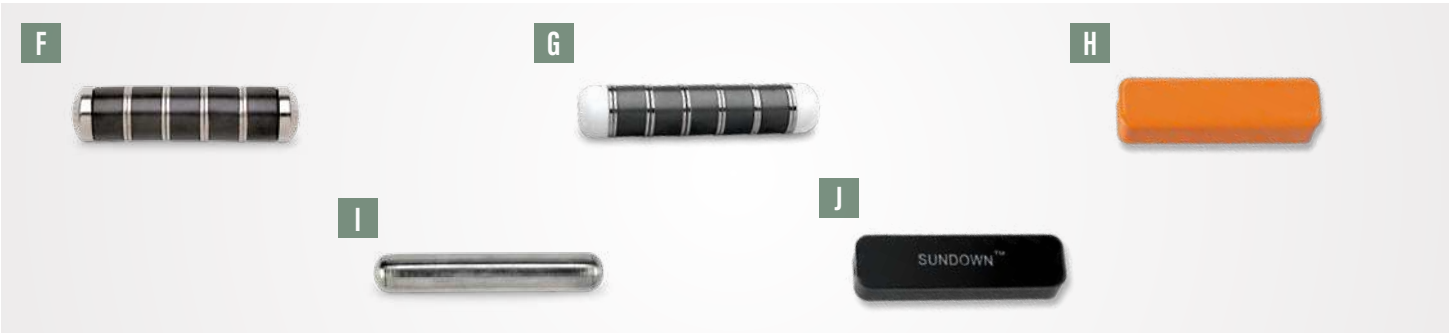
**A FINGER-GRIP™ STAINLESS STEEL BOLUS GUN**  
 Delivers the Transition™ Calcium Bolus (C32965) and other large calcium boluses. Degree of retention is controlled by slightly twisting the bolus on the welded set screw in the base of the cup. Inside dia. of cup: 1 3/8" (35 mm). Length of shaft and cup: 18 1/8" (46 cm).  
**C34694 — \$244.99**

**B COW OR HORSE BALLING GUN**  
 Straight with spring. Stainless steel head: 1" x 3/4". Takes 1/2- and 1-oz. capsules. 3/4" (20 mm) I.D. 17"L.  
**C00302 — \$29.99**

**C MULTI-BOLUS BALLING GUN**  
 Heavy-duty brass, plated with copper, nickel, and chrome. Curved barrel end eliminates sharp edges in mouth. Barrel length: 17 1/2". Easily disassembled for fast and thorough flush cleaning. Holds 5–6 large-size boluses. Barrel I.D. is 1 3/16" (21 mm).  
**C04339 — \$109.99**

**D MULTI-BOLUS BALLING GUN**  
 Up to six 240 grain boluses can be administered per animal. Pistol-grip handle; outside spring and trigger prevents freezing. Spring tip retains boluses. 1" (25 mm) I.D. Barrel length: 11".  
**C07856 — \$54.99**

**E MULTIDOSE BALLING GUNS**  
 Simplest design for ease of administration. High-impact PVC tube. Holds up to 5 boluses. Only 1 1/2 lbs. Field tested at some of the country's largest feed yards. Adult size, 1" I.D. 1-year warranty.  
**C28568 — \$52.99**



**F FERRIMAX™ COW MAGNET**  
 A single magnet made from 16 pieces that do not come apart. Silver and gray with steel end caps. 3 3/8"L x 3/4" dia.  
**C23544 — \$3.69**

**G FERRIMAX™ PLASTI CAP MAGNET**  
 3 3/8"L x 3/4" dia. Silver and gray. Plastic end caps. Ringed ferrite magnet.  
**C13950 — \$3.79**

**H POWER PLATE MAGNET**  
 FDA-approved nylon coating. 2 5/8"L x 5/8"W x 1/16"H.  
**C23141 — \$2.99**

**I SILVERSTAR™ ALNIMAX II™ COW MAGNET**  
 Stainless steel, polished to a smooth, chrome-like finish. 3"L x 1/2" dia.  
**C27472 — \$4.59**

**J SUPER BLACK MAX II MAGNET**  
 Metal lays parallel to the length of the magnet due to its special magnetics — all 6 surfaces are magnetic. High-density magnet has a high power-to-weight ratio, and a special coating built tough to resist breakage. Fits most balling guns. 2 3/4"L x 3/4"W x 1/2"H.  
**C18150 — \$3.59**

**CORID® 9.6% ORAL SOLUTION**  
 Aids in treating and preventing coccidiosis caused by *Eimeria bovis* and *E. zuernii* in calves. For a satisfactory diagnosis, a microscopic examination of the feces should be done before treatment. **Dosage in drinking water:** For a 5-day treatment — add solution to drinking water at the rate of 16 fl. oz./100 gallons of water and offer as the only source of water for 5 days; for 21-day prevention — add solution to drinking water at the rate of 8 fl. oz./100 gallons of water and offer as the only source of water for 21 days. **Dosage as a drench:** For a 5-day treatment — add 3 fl. oz. of solution to 1 pint of water and, with a dose syringe, give 1 fl. oz. of this drench solution for each 100 lbs. of body weight and give daily for 5 days; for 21-day prevention — add 1 1/2 fl. oz. of solution to 1 pint of water and, with a dose syringe, give 1 fl. oz. of this drench solution for each 100 lbs. of body weight and give daily for 21 days. Not for sale in California.  
**C29690 Pint — \$28.99**      **C27940 Gallon — \$144.99**



**CORID® 20% SOLUBLE POWDER**  
 The first product specifically to treat and prevent bovine coccidiosis. Aids in the treatment and prevention of coccidiosis (bloody scours) caused by *Eimeria bovis* and *E. zuernii* in calves. Palatable and readily accepted by cattle. **Dosage and administration:** For prevention, use a 21-day prevention program — mix one 10-oz. packet with 250 gallons of water; for treatment, use a 5-day treatment program — mix one 10-oz. packet with 125 gallons of water. 10-oz. packet. Not for sale in California.  
**C29691 — \$27.99**

**VETERICYN® WOUND & INFECTION TREATMENT**  
 Kills 99.9999% of infection-causing bacteria, viruses, and fungi. Treats cuts and scrapes, ringworm, hot spots, rain rot, eye infections, skin rashes, cinch fungus, skin infections, burns, post-surgical sites, skin ulcers, strep, staph (MRSA), *E. coli*, *Salmonella*, and fungi. Safely replicates the animal's own immune system. Does not harm healthy tissue. 100% nontoxic, nonirritating, and nonstinging. Antibiotic-free, steroid-free, and tests free on competitive animals. No alcohols, iodines, or tea tree oil. 8-oz. bottle.  
**C30025 — \$27.79**



**CALCIUM GLUCONATE 23%**  
 Aids in the treatment of parturient paresis (milk fever) in cattle. Administered intravenously or intraperitoneally. 500 cc.  
**C00329 — \$8.49**



**50% DEXTROSE STERILE SOLUTION**  
 Aids in the treatment of uncomplicated ketosis of dairy cattle. 500 ml.  
**C14720 — \$6.69**



**HIGH POTENCY VITAMIN B COMPLEX INJECTION**  
 For use as a supplemental source of B-complex vitamins in cattle, horses, swine, sheep, dogs, and cats. Intramuscular injection recommended. May be administered subcutaneously or intravenously. **Dosage and administration:** 1–2 ml per 100 lbs. body weight for adult cattle and horses, 5 ml per 100 lbs. body weight for calves, foals, swine, and sheep, and 0.5 to 2 ml for dogs and cats; may be repeated as necessary. 250 ml bottle.  
**C18516 — \$17.99**



**LIQUAMYCIN® LA-200®**  
 Long-acting injectable oxytetracycline effectively treats susceptible bacterial infections of beef cattle, nonlactating dairy cattle, and swine. Provides sustained antimicrobial activity, eliminating the need for daily treatment — 1 shot is equal to 3 days on conventional therapy. Unsurpassed control of respiratory infections; the only injectable antibiotic for treatment of bovine pinkeye. Each ml contains 200 mg of oxytetracycline base in a unique 2-pyrrolidone carrier.  
**C13299 100 ml — \$34.99**  
**C13300 250 ml — \$64.99**



**ASPIRIN BOLUS**  
 Use orally as an aid in reducing fever and for relief of minor muscle aches and joint pain in cattle and horses. **Dosage and administration:** 2–3 times per day: 1–3 boluses for mature cattle and horses; 1–2 boluses for calves and foals. Allow animals to drink water after administration. Not for use in lactating dairy animals. Each bolus contains 240 grains of acetylsalicylic acid (aspirin). Jar of 50.  
**C18525 — \$34.99**



**GLYCERIN — 99%, U.S.P.**  
 99% U.S.P. glycerin which enhances its ability to blend with other compounds such as iodine. Gallon.  
**C31031 — \$109.99**



**MINERAL OIL**  
 For use as a mild laxative for lubricating the intestinal tract of horses, cattle, sheep, swine, and dogs. Gallon. 95 viscosity.  
**C31052 — \$36.99**



**PROHIBIT® SOLUBLE  
DRENCH POWDER ANTHELMINTIC**

Broad-spectrum anthelmintic effective against nematode infections in cattle and sheep (stomach worms, intestinal worms, and lungworms). Administer orally as a drench with standard drench syringe or administer as a concentrated drench solution with an automatic drenching syringe. **Dosage and administration:** For cattle, mix 1 packet into 1 qt. of water and administer as a single drench dose ½ fl. oz. per 200 lbs. of body weight; for sheep, mix 1 packet into 1 gallon of water and administer as a single drench dose ½ fl. oz. per 50 lbs. of body weight. 52 g packet. Not for sale in California. **C34762 – \$34.19**



**PRIVERMECTIN® DRENCH FOR SHEEP**

Ready-to-use, free-flowing solution of ivermectin for the treatment and control of worms and bots in sheep. 0.08% solution. Enough for eighty 100-lb. doses. 960 ml. Not for sale in California. **C31047 – \$99.99**

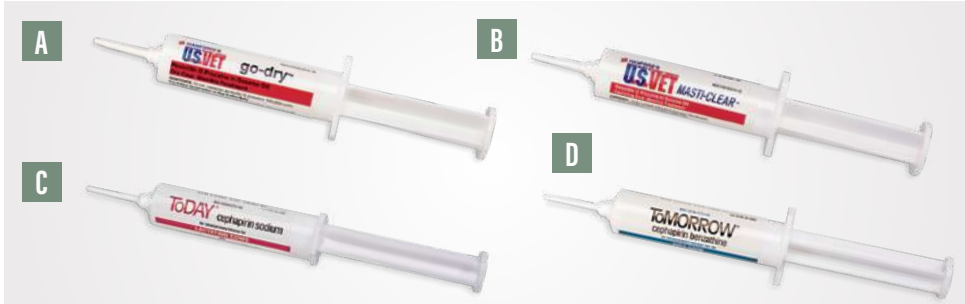
**IVOMEC® SHEEP DRENCH**

Effective treatment of gastrointestinal roundworms, lungworms, and nasal bots in sheep. Administer orally at the recommended dose level or 200 mcg per kg of body weight. 3 ml treats 26 lbs. of body weight. **Dosage and administration:** 3 ml for 26 lbs., 6 ml for 52 lbs., 9 ml for 78 lbs., 12 ml for 104 lbs., 15 ml for 130 lbs., 18 ml for 156 lbs., 21 ml for 182 lbs., 24 ml for 208 lbs., 27 ml for 234 lbs., and 30 ml for 260 lbs. Any standard drenching equipment or equipment that provides a consistent dose may be used. Ewes may be treated at any stage of pregnancy. Sheep must not be treated within 11 days of slaughter for human consumption. 1,000 ml. Not for sale in California. **C18530 – \$149.99**



**ORBESEAL® (BISMUTH SUBNITRATE) TEAT SEALANT**

Sterile, nonantibiotic paste for intramammary infusion of nonlactating cows as an aid in preventing new mastitis infections throughout the dry period. Mimics the cow's natural first line of intramammary defense, the keratin plug. Bismuth subnitrate is a safe, inert sealant with a high specific gravity that allows it to sink into fissures and folds of the teat canal, forming a nearly impenetrable barrier that remains in place for 100 days or more. Results in fewer cases of mastitis. No residue, no milk withholding. **Dosage and administration:** After last milking at dry-off, clean and disinfect the teats with the alcohol swabs provided, then infuse the entire contents of one Orbeseal® syringe into each quarter by inserting the nozzle into the teat and applying gentle continuous pressure to the plunger until the paste is expressed. **C30336** Pack of 12 syringes – \$49.99 **C27106** Bucket of 144 syringes – \$499.99



**A GO-DRY™ MASTITIS TREATMENT BY U.S. VET**

Intramammary infusion for the treatment of bovine mastitis in dry cows. Effective against udder infections caused by *Streptococcus agalactiae*. Administer at time of drying off by infusion in all 4 quarters (1 tube in each quarter), 1 time only. Each single-dose syringe contains 100,000 units of Procaine Penicillin G in sesame oil. Box of 12 disposable syringes (10 ml each). **C12945 – \$32.99**

**B MASTI-CLEAR™ BY U.S. VET**

Intramammary infusion intended for treatment of bovine mastitis in lactating cows. Effective against udder infections caused by *Streptococcus agalactiae* and *Streptococcus uberis*. Each 10 ml single-dose syringe contains 100,000 units of Procaine Penicillin G in sesame oil. Dosage is 10 ml per infected quarter. Treatment may be repeated at intervals of 12 hours. Do not administer more than 3 consecutive doses. Box of 12 syringes (10 ml each). **C12946 – \$32.99**

**C TODAY® MASTITIS THERAPY**

Treats bovine mastitis in lactating cows. Use at the first signs of inflammation or at the first indication of alteration in milk. Effective treatment of mastitis caused by *Streptococcus agalactiae* and *Staphylococcus aureus* including strains resistant to penicillin. Administer 10 ml into each infected quarter. Milk taken from animals during treatment and for 96 hours (eight milkings) after the last treatment must not be used for food. Treated animals must not be slaughtered for food until 4 days after the last treatment. Box of 12 syringes (10 ml each). 200 mg cephalixin per syringe. **C18512 – \$74.99**

**D TOMORROW® MASTITIS THERAPY**

Treat mastitis in dairy cows during the dry period. Effective treatment of mastitis in dry cows, when caused by *Streptococcus agalactiae* and *Staphylococcus aureus* including penicillin-resistant strains. Use no later than 30 days prior to calving. Administer 10 ml into each infected quarter. Box of 12 syringes (10 ml each). 300 mg cephalixin per syringe. **C18513 – \$56.99**

**E SAFE-GUARD® CATTLE & HORSE DEWORMER**

Controls brown stomach worm, barber pole worm, bankrupt worm, small stomach worm, cooperia, thread necked worm, hookworm, nodular worm, and lungworm. Safe for pregnant beef and dairy cattle (8-day withdrawal), and horses not intended for slaughter. 92 g tube (treats eight 500-lb. cattle). Not for sale in California. **C15698 – \$61.99**

**F CYDECTIN® ANTIPARASITIC POUR-ON FOR CATTLE**

Treats infections and infestations due to internal and external parasites. For use in lactating and dry dairy cows and veal calves. When applied at the recommended dose level of 0.5 mg/2.2 lbs. (0.5 mg/kg) body weight is effective in treatment and control of the gastrointestinal roundworms, lungworms, cattle grubs, mites, lice, and horn flies. 500 ml bottle treats twenty 550-lb. cattle. Not for sale in California. **C18553** 500 ml – \$124.99 **C18554** Liter – \$174.99

**G IVOMEC® 0.5% POUR-ON FOR CATTLE**

One low-volume dose treats and controls roundworms, lungworms, grubs, lice, mange mites, and horn flies. Apply along topline from withers to tail head. Each ml contains 5 mg of Ivermectin, sufficient to treat 22 lbs. (10 kg) of body weight. 250 ml pack treats 10 head of 550-lb. cattle; 1-liter pack treats 40 head of 550-lb. cattle. Litter. Not for sale in California. **C18552 – \$164.99**

**H EFFERSAN™ TABLETS**

Sanitizes, disinfects, and protects against odor. Effective against *Pseudomonas aeruginosa*, *Staphylococcus aureus*, *Salmonella enterica*, and *Salmonella typhi*. For use in sanitation and disinfection in milk processing facilities, dairy farms, poultry farms, beverage and food processing plants, veterinary clinics, and zoos. Disinfects pre-cleaned, hard, nonporous surfaces in 5 minutes and sanitizes in 1 minute. Skin and fabric friendly. Tested, proven, EPA-registered. **C33269** 24 tablets – \$33.49 **C33268** 100 tablets – \$119.99



**VIRKON® S BROAD SPECTRUM DISINFECTANT**

Highly effective, broad spectrum disinfectant for livestock containment and producer facilities. Proven efficacy against viral, bacterial, and fungal pathogens. Kills African swine fever. Ideal for cleaning and disinfecting surfaces, equipment, and instruments. Can also be used in aerial disinfection. Powder formula dissolves quickly in water. 1 gallon of solution treats 135 square feet. 10-lb. pail. Not legal for sale or storage in California. **C23526 – \$99.99**

**EPRINEX® POUR-ON FOR BEEF & DAIRY CATTLE**

For internal and external parasite control in one easy application. Broad-spectrum efficacy in a weatherproof formulation with no meat or slaughter withdrawal and zero milk discard. One dose applied along the topline treats and controls 24 stages of adult internal parasites, L4 larvae and inhibited L4 larvae, horn flies, cattle grubs, four species of lice (including biting lice), and two species of mange mites. Lasts 21 days for internal parasites; 7 days for external parasites. 250 ml will treat 10 head of 550-lb. animals or 5 head of 1,100-lb. animals. 1 liter will treat 40 head of 550-lb. animals or 20 head of 1,100-lb. animals. **Dosage and administration:** 1 ml/10 kg (22 lbs.) of body weight. Not for sale in California. **C18910** 250 ml – \$63.99 **C18911** Liter – \$189.99 **2.5-Liter Collapsible Pack.** Connect a dosing applicator (not included) and draw-off tubing (not included) to the collapsible pack and follow manufacturer's directions for adjusting the dose. **C29692 – \$349.99**



**NEW**



**FORTIGUARD SOLID FOOT-PAN SANITIZER**

Control pathogens in your animal care facilities with the only EPA-registered solid foot-pan sanitizer. Low-dust powder is specifically designed to kill E. coli, salmonella, avian influenza, PEDv, PRRS, rotavirus, and more. Twelve 2-lb. pouches. **NE40346 – \$156.99**

**MERRICK'S BLUE RIBBON CALF ELECTROLYTES™ WITH OMNI-BOS® CB PLUS MICROBIALS**

A source of live, viable, naturally occurring microorganisms. Designed for calves and formulated to provide a supplemental source of electrolytes, nutrients, and direct-fed microbials in one product. Highly palatable. **Dosage and administration:** Mix one 4-oz. scoop with 2 qts. of 90°-110° F water and feed 2-4 hours after milk/milk replacer feeding; feed sick/scouring calves 2 qts. 2 times per day; feed weaned calves 2 qts. 3-4 times per day; and feed moved or transported calves 2 qts. 1-2 times per day. 25-lb. Pail. 100 doses. **C33861 – \$189.99**



**FIRST DEFENSE® BOVINE CORONAVIRUS-ESCHERICHIA COLI ANTIBODY BOLUSES**

For newborn dairy and beef calves. USDA and CFIA approved. Colostrum-derived defends against K99+ *E. coli* and Coronavirus. Easiest scours prevention to use with the most accurate dosage. OMRI listed, suggested for use in organic operations. **Dosage and administration:** Administer 1 bolus per calf within the first 12 hours after birth. Do not vaccinate calves with oral Coronavirus or Rotavirus products within 5 days of administering First Defense®.

**C31275** Box of 5 doses – \$48.99  
**C31273** Box of 30 doses – \$289.99



**ELECTROLYTES PLUS™ MULTI-SPECIES SUPPLEMENT**

Concentrated, nutritional hydration supplement. **Dosage and administration:** For calves, mix 1 packet or scoop into 2 qts. warm water and feed solution 1-3 times daily. For foals, mix a half packet or scoop into 1 qt. lukewarm water and offer 2-3 times daily at a rate of 1-2 pts. per 100 lbs. body weight. For lambs, goat kids, fawns, or alpaca crias, mix ¼ packet or scoop into 1 pt. warm water and offer 4 fl. oz. per 6 lbs. body weight. For piglets, mix 1 scoop into 2 qts. lukewarm water and offer for 1-2 days during hot weather or other stress. For adult horses, llamas, alpacas, sheep, or goats, mix 3 oz. (a half packet or scoop) per gallon of lukewarm water and offer during stress or transport — offer as the only source of drinking water for 1 hour, 2-3 times daily. 25-lb. pail. **C31202 – \$72.99**



**CENTRIVET™ BLOOD GLUCOSE METER**

Blood glucose and ketone results in seconds; 5 seconds for glucose and 10 seconds for ketones. Meter features meal markers, hypo/hyper alarms, ketone test alert, 5 daily reminder options, large display with bold numbers, test strip ejector that reduces the risk of contamination, and auto shutoff. Memory stores up to 450 records with date and time. Measurement ranges: glucose 10-600 mg/dL (0.6-33.3 mmol/L); β-ketone 0.0-8.0 mmol/L. Hematocrit range: 20-60% for both glucose and ketone. 3½" x 2¼" x ¾".

**Blood Glucose & Ketone Meter Only.** Includes meter, reference materials, 2 batteries, and a carrying case. **C34635 – \$39.99**

**Bovine Blood Ketone Test Strips Only.** Vial of 25 test strips. **C34638 – \$35.99**



**BHBCheck™ BLOOD KETONE TEST**

Measure BHB (Beta Hydroxybutyrate Dehydrogenase) levels in blood for detection of subclinical ketosis in dairy cows.

**Starter Kit.** Includes the Blood Ketone Meter, 10 test strips, 10 lancets, pouch, and instructions. **C33955 – \$64.99**

**Blood Ketone Meter.** An accurate and affordable test that uses 1 drop of blood to provide quantitative results in 5 seconds. **C33953 – \$39.99**

**Blood Ketone Test Strips.** 1 drop of blood is placed on the test strip and then read in the Blood Ketone Meter. Includes vial with 50 test strips. **C35421 – \$114.99**



**PROBIOS® SUPPLEMENTS**

Guaranteed levels of lactic acid bacteria to help natural immunity. For use during times of stress such as freshening, shipping/receiving, change in feed, or after antibiotics. Available in either a 60 g Dial-a-Dose tube (no applicator gun needed) or a 300 g tube.

**Recommendations for beef and dairy cattle:** 5 g at birth for newborns; 10 g for calves under 400 lbs., 15 g for calves over 400 lbs.; 10 g for heifers under 400 lbs., 15 g for heifers over 400 lbs.; 10 g for cattle under 400 lbs., 15 g for cattle over 400 lbs.; 30 g at freshening for cows; and 15 g on first and last day of therapy in hospital. 5 g dose may be used for sheep and goats at birth.

**C19541** 60 g Dial-a-Dose Tube – \$19.59

**C19539** 300 g Tube – \$82.49



**FIRST COLOSTRUM**

This colostrum supplement has USDA-CVD, dual-claim approval to aid in the treatment of failure of passive transfer of immunity in newborn calves and to aid in the prevention of death associated with *Escherichia coli* K99. Contains a dose of *E. coli* antibody and 50 g of bovine-origin IgG. Single-dose, 350 g packet. **C23390 – \$19.99**



**COLOSTRUM PLUS**

The only colostrum replacer on the market with USDA-Center for Veterinary Biologics dual-claim approval and 100 g of IgG. Proven to aid in the treatment of failure of passive transfer of immunity and to aid in the prevention of death associated with *Escherichia coli* K99. Single-dose, 500 g packet. **C31926 – \$38.99**



**CALF SOLUTIONS® ULTRA START® 150 CALF COLOSTRUM REPLACERS**

Contains a minimum 150 g of bovine globulin proteins per feeding, providing one replacer feeding or up to 3 supplement feedings. 12-oz. (350 g) pouch of dry powder.

**Ultra Start® 150.** Formulated with 10% fat, vitamins, and nutrients. **C30268 – \$43.79**

**Ultra Start® 150 Plus.** Contains 26 essential vitamins and chelated trace minerals, including elevated levels of key antioxidant vitamins. Cannot be sold in Canada. **C31278 – \$57.99**



**FIGHT BAC®**

22-oz. aerosol can is the same as using ½ gallon of teat dip. One can will treat 300 cows. **C16208 – \$19.49**



**MILK CHECK ISOPROPYL ALCOHOL WIPES**

Convenient, high-quality with 70% isopropyl alcohol and 30% purified water. Pop-up dispenser contains 175 wipes, each 7" x 7". **C32576 – \$17.29**



**CAL-C-FRESH®**

Mineral supplement for use in fresh cows. Contains calcium and certain vitamins to help maintain normal calcium and vitamin levels during freshening. 300 ml tube. **C15866 – \$16.29**



**CAL-GEL™**

Mineral supplement helps maintain normal calcium levels during prepartum and postpartum periods. Gel helps prevent lung aspiration. Each 300 ml cartridge contains 54 g calcium, plus magnesium chloride and cobalt sulfate in a gel suspension. 5.5 pH helps prevent the calcium chloride salts from precipitating out. Not recommended for cows showing severe milk fever symptoms. **C13901 – \$8.99**



**KETO-GEL™**

Concentrated gel packed with vitamins, amino acids, and trace minerals that are absorbed and play an integral part in preventing ketosis. Maintains normal blood glucose levels during stress when ketosis often develops. 290 g propylene glycol, 40,000 units vitamin A, 10,000 units vitamin D, 100 units vitamin E, 6 g niacin, 6 g choline, 5 g methionine, and cobalt. **C13902 – \$11.99**







SHOP OUR FULL SELECTION AT  
[NascoFarmandRanch.com](http://NascoFarmandRanch.com)



**A START BOTTLE/DRY FEEDING FOR CALVES**  
Dry feed bottle helps start a calf on feed. Place in the pen on day one. Their natural instinct will take them to the nipple. By biting the nipple, it will dispense feed. Sanitary. Weatherproof. 2-qt. capacity. Pull-off nipple.  
**C13849 – \$31.49**

**Replacement Nipple**  
**C13850 – \$7.29**

**B BOVINE COLOSTROMETER™**  
This original colostrometer is calibrated to measure colostrum quality by utilizing an internal color-coded scale. The level at which the colostrometer floats in the included plastic shipping/floatation cylinder indicates the amount of immunoglobulins (or antibodies) in the colostrum milk.  
**C10978 – \$28.99**

**C COLOSTRUM HYDROMETER WITH PLASTIC CYLINDER**  
Measures colostrum quality by utilizing an internal color-coded scale. Indicates the amount of immunoglobulins (or antibodies) in the colostrum milk. Includes a 250 ml, durable plastic graduated cylinder.  
**C35623 – \$39.99**

**D LARGE FLOATING TEAT**  
Floating base has a ring to attach a stainless steel chain (not included) for securing the unit to a bucket. One beige rubber teat. 6½"H x 4¾" dia.  
**C19302 – \$14.49**

**E SPER CLINICAL PORTABLE REFRACTOMETER**  
Works in ambient light with no battery or other power source. Includes rubber-coated hand grip that insulate the test solution, covered eye piece and bright defined scale with measurements. Measures protein concentration, urine specific gravity, or gives the refractive index using a few drops of blood serum, plasma, urine, or albumen. 6¾" x 1½". Serum albumen scale range is 1-12 g/dl, resolution is 0.2 g/dl, and accuracy is ±0.2 g/dl. Urine specific gravity range is 1.000-1.050, resolution is 0.002, and accuracy is ±0.002. Refractive index (nD) range is 1.3330-1.3600, resolution is 0.0005, and accuracy is ±0.002. Includes a hard carrying case, calibration solution, pipettes, and calibration tool.  
**SB48374 – \$90.95**

**F VEE GEE® HANDHELD REFRACTOMETERS**  
Accurate measurements for the concentration of aqueous solution. Rubber grips reduce temperature errors. Portable. Patented Zero-Ring eliminates the hassle of using a separate tool for calibration. Scale: Brix. Nonroll stand. Includes a plastic transfer pipette, instruction manual, and carry case.  
**Model BTX-1.** Range: 0-32%. Resolution: 0.2%. Accuracy: ± 0.2%. ATC: Yes. 6½"L x 1½"W x 1½"H.  
**C29014 – \$189.99**  
**Model BX-4.** Range: 45-82%. Resolution: 0.2%. Accuracy: ± 0.2%. ATC: No. 5½"L x 1½"W x 1½"H.  
**C33785 – \$199.99**

**G ORIGINAL ALUMINUM KALF KATCH**  
Spring-button allows adjustable shaft to lock in at 5' or extend to 10'. Catches calves up to 250 lbs. Hook eliminates kickout; calf's back leg is held securely by steel hook. Allow extra delivery time. 🐾  
**C14882 – \$84.99**

**H WEIGH SLING**  
Weighs and carries calves and foals. 33" x 14" nylon mesh sling with front and rear adjustable, 2"W nylon straps, each with a heavy-duty plastic snap buckle. Metal D-rings and bolt snaps.  
**C28540 – \$129.99**

**I ORAL FLUIDFEEDER**  
Fast introduction of fluids, but slow enough to allow animal to naturally produce the necessary saliva for digestion. Single tube probe travels easily into esophagus and reduces accidental trachea entry. Strong, durable material maintains shape and flexibility and can be used repeatedly. Gallon capacity.  
**C32281 – \$21.09**

**J ORAL CALF FEEDER**  
Combats scours and dehydration. Smooth plastic prevents irritation. Reusable with loop for hanging, and has shut-off clamp. 2.6 quarts (2.5 liters).  
**C07326 – \$31.95**

**K ORAL CALF DRENCHER**  
4-qt. container with vented screw-on cap and plastic esophageal probe. Measurements in ml, cc, oz., and pints are marked.  
**C26983 – \$20.99**

**L ORAL CALF FEEDER BAG WITH PROBE**  
Single-piece, plastic probe retracts and easily slides down the esophagus. 2½-liter bag has a handle and a zipper top. Includes clamp. One-time use. Nontoxic.  
**Bag with Small Probe.** Smaller tip for easier insertion.  
**C29288 – \$24.49**  
**Bag with Regular Probe.** Large inside diameter.  
**C14788 – \$24.49**

**M FLUIDFEEDERS**  
Administer fluids and nutrients into the rumen. No regurgitation. For cattle under 300 lbs.

**2-Qt. Roll-Tube Fluidfeeders**  
**C08376** 32"L x 9½"W x 4"H. 16" stainless steel probe. – **\$48.99**

**C08377** 31½"L x 9½"W x 4"H. 16" plastic probe. – **\$24.99**

**1-Gallon Jug Fluidfeeder.** 31"L x 6¼"W x 5½"H. 16" stainless steel probe and no-crimp valve.  
**C32029 – \$59.99**

**N HANDI GRIP™ FEEDER AND STORAGE BOTTLES**  
4-qt. bottle works as storage, a feeder with a nipple, and as a reservoir. Tilt/hold at any angle and maintain control. Can be used to freeze colostrum. Includes bottle with storage cap and plastic esophageal probe assembly.  
**C32184 – \$42.99**

**Screw Cap Only**  
**C14767 – \$1.29**

**Nipple Only**  
**C14768 – \$2.49**

**Esophageal Probe Assembly**  
**C32182 – \$22.49**

**O ADAPT-A-BOTTLE™ FEEDER WITH REGULAR PROBE**  
Administers colostrum and fluids. Use with milk nipple or oral feeders. Inserts into the esophagus. Rapid flow. Includes bottle, vented cap, tube, clamp, and probe.  
**2-Qt. (2-Liter).** Marked in pints and ml.  
**C23463 – \$32.99**

**Replacement Small Probe Only**  
**C29290 – \$21.79**

**3-Qt. (3-Liter).** Marked in pints and ml.  
**C26802 – \$39.99**

**Plastic Probe Only**  
**C32512 – \$21.89**





**A**

**A MILK BAR™ FEEDERS**

Patented EZ-Lock mounting brackets are adjustable to attach to anything from rails to pipes up to 3"W. Adjust quickly and lock in place so calves cannot bump or dislodge them, nursers stay level and won't tip forward, brackets lock the feeder in place upside-down for draining. Resin nylon brackets with extra ribbing for strength. Allow extra delivery time. 🐾

**6-Nipple.** 9-gallon capacity.  
**C28826 – \$189.99**

**10-Nipple.** 15-gallon capacity.  
**C26367 – \$299.99**



**B**

**B Milk Bar™ Compartment Feeders.** Feed a group of calves and know that each is getting the proper amount, regardless of age, with separate compartments. Each compartment holds 2 quarts. Units inter-stack neatly without teat damage. EZ-Lock mounting brackets.

**2-Compartment.** 14½" x 11½" x 16"D.  
**C29920 – \$149.99**

**3-Compartment.** 10" x 20" x 16"D.  
**C26007 – \$179.99**

**5-Compartment.** 33" x 11½" x 15"D. Allow extra delivery time. 🐾

**C26008 – \$199.99**

**MILK BAR™ REPLACEMENT PARTS**

**C Milk Bar™ Replacement Nipple**  
**C23760 – \$6.49**

**D EZ-Lock Replacement Brackets.** Resin nylon with extra ribbing. Set includes 2 brackets, 2 slides, 2 caps, and instructions.

**C29555 – \$29.99**



**C**



**E**

**E MILK BAR™ CALF SELF-FEEDERS WITH FENCE BRACKETS**

Save time with by not having to hand feed. Feeders hook easily where you need them. Exclusive nipple design slows down gulping to prevent choking and promotes salivation. Durable poly containers with molded-in fence brackets hook onto wire or 1x4 wood rails. Gravity-flow nipples require no valves or tubes.

**1-Nipple.** Features a hook to better secure feeder onto cattle panels. Holds 3 qts. 8¼"L x 7"W x 9"H.  
**C19868 – \$46.99**

**5-Nipple.** Holds 4 gallons. 12½"L x 13"W x 14½"H.  
**C19869 – \$134.99**



**TRUSTI TUBER STARTER PACK**

Flexible, transparent tube makes it easy to monitor flow and can be held with one hand. Stopper and calf-size markers guide tube placement and positioning. Mouthpiece sits against the muzzle and tube is easily positioned within the esophagus. Valve ensures fast flow. Clip-on bottle keeps mouthpiece clean and away from surfaces. Easy transition between teat and tuber. Cut feeding time in half. Large, 1-gallon (4 liter) bottle.  
**C34565 – \$68.99**



**FLEXI TUBER STARTER PACK**

Significantly reduces calf stress and discomfort. Soft, flexible tube swallows easily, minimizing calf struggling. Flexible tube can be held with one hand. Strap-on function also gives more hands-free option. Transparent flexible tube is easy to clean and monitor flow. Reliable valve for fast flow with thick colostrum. Cuts feeding time in half. 4.23-qt. (4-liter) capacity.  
**C35111 – \$69.99**

**Replacement Tube.** With mouthpiece and strap.  
**C35112 – \$39.99**



**PEACH TEAT™ MULTI-TEAT OPEN FEEDERS**

Feeders feature a large open top and solid one-piece construction. Durable, UV protected. Each feeder comes with Peach Teats™ and EZ fit adapters. Contoured edges and corners make cleaning a breeze. Back of each feeder has 2 durable metal brackets with 2 adjustable positions. Mount on a rail or fence.

**Pull-Through 3-Teat Calf Feeder.** Includes 3 Peach Teats™ (pull through the bucket) and 3 EZ fit adapters. 4½-gallon capacity.  
**C33222 – \$88.99**

**Pull-Through 5-Teat Calf Feeder.** Includes 5 Peach Teats™ (pull through the bucket or thread in using EZ fit adapter) and 5 EZ fit adapters. 8-gallon capacity.  
**C28042 – \$134.99**

**Screw-In 5-Teat Calf Feeder.** Sleek design includes 5 Peach Teats™ (screw directly into the bucket; no need for EZ fit adapters). Bracket design prevent bolts from wiggling loose. 8-gallon capacity.  
**C34811 – \$149.99**



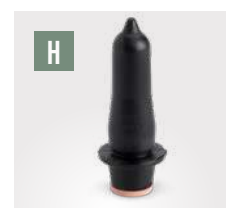
**F**

**F Peach Teat™ & Check Valve.** Use with C25263 (listed at right), 6 mm hose. The innovative threaded Peach Teat™ and check valve make your multi-calf feeder system highly efficient. Check valve makes it easier for calves to drink with tube feeding or gravity feeding. Includes 1 Peach Teat™ and 1 check valve.  
**C30162 – \$11.49**



**G**

**G Black Threaded Peach Teat™.** UV protected to stand up to direct sunlight for long periods of time.  
**C32523 – \$6.49**



**H**

**H Black Pull-Through Peach Teat™.** Black UV protected, pull-through nipple designed with a tapered end for use in narrow moods (such as Milk Bar™). Can be used in all types of feeders on the market.  
**C30867 – \$6.49**



**I**

**I Vented Replacement Cap and Peach Teat Nipple.** Two-piece set. Peach Teat™ and screw-on cap will work on Merrick and E-Z Nurse™ bottles.  
**C23481 – \$6.99**

**Plastic Tubing for Barrel Feeding.** Durable PVC tubing resists kinking and is 3A certified for food-grade applications. Sized to fit into the back of Peach Teat™ nipples and the Peach Teat™ check valve for free access style feeding of calves. Drill ⅜" holes, equally spaced, 24" from the bottom of the barrel. Use 30"L of PVC tubing with the Peach Teat™ & Check Valve (C30162, at left) and Peach Teat™ Check Valve (C19740, below), sold separately. 100'  
**C25263 – \$51.99**

**Peach Teat™ Check Valve.** Attaches to the end of PVC tubing when used in barrel feeding to prevent milk from backflowing, leaving a constant supply of milk in the line for the calf.  
**C19740 – \$1.99**



**PEACH TEAT™ NURSER**

Complete nurser comes with a pink (soft formulation) Peach Teat™, vented screw cap, and bottle. 2-quart capacity.  
**C23480 – \$14.49**



**PEACH TEAT™ HAND NURSER**

Features vented cap. Calf raisers will appreciate the ease of starting new calves with the molded-in handle. Uses the Peach Teat™ nipple. 2-quart capacity.  
**C26923 – \$19.49**



**SINGLE PEACH TEAT™ BUCKET FEEDER**

Ideal for calves in hutches. Durable, UV protected, and includes Peach Teat™. Built to hang on the inside of a rail or fence. Bottom has small legs so it can stand on a flat surface. 6-qt. capacity.  
**C34139 – \$20.99**



**SINGLE PEACH TEAT™ REVERSIBLE BUCKET FEEDER**

UV protected. Back of feeder is molded to fit over a rail or fence. Includes a Peach Teat™ nipple. Teat opening in the front and back of the bucket allows it to be hung on the inside or the outside of a fence or rail (a stopper plug is included). 6-qt. capacity.  
**C26827 – \$26.99**

**SNAP-ON BOTTLES**



**MANNA PRO SNAP-ON BOTTLES**

Product No.	Description	Price
<b>A</b> C25547	2-qt. Bottle Only	\$3.99
<b>B</b> C25508	Nipple Only	\$3.19

**POLYTANK SNAP-ON BOTTLES**

Product No.	Description	Price
<b>C</b> C13023	Calf Nursing Bottle w/Nipple, 3-qt.	\$11.59
C25542	3-qt. Bottle Only	\$8.29
C25543	Nipple Only	\$3.99
C13024(A)	3-qt. Wire Bottle Holder for 2 x 4 Fence	\$10.49
C34277	3-qt. Wire Bottle Holder for Wire Fence	\$10.89

**LITTLE GIANT® SNAP-ON BOTTLES**

Product No.	Description	Price
<b>D</b> C32930	Calf Nursing Bottle w/Nipple, 2-qt.	\$7.99
C32928	2-qt. Bottle Only	\$4.99
C32929	Calf Nursing Bottle w/Nipple, 3-qt.	\$9.99
C32931	3-qt. Bottle Only	\$5.99
C32927	Nipple Only	\$3.49

**MERRICK'S SNAP-ON BOTTLES**

Product No.	Description	Price
<b>E</b> C25058	2-qt. Bottle Only	\$4.79
<b>F</b> C29673	Calf Nurser Bottle w/Nipple, 3-qt.	\$21.49
C34936	3-qt. Wire Bottle Holder for 2 x 4 Fence	\$11.49
C25056	Nipple Only	\$4.99

**E-Z NURSE™ SNAP-ON BOTTLES**

Product No.	Description	Price
<b>G</b> C01559	Calf Nursing Bottle w/Nipple, 2-qt.	\$8.89
C34919	2-qt. Wire Bottle Holder for 2 x 4 Fence	\$9.99
C25545	Calf Nursing Bottle w/Nipple, 3-qt.	\$9.29
<b>H</b> C25544	3-qt. Bottle Only	\$7.69
C35461	Standard Nipple Only	\$2.99
C33334	Maximum Calf/Foal Nipple Only	\$3.19

**I CALF-TEL 4-QT. SNAP-ON BOTTLE**

Product No.	Description	Price
C34396	Bottle w/Nipple, 4-qt.	\$13.49
C34938	4-qt. Wire Bottle Holder for 2 x 4 Fence	\$11.59
C34939	4-qt. Wire Bottle Holder for Wire Fence	\$11.59

**MILK BAR™ NIPPLES FOR SNAP-ON BOTTLES**

Stimulates saliva production for nutrition and the development of the calf's digestive system.

**J Nipple Only.** Fits a top outside dimensions from 2¼"–2½".  
C19870 – \$5.99

**Yellow Colostrum Nipple Only.** Softer rubber. Fits a top diameter of 2½"–2¾".  
C33480 – \$7.49

**K MILK BOTTLE CAP**

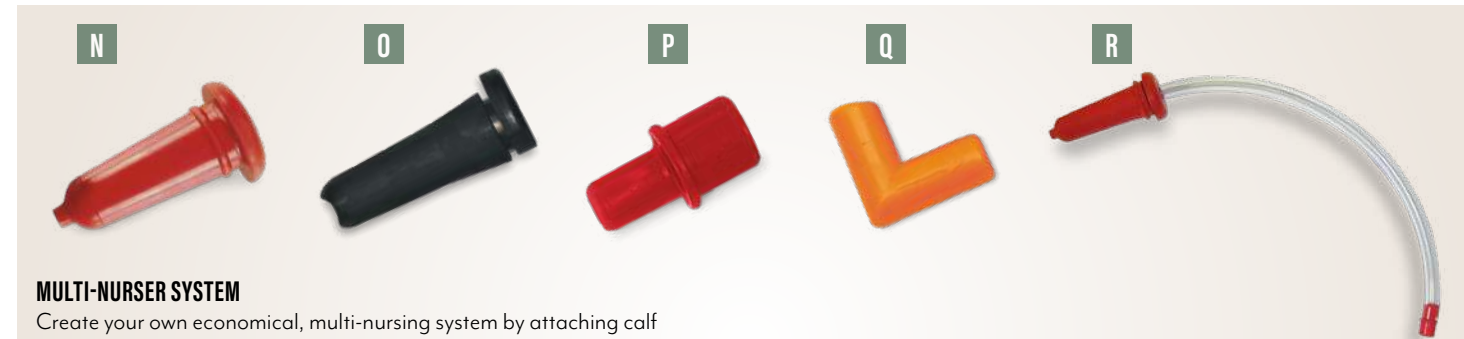
Turns any milk bottle into an airtight storage container.  
C31658 – \$2.99

**L SNAP-ON CALF NIPPLE**

Red rubber, 3"L nipple.  
C35452 – \$2.24

**M EASY-ON CALF NIPPLE**

Natural feel with a tapered tip. When the calf pulls on the nipple, it opens the vent automatically. Fits E-Z Nurse, PolyDome, and other bottles with 2½" neck.  
C29620 – \$3.19



**MULTI-NURSER SYSTEM**

Create your own economical, multi-nursing system by attaching calf nipples to an empty, 15-gallon drum, such as a teat dip drum.

**N Red Fast-Flow Calf Nipple.** Stimulates natural suckling. After pushing the nipple through a 7/8" drilled hole, insert ¼" I.D. Vincon Tubing (C25270, at right) into the nipple. Tubing should be long enough to reach to the bottom of the drum. To prevent backflow, insert the Stop Valve (C25269, at right) at the loose end of the tube.  
C25266 – \$5.69

**O Big Softy Nipple.** For use in gravity-flow situations where the milk level is higher than the nipple. When the calf bites, the nipple replicates natural suckling action, encouraging nursing and digestion. Fits Milk Bar™ calf nursers or 7/8" drilled hole.  
C27350 – \$5.89

**P Stop Valve.** Prevents backflow of milk when used with the Red Fast-Flow Calf Nipple (C25266, at left).  
C25269 – \$1.89

**Q Teat Inlet Elbow for Nipple.** Gets milk from the bottom. Use with Red Fast-Flow Calf Nipple (C25266, at left), Big Softy Nipple (C27350, at left), and Lamb/Kid Teat (C28211 on p. 61). Nonreturn valve incorporated. Use with 4-Place Kid Milk Train (C28753 on p. 61).  
C26026 – \$1.09

**R ¼" I.D. Vincon Tubing Only.** Use for insertion into Red Fast-Flow Calf Nipple (C25266, at left) to supply milk from the bottom of the drum. 100' roll.  
C25270 – \$52.99



**S CALF NIPPLE SET**

Mounts at the bottom of almost any bucket or plastic container by drilling a 1½" hole. Comes apart for easy cleaning. No one-way valve inside the nipple, so calves have nothing to "chew" on.  
C13701 – \$5.89

**Replacement Nipple Only**  
C13700(C) – \$3.29

**Replacement Valve Only**  
C31629 – \$5.49



**T NURSING BOTTLE BRUSH FOR CORDLESS DRILL**

Soft nylon bristle brush reaches every corner and bend of the bottles. Mixture of soft, non-scratch bristles. Use with 2- and 3-qt. bottles. 18½"L x 5½"W. Drill not included.  
C34450 – \$36.99

**U QUART BOTTLE BRUSH**

Designed for hand washing of quart bottles. White polyester bristles. Overall length 15", brush length 6½", diameter 2¾", taper 2¾".  
C06114 – \$38.99



**V 22" BOTTLE BRUSH**

Long-handled bottle brush with stiff bristles for scrubbing. Twisted wire handle. 22"L.  
C29721 – \$8.99

**W HEAVY-DUTY METAL WHISKS**

Ideal for mixing chemicals and milk replacer. Stainless steel whisks are fused into a solid, easy-clean handle.  
C35687 12" – \$10.99  
C35688 18" – \$15.49  
C35689 24" – \$19.99



**NASCO CALF RESTRAINT**

Ideal for restraining young calves (0–2 months) for dehorning, implanting, castrating, dewclaw removal and other procedures. Designed to be attached to feedlot wire-panel fencing. Built to last with rugged, welded steel construction.  
C35338 – \$129.99



**A NYLON WEANER**

Strong nylon with a zinc-plated bolt and wing nut.  
C35450 – \$2.74

**B PREMIUM NYLON WEANERS**

Made of strong polyamide nylon. Each features a zinc-plated bolt and wing nut.  
C32797 Small (Black)      C32798 Large (White)  
C32796 Medium (Green)  
Each – \$4.89

**C CALF WEANER**

Reliable calf weaner can be washed and disinfected for repeated use. Plastic.  
C34344 – \$2.49

**D QUIETWEAN**

The original two-step weaning program. Use the tag to eliminate the stress of weaning. Restrain calf and slide the nose tag on to prevent nursing. In 4–7 days, remove nose tags and separate cows and calves. Calves weaned in two stages rarely call after separation.  
C30418 – \$5.39

**E PLASTIC SWINGING-ARM CALF WEANER**

Sensibly designed with an easy-to-use, wing-nut-secured swinging arm. Provides an opening of 1" that is easily closed up and secured. Reliable, long lasting, and reusable. Has sharp, 7/8"L prongs. 5 1/2"W.  
C28221 – \$7.49

**F CROWN WEANING RINGS**

Simple construction of aluminum and stainless steel, resists rust and corrosion. Light. Stays in animal until removed.  
C00267 Calf, 2 1/2" dia. – \$8.99  
C00268 Cow, 2 3/4" dia. – \$9.49

**G KANT SUK WEANERS**

Guard swings free allowing animal to eat and drink freely, yet prevents sucking. No sharp prongs or edges. Nosepiece has plastic balls. Will not irritate or work loose. Wing nut adjustment. Bright zinc-plated steel.  
C02511 Calf size – \$17.79  
C02512 Yearling size – \$18.89

**H EDMING WEANER**

Fits rigidly in nose of all sizes of cattle and calves, without interfering with feeding. Prongs can be bent to stop self-suckers. Lightweight and easy to apply. Consists of one nosepiece and two fasteners, corrosion-proof.  
C00448 – \$3.89



**KOZY KALF SLED**

Reinforced skids for long life and easy towing. Polyethylene. 40"L x 34"W. 18"D at highest point, 9"D at lowest point. Includes net, rope, and cable ties. Allow extra delivery time.  
Z16107 – \$229.99



**I CUSTOMER FAVORITE**



**I THE ORIGINAL CALF JACKET**

Weather-resistant jackets have a Cordura® outer shell and quilted 3M Thinsulate™ lining. Durable, double stitching. 2" hook-and-loop front closure and nylon rear leg straps with plastic buckles keep jacket securely on calf. Machine washable. Black.

**Jersey-Size.** 29 1/2"L x 22"W at bottom. **C28930 – \$28.29**  
**Medium.** 33"L x 28 1/2"W at bottom. **C31616 – \$28.99**  
**Large.** 36"L x 29 1/2"W at bottom. **C27111 – \$29.99**  
**X-Large.** 38"L x 34"W at bottom. **C28931 – \$38.99**  
**XX-Large.** 41"L x 40"W at bottom. **C28932 – \$44.99**

**J NASCO WARM-UP CALF JACKET**

Tough, weather-resistant with a Cordura® outer shell and quilted 3M Thinsulate™ lining. Form-fitting allows for easy movement and better heat retention. Total length: 32". Length over back: 24 1/4". Black.  
C33543 – \$54.99



**CAF-CARTS**

All-metal enclosed transport box has a rugged, tubular steel frame. Inside box dimensions: 15"W x 36"H. Carrying capacity: 300 lbs. Unassembled. Allow extra delivery time.

**35"L x 15"W.** Outside dimensions with handle and wheels: 54"L x 33"W. **Z08778 – \$749.99**  
**41"L x 15"W.** Outside dimensions with handle and wheels: 60"L x 33"W. **Z46226 – \$799.99**



**K DOUBLE-INSULATED CALF BLANKET**

Double layer Thinsulate™ insulation. Quick-release buckles and strong, polypropylene webbing straps on chest, belly, and each rear leg. Extra strap length accommodates growth. Belly strap keeps blanket snug.

**Small.** 26"L x 25"W.  
 Red **C29653 – \$49.99**  
 Pink **C32999 – \$49.99**  
**Medium.** 30"L x 29"W.  
 Blue **C29654 – \$53.99**  
 Pink **C32998 – \$53.99**

**L WEAVER® CALF BLANKET**

Quilted design with elastic bands provides the perfect fit. Quick-release buckles, fits calves 60–100 lbs. Spine length: 25". Bottom length: 33". Neck diameter: 28".  
C34356 – \$39.99

**M CALF-RESCUE BLANKETS™**

Inner surface reflects 90% of calf's body heat back to the calf. Waterproof, tear resistant, nontoxic. One-time use. 4' x 4'.  
C34662 – \$6.89



**N WEAVER® PRO CALF BLANKET**

Water-resistant blankets with a layer of polyester fiber fill. Adjustable belly straps with quick-release buckles. Black. Machine washable.  
**Small.** Spine length: 22 1/2". Bottom length: 24". Neck diameter: 24". **C34567 – \$39.99**  
**Regular.** Spine length: 27 1/2". Bottom length: 26". Neck diameter: 26 1/2". **C34568 – \$42.99**



**FLEX-STOP™ SPLINT**

Reusable splint comes with padding and three securing straps. (Must order two, if pair is required.) 8 1/2"L.  
C11878 – \$27.99



**POLYDOME CALF WARMER**

Provides a warming environment for calves for the first few hours after birth. Durable, medium-density polyethylene with a stainless steel support system. 50"L x 24"W x 45"H (lower section is 16"D). 110V, two-speed heater. Allow extra delivery time.

**Z40361 – \$829.99**



### SHOOF VET-ROPE LEG ROPE

Soft, safe, non-burning rope. Specially woven hollow-center braided rope. Ready-spliced eye loop won't slip or fray. Ideal for securing leg of cattle while hoof trimming. 1" dia. x 8'L. **C14911 — \$41.99**



### HOOF PICK/BRUSH

Use the hoof pick to remove large quantities of caked mud and dirt, and use the brush to remove smaller particles. Made with a plastic handle, super-stiff nylon bristles, and a tempered steel pick. Color may vary, no choice. **C11455 — \$2.39**



### HOOF NIPPER

Heavier jaw allows for less chance of misuse by beginner. Double cutting jaws that are thin so they will cut through hooves with little effort. Will cut horseshoe nails, but should not be used for other nails or wire. 14"L. Cushion-grip handles. **C00234 — \$49.99**



### HOOF CHISEL

Designed for trimming hooves of larger beef and draft horse animals. One-piece solid steel construction. 8 1/2"L from 3/4" stock. Chisel end is 1 1/4"W. Especially tempered and ground. **C03016 — \$23.49**



### HOOF TESTER

Slightly larger than the standard-size tester. Stainless steel. 13 1/4"L. **C07150 — \$34.99**



**NICHOLSON RASP**  
14"L. Plain, half file, regular. **C00245 — \$45.60**

SHOP OUR FULL SELECTION AT  
[NascoFarmandRanch.com](http://NascoFarmandRanch.com)

## NEW

### CATTLE FARRIER'S HOOF TRIMMING KIT

Trim beef and dairy cattle hooves. Includes 10" shoe rasp, 14" hoof nipper with double cutting jaws, 3" right-handed hoof knife, hand hoof chisel, 3 3/8" double-edged searcher knife, and wire hoof brush. High-density polyethylene storage box is rust and corrosion proof. 16" L x 6 1/2" W x 3 1/2" D. **NE50003 — \$145.00**



### HOOF KNIFE SHARPENING STEEL

Keep hoof knives and cutting instruments sharp. Designed like a pen, the sharpening blade can be retracted when not in use. **C17688 — \$46.49**



### DELUXE HOOF KNIFE

Superior-quality for cutting and cleaning large areas of the sole of large animals. Handle provides maximum leverage and pressure. 7". **C15933 — \$35.79**



### SHARPVET HOOF SHEARS

Nonstick-coated carbon steel blades maintain sharpness. Blade lock. Durable, ergonomically molded plastic handles. Overall length: 7 1/2". Blade length: 2". **C33992 — \$16.49**



### KRUUSE BROAD BLADE HOOF KNIVES

Crafted from rugged stainless steel and a comfortable hard wood handle. Reliable, sharp blades for multiple uses. Blades measure 80 mm. **C27222** Double Sided  
**C27224** Right Handed  
**C27223** Left Handed  
Each — **\$27.99**



### HOOF KNIVES

Economical hoof knife with a stainless steel blade. Durable blade is held by two rivets in the hardwood handle and it extends 2 1/4" into handle. 1/2" blade at heel, 3"L. 8 1/8"L overall. **C13745** Left Handed — **\$5.84**  
**C12301** Double-Edged Hoof Knife — **\$4.09**



### AESCULAP HOOF KNIVES

Top-quality, durable knives stay sharper longer. **Single-Edge.** 8"L knife with wooden handle. **C27877** Right Handed, 3/4" x 5/8" Blade — **\$27.99**  
**C27876** Left Handed, 3/4" x 5/8" Blade — **\$27.99**  
**C27872** Right Handed, 3" x 7/16" Blade — **\$27.99**  
**C27875** Left Handed, 3" x 7/16" Blade — **\$27.99**  
**Single-Edge with Ebony Handle.** 7 3/4"L knife with stainless steel blade. **C27873** Right Handed, 3" x 7/16" Blade — **\$43.99**  
**C27874** Left Handed, 3" x 7/16" Blade — **\$43.99**





**METABO 4 1/2" ANGLE HOOF GRINDER SET**

"Gentle on" feature starts the grinder without jerking, then the TC speed control maintains an even rotation, no matter the load. Lightweight, strong, 510-watt, 8.0 amps 10,500 rpm, no-load speed grinder, perfect hoof trimming. Complete with side handle, wheel guard, flange nuts, face spanner, and grinding wheel. Includes flex pad and sanding discs. Wrench included to change wheels. Made in Germany. Includes the grinder [C11498(D)], flex pad [C11498(A)], and 24-grit sanding disc [C11498(B)], all listed below. Available in 240V through special order.

**C11498 — \$214.99**

**Grinder Only.** Works with 5/8" and 7/8" dia. arbor discs.

**C11498(D) — \$199.99**

**Flex Pad**

**C11498(A) — \$14.69**

**Sanding Discs Only.** 4 1/2". Pack of 10.

**C11498(E) 40 grit, fine — \$11.49**

**C11498(B) 24 grit, coarse — \$12.09**



**HOOF GRINDING KIT**

Convert your electric grinder to a hoof grinder. Special discs for grinding the bottom of the hoof and between toes. Kit includes five 4 1/2" discs, backing pad, disc nut (5/8"–11 UNC thread), and spanner wrench. The 24-grit abrasive grain disc runs cooler, preventing loading, increasing production, and extending life 30–50%. Special backing pad supports the disc and increases air flow between disc and pad.

**C14068 — \$64.99**

**Pack of 5 Replacement 4 1/2" Abrasive Discs**

**C14072 — \$46.99**



**HOOF-IT® BOVINE 20-PACK FOR COWS**

Flexible, durable, won't damage hooves. A quick-curing, high-tech dental acrylic resin is the key material. Less odorous than other products, it's easy to mix and use and provides consistent results. With accelerator treatment, can be done in 4 minutes, even at -22° F. Includes 2 bottles of Fast-Cure Powder, 473 ml of MMA liquid, 20 spatulas, 10 large blocks, 10 small blocks, 10 right mixing toes, and 10 left mixing toes.

**C27061 — \$219.99**

**Replacement Parts**

**C18905** Wooden block, small — \$2.49

**C18906** Wooden block, large — \$2.49

**C18919** Accelerator liquid. 60 ml bottle. — \$29.99



**COWSLIPS® ORTHOPEDIC SHOES**

Orthopedic shoes fitted to the healthy claw of the affected hoof, remove weight from the diseased or injured claw to increase mobility, improve milk yield or weight gain. Recycled PVC with raised, non-slip latticed sole. Quick, clean, easy to fit, and stay in place for several weeks and then fall off. For Holsteins and beef breeds.

**CowSlips® Original.** For Jerseys, Guernseys, Ayrshires, and Holstein heifers. Contains 5 right shoes, 5 left shoes, and adhesive. Have a 1/2" longer sole; slightly forward tapered sole with approximately 1/8" increased depth at the heel; 1 mm wider; and rounded rear inside edge of sole for increased cow comfort.

**C33865 — \$159.99**

**CowSlips® Plus.** Suitable for Holsteins and beef breeds. Box of 10 (5 right and 5 left).

**C33865(A) — \$159.99**

**CowSlips® XL.** For very large or abnormal size claws that would be better fitted with a bigger shoe. Easily accommodate even the largest of dairy cattle — a full 5 1/2" (140 mm) long. For North American Holsteins and large/abnormal claws. Box of 10 (5 right and 5 left).

**C23567 — \$159.99**

**CowSlips® "The Doc" (Wider and Longer).** For use on especially large or abnormal claws. Box of 10 (5 right and 5 left).

**C31844 — \$159.99**



**A HOOF TRIMMING ALUMINUM CARBIDE FLAT DISCS**

Inserts screw into the disc. Trims about 100–150 animals before the inserts need to be resharpened or replaced. Rectangular, so when dull, unscrew and turn 180°. Inserts may be resharpened 5–6 times before replacement.

**6-Slot Carbide Flat Disc.** Six inserts and screws. Includes 3/32" T-handle Allen wrench. 4 1/2" dia. Fits 7/8" arbor.

**C19703 — \$329.99**

**4-Slot Carbide Flat Disc.** More aggressive cut to remove hoof material quicker than the six-slot version. Four inserts and screws. Includes 3/32" T-handle Allen wrench. 4 1/2" dia. Fits 7/8" arbor.

**C19702 — \$329.99**

**Replacement Inserts.** Set of 10.

**C15974 — \$149.99**

**Replacement Screws.** Set of 10.

**C18945 — \$24.99**

**B HOOF TRIMMING DISC**

Medium grain hoof trimming disc. 4 1/2" (115 mm). Arbor diameter: 7/8".

**C35132 — \$29.99**

**SUREFLEX™ SELF-ADHESIVE BANDAGES**

Self-adhesive — no clips or fasteners needed. Easy to apply and easy to remove; sticks only to itself. Leaves no residue on skin. Still sticks and will not shrink when wet. Easy to tear, breathable, easy-to-start roll. Resists absorption of moisture that can harbor bacterial growth. Lightweight compression and will not cut off circulation when used as directed. Box of 18 rolls. Each roll is 4" x 5 yds.

Black	<b>C30184</b>	Red	<b>C30178</b>
Dark Blue	<b>C29573</b>	White	<b>C30179</b>
Orange	<b>C30175</b>	Teal	<b>C30180</b>
Hot Pink	<b>C30176</b>	Purple	<b>C30181</b>
Lime Green	<b>C30177</b>		

**Box — \$36.89**

**CO-FLEX COHESIVE FLEXIBLE BANDAGE**

Lightweight, flexible, cohesive bandage. Excellent pressure bandage without cutting off circulation, and it wraps easily to adapt to even the most difficult contours. Adheres to itself, no clips or fasteners are needed. Will not stick to hair. 4" x 5 yd. roll.

White	<b>C13818</b>	Green	<b>C17622</b>
Blue	<b>C13819</b>	Purple	<b>C17623</b>
Red	<b>C13820</b>		

**Each — \$2.79**



**HEAVY-DUTY FOOT BATH**

Black polyethylene. Nonskid sand-finish bottom with flared edge. Must be supported with a 2" x 8" wooden frame (not included). 3' x 3' x 7 1/2". Allow extra delivery time.

**C13188 — \$179.99**

**WEAR GUARD**

Prevents future lameness. Apply when a cow is walking slow (tender footed) or shows signs of excessive hoof wear. Note: This is not therapeutic blocking. Treat both claws in situations of excessive wear.

**C34394 — \$3.29**



**COW BOOT**

Continuous soaking with conditions such as warts, puncture wounds, etc. Relieves pressure. Easy on/off. Triple-layered bottom of tough polyvinyl compound is reusable many times. Standard size fits adult cow.

**C16623 — \$27.99**



**DELUXE BEECHWOOD HOOF BLOCK**

Scored on both sides. 4 3/4" L x 2" W x 7/8" H.

**C23588 — \$3.99**



**CLAW-CHECK**

Achieve correct form and function of the bovine hoof. Ensures weight is evenly distributed. Set at 50° angle.

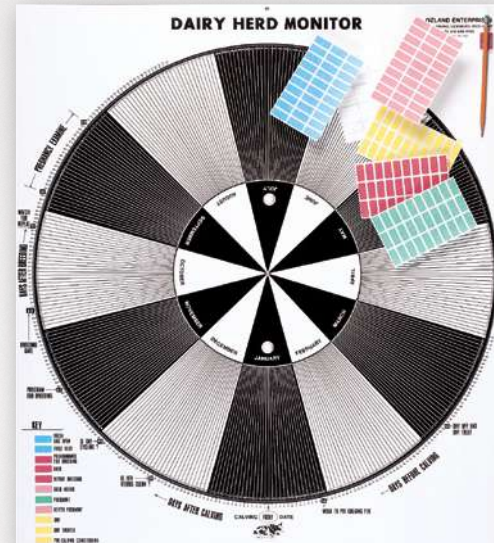
**C28338 — \$12.49**





**"TELETAPE" DELUXE LIVESTOCK MEASURE**

Easily and accurately measure height and other livestock body parts. Automatic locking large bubble level and telescoping horizontal rod make leveling quick and easy. Height is read where tape enters case. English/metric 12' (3.65 m) tape retracts into case. Belt clasp.  
**C24068 — \$119.89**



**DAIRY HERD MONITOR**

Simple and accurate panorama monitors cows according to breeding and calving status with self-adhesive, removable stickers that use a 4-color coding system. Works in any weather condition. 30" x 34". One unit handles herd sizes up to 250 cows. Includes stickers, instructions, and nylon fasteners for wall mounting.  
**C05708 — \$244.99**  
**Pack of 600 Stickers.** 150 each of red, blue, green, and yellow.  
**C07666 — \$11.49**



**A**

**A HOLSTEIN DAIRY CALF WEIGH TAPE**

Gives weight estimation in lbs. and kg. For calves from newborn to 12 weeks or 282 lbs. Includes tips for proper calf raising and feeding. 54"L.  
**C23149 — \$6.09**



**B**

**B NASCO HOLSTEIN WEIGH TAPE**

Inches/lbs. on one side and cm/kg on the other. Printed in English and Spanish, with livestock tips included. Reads weights from 77 to 2,125 lbs. Overall calibrations: 277 cm, 985 kg. 108"L x 2"W.  
**C15907 — \$6.84**



**C**

**C NASCO BEEF WEIGHT TAPE**

Estimates weights of feed cattle in grades Medium, Good Choice, and Fancy. Other side for feeder, beef breeding, and crossbred cattle. For weights from 82 to 1,888 lbs. 108"L x 1"W.  
**C01037 — \$6.49**



**D**

**D WEIGHT-BY-BREED DAIRY MANAGEMENT TAPE**

Compare average weights at 3 and 6 months of age to determine lightest recommended breeding weights and average first calving weights. Figures 57 to 1,975 lbs. 108"L.  
**C06070 — \$6.79**



**E**

**E BILINGUAL WEIGHT-BY-BREED DAIRY TAPE**

Separate scales for Holsteins, Guernseys, and Jerseys. Text in English and Spanish shows average weights at 3 and 6 months, lightest recommended breeding weights and average first calving weights. 108"L tape measures weights from 26 to 898 kg; scale is in centimeters.  
**C29802 — \$6.89**



**F**

**F CALFSCALE® BIRTHWEIGHT TAPE**

Measures birth weight of beef calves within 24 hours of birth. Place tape around coronary band of front hoof and read circumference in cm and the birthweight in lbs. or kg.  
**C15167 — \$8.49**



**G**

**G NYLON SPLIT-GARD™ COW HOBBLE**

Adjustable hook-and-loop closure leg straps for easy on/off. 1½"W nylon strap with nickel-plated hardware. 28½"L. Lightweight.  
**C11658 — \$15.79**



**H**

**H DELUXE SPLIT STOP HOBBLE**

Lightweight hobble with 2"W strap, easy on/off hook-and-loop closure leg straps and nickel-plated hardware. 21" between legs, 35"L.  
**C12927 — \$33.99**  
**C26391 19" split stop for cattle/yearlings — \$33.99**



**I**

**I COW CUFF LINKS**

1½" nylon webbing with 6,000 lbs. of tensile strength and stainless steel components. Adjustable 12"-18" distance between cuffs so cow can walk without danger of legs spreading. Positive-lock buckle system.  
**Red C25897**  
**Blue C26852**  
**Each — \$41.99**



**J**

**J SPLIT STOP HOBBLE**

21"L. Adjustable hook-and-loop closures provide an easy on/off. 2"W strap with nickel-plated, double-lock hardware.  
**C16211 — \$18.49**

**K HEAVY-DUTY SPLIT GARD™ SAFETY HOBBLE**

Slightly longer spread allows larger cows to walk freely. Single-unit design features twin locking nickel-plated hardware and easy on/off adjustable hook-and-loop closure leg straps. 2"W.  
**C28797 — \$18.99**



**L**

**L WEAVER® ADJUSTABLE COW HOBBLER**

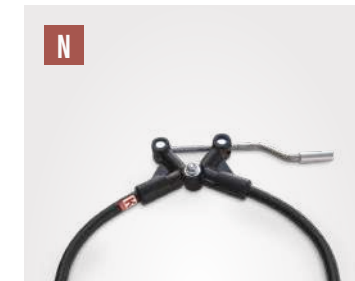
Hook-and-loop fasteners for leg cuff adjustment. 2"W polypropylene webbing. Nickel-plated hardware. Black.  
**C29736 21" — \$26.99**  
**C29737 19" — \$26.99**



**M**

**M HEAVY-DUTY COW HOBBLE**

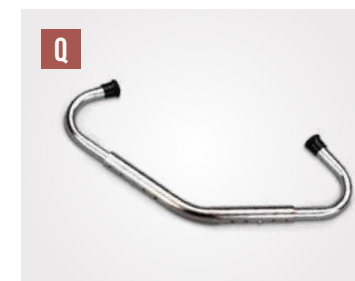
Leather-reinforced nylon webbing. Positive lock and roll-style buckles make them secure and easy to adjust.  
**C33995 — \$27.99**



**N**

**N KOW KAN'T KICK**

Slips over back of animal. Cow remains quiet for examination, surgery, artificial breeding, milking, and routine handling. Good for first-calf yearlings. Adjusts to any size animal. Easy to apply; just slip over back and turn hand crank to tighten. Rubber-tipped arms.  
**C00104 — \$199.99**



**Q**

**Q CATTLE CONTROLLER (KICK STOP)**

Lightweight and adjustable to 5 sizes with spring-loaded, snap-button control. Fits snugly over back and thigh area. 1½"-dia. tubing for main body, with 1"-dia. tubing on 2 movable legs. Rubber end caps on legs protect animal.  
**C05300 — \$29.49**  
**C07016 Extra springs, pair — \$4.09**

**P SHARPVET STAINLESS STEEL KICK STOP**

Will not rust. Allows easy adjustment under pressure by using an innovative, quick-release sliding system.  
**C33993 — \$82.99**

**Q HEAVY-DUTY KICK STOP**

Prevent kicking at milking and udder treatment. Extra-strong, yet weighs only 4 lbs. Fits any size animal. Easy to apply with push-button adjustment. 1¼" dia. tubing on main body. ½" thick metal.  
**C18231 — \$29.99**

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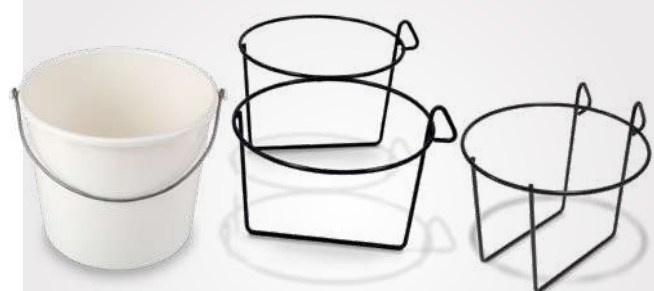


Nasco  
FARM & RANCH

**PLASTIC BUCKETS**

Additional ribs under the rim significantly improve strength. Grooved finger grip on bottom for easy pouring. Stacking ribs allow buckets to separate easier when stacked. Choose flat-back or round shapes.

Color	2-Gallon, Round Back (11½" x 8¾")	2-Gallon, Flat Back (11½" x 8¾")	5-Gallon, Flat Back (14¾" x 13")
Red	C29913	—	C24908
Blue	C29909	C24907	C29888
Hunter Green	C29911	—	C29889
Black	C29910	—	—
Yellow	C28252	—	C28250
Hot Pink	C28251	—	C28249
Purple	—	C28300	C28301
Each	\$8.49	\$8.29	\$11.59



**FEED PAILS WITH DOUBLE HOLDER**

8½-Qt. White Pail C31407 — \$7.39  
Double Pail Holder C18934 — \$17.29  
Single Pail Holder C31408 — \$10.89

**HANGING PAIL HOLDERS**

Hold a 10-qt. calf pail. Easy to install. Hang from any 2x4 board. ¼" wire with a black baked-on epoxy finish.

C14546 Double holder — \$19.99  
C12441 Single holder — \$11.29

**Wire Fence Pail Holders.** Same as above, except with two rigid hooks for hanging pails from a rigid wire fence. Top ring approximately 9¾" dia.

C30157 Double holder — \$20.49  
C28966 Single holder — \$11.49



**5-GALLON BUCKET HOLDER**

Designed to put on a gate. Welded steel. 13½"W x 12½"D x 12"H. Fits up to 12" dia. (5-gallon) bucket. C13104 — \$31.99



Nasco  
FARM & RANCH

**NASCO 8-GALLON (32-QT.) DELUXE XL PLASTIC FEED PAN**

Holds 45% more volume than a standard 22-qt. feed pan. Large, open-handle design provides a comfortable grip for easy carrying. Large diameter at pan bottom prevents tipping and spills. 8"D x 21" dia. C34651 — \$27.99



Nasco  
FARM & RANCH

**NASCO 5-GALLON DELUXE PLASTIC FEED PAN**

Heavy-duty with two easy-to-grip handles made of a co-polypropylene material. 17" dia. x 7"D.

Red C29466	Purple C32572
Black C29467	Maroon C32573
Green C29468	Orange C32574
Blue C29469	Lime Green C32575
Pink C32571	

Each — \$24.99



**CORNER FEEDER**

Can be mounted in a stall two different ways. 25½" x 19½" x 9¾". Plastic. C28255 — \$26.49



**4½-GALLON PLASTIC FEED PAN**

Durable, high-density polyethylene plastic. Strong handles make carrying large quantities easy. Fits securely inside tires to anchor. 17" dia. at the top, 10½" dia. at the bottom. 7¾"D.

Black C26597	Blue C26598
Green C26599	Red C26600

Each — \$14.99



**4-QT. FEED PAN**

Rugged rubber feed pan. 11" dia. x 4"D. C29885 — \$8.59



**DURAFLEX ADVANCED FLATBACK RUBBER BUCKET**

Crack-, crush-, and freeze-proof. Features wide openings, stacking ribs, and stronger handle connections. Easy to carry. Rests flat on the wall for storage. 2 gallons. C26459 — \$14.99



**10-QUART FARM AND HOME UTILITY PAIL**

All-purpose. Marked in quart graduations from 1-10 quarts and liter graduations from 1-10 liters. 9"H x 10¾" dia.

Red C11816	White C31475
Black C31467	

Each — \$10.49



**5-QT. TRAINER PAIL**

Excellent for starting calves. Extra-wide top keeps pail from falling through holders. Virgin high-density polyethylene. Fits the double pail holder (C12719, available online) and the hanging pail holder (C12441, above). C14383 — \$7.99



**15-GALLON LARGE-VOLUME RUBBER-FIBER FEEDER**

Equivalent to 1½ bushels. Safe and crushproof. Cannot rust, dent, or chip. Unharmed by salt, chemicals, or weather. No sharp edges or splinters. Top dia. 26" x 9½"H. Allow extra delivery time. C07010 — \$49.99



**DURAFLEX MOLDED RUBBER PANS**

Low enough to prevent being overturned by hogs and other small animals. Heavy-duty rubber is unharmed by salt, chemicals, or severe weather. One-piece molding with reinforced sides. Cannot be crushed or dented. Won't rust. No sharp edges and no corners. Stack to save space when not in use. 3-gallon with handles. 6¾"H x 17¾" dia. C34306 — \$15.99



**6½-GALLON ALL-PURPOSE UTILITY TUBS**

Tough tub works great as a feeding pan or washing pan. Impact-resistant plastic. Rim has hand grips. 18" dia. x 8"H.

Blue C33688
Red C33689
Green C33690

Each — \$17.99





*Nasco*  
**FARM & RANCH**

**NASCO HANGING PIG FEEDER**  
Heavy-duty feeder constructed of PVC and galvanized metal. Carabiner clips welded onto the end caps allow for easy attachment to wire panels. An anti-tip chain prevents spillage. 18"L x 8"W x 4"H.  
**C35047 — \$74.99**



**FENCE FEEDERS WITH CLIPS**  
Include two heavy-duty clips for hanging on wire fencing. High-impact polyethylene. Capacity: 4½ qts. liquid or 4 qts. dry. 11"L x 6¾"W x 6"H.  
**C34315 — \$15.79**



**8-QT. HOOK-OVER PLASTIC FEEDER PAIL**  
Molded bracket functions as a hanging bracket or carrying handle. Fits over any 2"W board. For more permanent mountings, place two screws in the holes on the handle.  
**C24906 — \$10.99**



**ANIMAL FEEDING BUCKET WITH HANGER**  
FDA-approved bucket with mounting design. Antibacterial mirror finish. High-strength, composite plastics survive extreme, harsh environments. 4-qt.  
**C24578 — \$6.79**



**DOUBLE TUF HOOK-N-FEED 14-QT. FENCE FEEDERS**  
Molded bracket hooks over any 2" thick board. For more permanent installations, set two screws in the holes. Top edge has rounded corners and easy feeder access. Easy-to-pour lip and handle hold. Inner bucket has calibration marks. 11" x 14¾" x 12½".  
**C29198 Purple — \$17.99**  
**C24548 Red — \$17.99**



**FORTEX® 5-QT. OVER-THE-FENCE FEEDER**  
Molded-in plastic bracket to fit snugly onto 2x4 rail. Heavy-duty design and construction. Capacity markings in quarts and liters. 9½" x 11" top x 5½"H.  
**C26747 — \$8.29**



**HIGH-BACK FEEDER WITH BRACKETS**  
Heavy-duty polyethylene with 1½" x 4½" metal brackets made to go over 2x4 or larger boards. 26¾"L x 17¾"W; depth tapers from 11¾" to 7¾". Color may vary. Allow extra delivery time.  
**C13440 — \$63.49**



**HANGING SHEEP FEEDERS**  
Molded plastic withstands the elements and animal abuse. Easily hang on fences. Hang on 2½" boards. Metal brackets.  
**1'. 10"W x 16¾"L x 5"D. C13126 — \$29.99**  
**2'. 10"W x 27½"L x 5"D. C13127 — \$39.99**  
**3'. 10"W x 40½"L x 5"D. C13128 — \$48.99**  
**4'. 10"W x 48"L x 5"D. Allow extra delivery time. C16703 — \$78.99**



**HANGING HAY BASKETS**  
Hang over 1½"W or smaller frame. ¼" round metal with 2¾" between bars. 1-year warranty. Allow extra delivery time.  
**Large. 47"L x 12"W x 20"H. C18258 — \$184.99**  
**Small. 20"L x 9"W x 20½"H. C18259 — \$89.99**



**HAY FEEDER**  
¼" wire with a smooth, powder-coat finish. 16½"W x 10¼" opening. Mounts to wall with bolts or screws (not included).  
**C25279 — \$20.49**

**A BASIC GOAT & SHEEP BUNK FEEDER**  
Lightweight, hot-dipped galvanized steel for extended life. Accommodates 10 mature goats and/or sheep at feeding time. Long-lasting polyethylene trough with one-piece construction for easy cleaning. 43"L x 31"W x 45½"H. Allow extra delivery time.  
**C31950 — \$499.99**

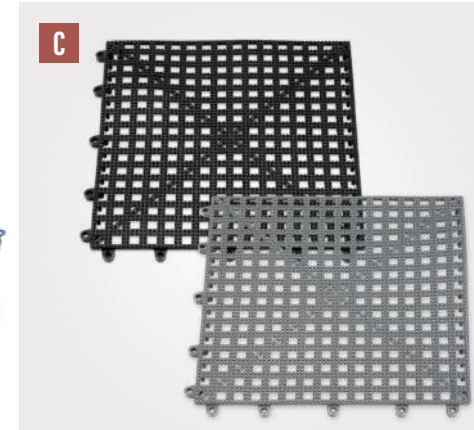
**B 5-PINT PLASTIC FEED SCOOPS**  
Lightweight, high-impact flexible plastic with "ribbing" for strength. 5-pint capacity.  
White **C07002**  
Blue **C29661**  
Each — \$7.49

**C DRI-DEK® FLOOR SYSTEM**  
Relief for your legs, feet, and back. Interlocking tiles snap together. Flame-resistant polyvinyl chloride packed with oxy-BI™, an EPA-approved fungicide for fighting mold, mildew, and bacteria. Won't rot, splinter, flake, soil, discolor, tear, or unravel. Self-draining, self-cleaning design — just hose it down. 5-year warranty. Not recommended for horses.  
Black **C13425** Gray **C13426**  
Each — \$6.29

**D GALVANIZED FEED SCOOPS**  
Heavy-gauge galvanized steel scoops. Riveted handles.  
**C29666 3-qt. — \$13.49**  
**C30297 4-qt. — \$14.99**  
**C30298 6-qt. — \$15.99**

**E RUBBER MAT**  
Precut rubber utility mat ideal for animal environments. Nonporous surface will not harbor bacteria. Bottom side is grooved for drainage; ribbed top side for traction. 70% recycled rubber and 30% styrene butadiene rubber (SBR) that will not shrink, curl, or crumble. Easy to lift, move, and clean. ISO 9001 certified. 96"L x 40"W x ¼" thick. 1-year warranty.  
**C32321 — \$129.99**

SHOP OUR FULL SELECTION AT  
**NascoFarmandRanch.com**





**OPTIMA LIVESTOCK SCALE**

Livestock scale with cage for weighing hogs, sheep, small cattle or ponies. Constructed of heavy-duty materials and comes with the necessary parts for weighing livestock. Equipped with 2 wheels for easy mobility as well as pull out handles that extend out or slide back out of the way. Features 4 sturdy rubber feet to provide traction and stability. Includes watertight stainless steel backlit LCD display, accumulation mode to total weights, built-in communication port, tilt adjustable wall or desk mount, and rechargeable battery with AC adapter. 5" H platform. Capacity: 2,000 lbs. x .5 lb. Platform size is 30"L x 60"W. Cage is 37"H. Allow extra delivery time. CHOKING HAZARD (1). Not for under 3 yrs. **Z50128 – \$1,599.99**

**CAF CART® DIGITAL SMALL ANIMAL SCALE**

Leveraged lift handle for easy loading, lifting, transporting, and unloading animals. Stainless steel load cell design offers accurate weighing when resting on uneven ground. Headlock secures animal's head. High strength steel tubing frame, 22-gauge galvanized side panels, and diamond plate aluminum floor. 15' electronic cable. Features auto shutoff and conservation settings, three mount bracket options and two load cell connections. 26" pneumatic tires roll easily over uneven ground. Cart enclosure inside dimensions: 41"L x 15"W x 38"H. 300-lb carrying capacity. Accuracy: ±1%. Includes two load cells (16") and 1" digital display with 6 characters. Allow extra delivery time. **Z50733 – \$3,999.99**



**WAYPIG® DIGITAL SCALES**

Averages animal's weight in seconds, with 99% accuracy. Gates on each end have latches at top and bottom, yet open with a flip of a lever. Removable side bars. Two stainless steel load cells under the floor absorb the shock load of active animals during weighing. Seamless housing protects electronics from dust and moisture. Features a LCD display with large numbers. Includes AC/DC converter (110V). Allow extra delivery time.

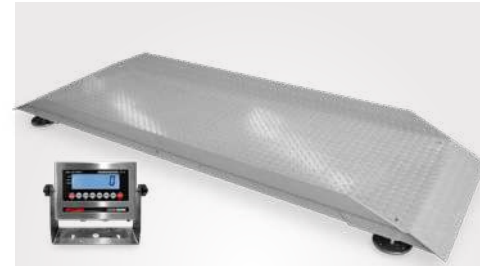
**Sow Scale.** 500-lb. capacity. 50"L x 27"W x 56"H. Allow extra delivery time. **Z42134 – \$2,899.99**

**Sow & Boar Scale.** 500-lb. capacity. 62"L x 27"W x 56"H. Wheels not included; wheel and handle kit sold separately (Z42132, available online).

**Z42133 – \$3,099.99**

**Digital Market Hog Scale.** 300-lb. capacity in 1-lb. increments. 53"L x 22"W x 46"H. Wheels not included; wheel and handle kit sold separately (Z42132, available online).

**Z42129 – \$2,559.99**



**OPTIMA LIVESTOCK ALLEYWAY SCALE**

84" x 30" platform with 6"L ramps and 4"H side rails. Motion-sensing technology delivers accurate weight. Stainless steel LCD display with rechargeable battery. 2-year warranty on platform; 1-year warranty on electronics. Capacity: 5,000 lbs. x 1 lb. Allow extra delivery time. CHOKING HAZARD (1). Not for under 3 yrs. **Z50127 – \$1,599.99**



**OPTIMA PORTABLE LIVESTOCK SCALE**

Indicator with large LCD display, metal-shielded cable (18'L), handles and wheels, and AC or battery operation. Platform is 20" x 50" x 2½" H. Allow extra delivery time. CHOKING HAZARD (1). Not for under 3 yrs. **Z50125 1,000 lb. x 0.2 lb. – \$849.99**  
**Z50126 2,000 lb. x 0.5 lb. – \$849.99**

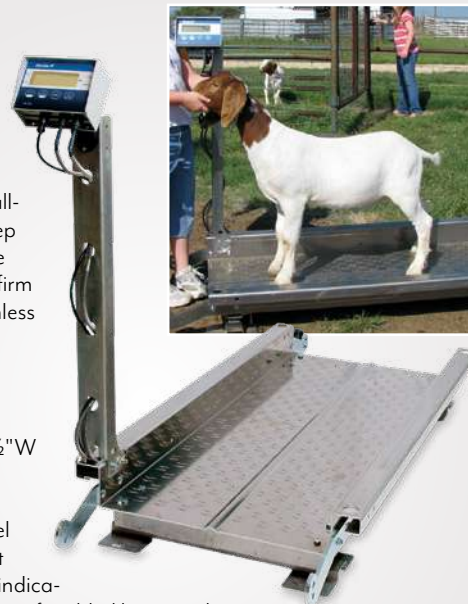


**HOOK DOCTOR**

The first and only product of its kind — a dual purpose tool for the cattleman. Large hook assists in safely and humanely controlling an animal's head by hooking the cheek. Small hook is ideal for catching calves by the leg. Use for routine procedures like tagging, mouthing, administering boluses, and catching or sorting. **C35340 – \$55.99**

**DIGI-STAR WRANGLER JUNIOR SCALE**

Rugged, portable scale with 4" deck makes it easy for small-stature animals to step on. Displays accurate readings on uneven, firm surfaces. Pair of stainless steel load cells offers a 3,300-lb. capacity. Brite-tread, nonskid, aluminum platform measures 54"L x 28½"W (23" inside width). 4" sides accommodate your side panels. Steel indicator display post folds down. SW300 indicator features weatherproof molded housing that withstands temperature extremes and vibration, an auto-off feature, and several backlight display settings. Scale includes SW300 indicator, 120V power converter, flexible indicator RAM mount, 2 load cells (24") with stainless steel cable guard, and aluminum deck. Lift handle and wheel kit not included. 3-year warranty. Allow extra delivery time. Available in 240V through special order. **Z45641 – \$2,949.99**



**OPTIMA BENCH SCALE WITH BACK RAIL & WHEELS**

Speed and accuracy with a heavy-duty platform and stainless steel enclosure. Selectable weight units (lb. and kg), along with gross, tare, and net conversion functions. Bidirectional serial port, auto shut-off, and sleep modes. Features high resolution with overload protection. Includes diamond-plated platform (18"L x 24"W x 8½"H), shroud, indicator (legal for trade), load cells, column, wheels, and hardware. Capacity: 500 lbs. x 0.1 lbs. NTEP class III, 5,000 divisions, legal-for-trade certification. U.S. legal for trade CC#:11-016. Canada legal for trade CC#: AM-5817. Allow extra delivery time. CHOKING HAZARD (1). Not for under 3 yrs. **Z48489 – \$899.99**



**OPTIMA VET SCALE**

Removable platform. Scale base can be positioned up to 10' away from display. Scale and display are rechargeable battery powered (included) with automatic sleep mode. Includes automatic zero tracking and hold features for accurate weighing. 43" x 20" stainless steel surface with low-profile 2"H weighing platform. Can be used on floor or tabletop. Anti-skid rubber mat. Capacity: 1,000 lbs. x 0.2 lbs.; load cell capacity is 2.2 times scale capacity for overload protection. Heavy-duty, 19', metal shielded, quick-connecting cable. Indicator features steel construction, backlit LED with tilt adjustable wall or desk mount stand, accumulation mode to totalize weights, weighs in lbs. or kg, built-in communication port, and AC adapter. Allow extra delivery time. **Z48516 – \$499.99**



**DIGI-STAR WRANGLER ELITE LIVESTOCK WEIGHING SYSTEM WITH PLATFORM**

Weighs accurately on uneven, firm surfaces. Advanced signal filtering provides stable reading with active animals. 1" LCD, 14-segment display provides excellent visibility. Compact, reliable SW300 indicator for more than 50 hours of use. "Lock-n-hold" feature holds animal's weight after it leaves. Automatic "zero tracking" helps eliminate the effects of dirt and manure build-up. Changes between lbs. or kg. Front-panel programmability for setup and calibration. Two weigh beams (24") with 15' stainless steel shrouded cables connect directly to indicator. 3,300-lb. capacity. Stainless steel load cell mounts. Two weigh beam system bolts onto nonskid aluminum platform. System includes SW300 indicator and mount, 24" load cells with 15' cables, 90"L x 24"W platform (hardware included), and a 120V AC/DC power supply. 3-year warranty. Allow extra delivery time. Available in 240V through special order. **Z30422 – \$2,899.99**

**Wrangler Standard Weighing System without Platform.** Includes everything in the system above, except the aluminum platform. 3-year warranty. Available in 240V through special order. Allow extra delivery time. **Z30350 – \$2,099.99**

**Stockweigh Electronic Scale Package with 33½" Load Cells.** Same as system without platform (Z30350, above), plus an easy-to-use indicator with three operation keys, plus an on/off key. "Aero" key clears indicator. Scrolling help messages. Indicator housing is made of seamless, high-impact, weatherproof Lexan. 3-year warranty. Available in 240V through special order. Allow extra delivery time. **Z15211 – \$1,799.99**

**DIGITAL SCALE WITH WALL-MOUNT CONTROL PANEL**

Handles heavy packages and containers. Digital control panel wall-mounts for easy access and readability. Features all-steel platform, detachable ABS plastic control panel with 9'L cord, LCD digital display, shock-resistant load cell, tare switch, nonskid feet, 150-lb. (68 kg) capacity, and 0.2-lb. (0.1 kg) resolution. Includes AC adapter. Body measures 12" x 12½" x 2¼"; control panel measures 5" x 3" x 1¼". **C16685 – \$275.00**





**DURAFORKS**

Super-tough polycarbonate plastic fork head is flexible and outlasts ordinary plastics. Angled tines for easy manure pickup with less spilling. 52"L handle. 15"W at top, 13½" at bottom, and tines are 9"L.

**A DuraFork with Anodized Aluminum Handle.** Allow extra delivery time. **C24547 – \$47.99**

**B DuraFork with Hardwood Handle**  
**C19435 – \$21.49**

**Replacement Head Only for DuraFork**  
**C29891 – \$20.19**

**C FOREVER FORK**

The only manure fork you'll need. The highest quality plastic in the world, this fork is lighter and easier to manage. 55½"L. Allow extra delivery time.

**C34381 – \$53.39**

**D THE FUTURE FORK**

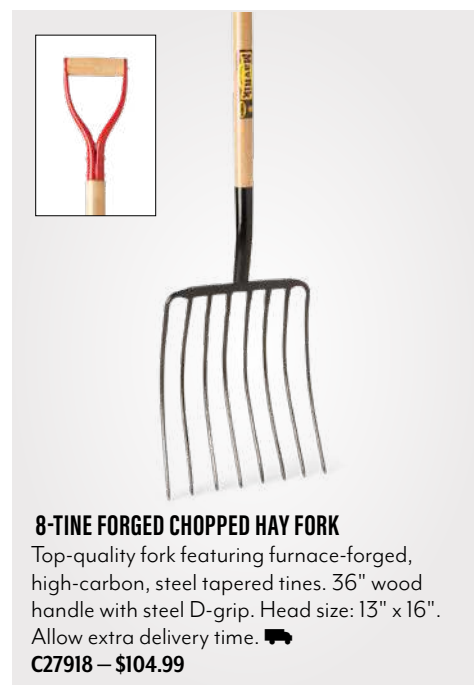
Unbreakable, high-tensile strength polymer. Ultra lightweight, strong, and durable. 51"L wood handle. 16"W at top, 13" at bottom. 16 tines (8½"L). Allow extra delivery time.

**C13571 – \$23.29**



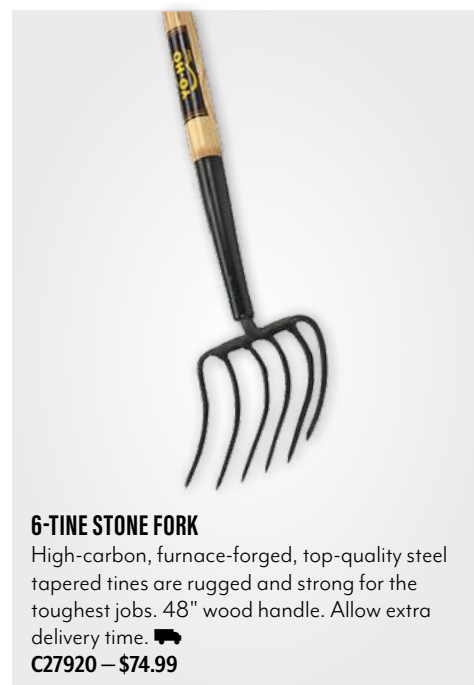
**5-TINE MANURE FORK**

13"L polished oval tines. 10" W at points, 48"L wood handle. Allow extra delivery time. **C00862 – \$45.99**



**8-TINE FORGED CHOPPED HAY FORK**

Top-quality fork featuring furnace-forged, high-carbon, steel tapered tines. 36" wood handle with steel D-grip. Head size: 13" x 16". Allow extra delivery time. **C27918 – \$104.99**



**6-TINE STONE FORK**

High-carbon, furnace-forged, top-quality steel tapered tines are rugged and strong for the toughest jobs. 48" wood handle. Allow extra delivery time. **C27920 – \$74.99**

**MUCK STALL CLEANING PACKAGE**

Everything needed to clean muck stalls. This 70-qt. tub fits securely on the cart. Drop-down retaining ring on cart makes it easy to load and unload tub even when heavy. Large pneumatic tires allow cart to maneuver over almost any terrain. 350-lb. weight capacity. Folds for storage. Features a retractable kickstand and adjustable handle height. Package includes Muck Cart (C28248, below, cart dimensions 31½"L x 28½"W x 35½"H), 70-qt. muck bucket (C12623, below), and 52" DuraFork for easy manure pick up (C19435, p. 145). Allow extra delivery time.

**C28298 – \$129.99**

**Muck Cart Only.** Allow extra delivery time.

**C28248 – \$134.99**

**70-Qt. Muck Bucket.** Made of a heavy-duty polymer alloy. Resists the effects of chemicals, weather, strong detergents, fertilizers, and acids. Low, wide shape for easy cleanup. Molded one-piece construction with ½" polypropylene handles reinforced with heavy-duty brass grommets. 21½" top dia. x 16½"H. 70-qt. (2-bushel) capacity. Allow extra delivery time.

**C12623 – \$27.50**



**CARRY-IT® CART**

Molded from a single sheet of high-molecular polyethylene, it hauls loads up to 300 lbs. Can hang wall for storage. Tub will not rust or rot. Capacity: 7 cu. ft. (6 bushels), 300 lbs., 50-gallon liquid capacity. Large 20" pneumatic tires with sealed ball bearings. Rugged steel axle. Only 32" W, easily fits through a standard doorway or gate. Tub: 44"L x 24"W x 12"H. Cart: 58"L x 32"W x 24"H. Allow extra delivery time.

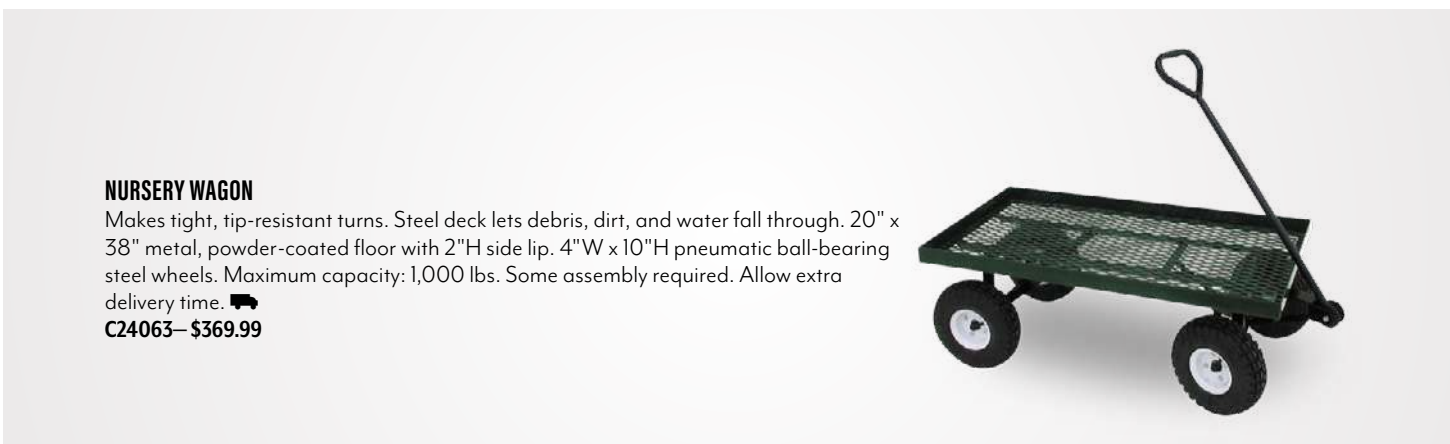
**C13903 – \$399.99**



**FARM TOUGH™ CART**

Smooth, seamless one-piece construction. Reinforced ribs add impact resistance. Large, 20" x 2½" pneumatic wheels roll over most surfaces. 200-lb. load capacity, 3½ cu. ft. level capacity and 6¼ cu. ft. heaped capacity. 27½"L x 24¾"W x 47"H. Allow extra delivery time.

**C15942 – \$479.99**



**NURSERY WAGON**

Makes tight, tip-resistant turns. Steel deck lets debris, dirt, and water fall through. 20" x 38" metal, powder-coated floor with 2"H side lip. 4"W x 10"H pneumatic ball-bearing steel wheels. Maximum capacity: 1,000 lbs. Some assembly required. Allow extra delivery time.

**C24063 – \$369.99**



**YO-HO #12 POLY SCOOP/SHOVEL**  
Rugged shovel with 30" L wood handle. Poly D-grip. Blade size: 15" x 19". Allow extra delivery time. 🚚  
**C20000 – \$47.49**



**YO-HO PRO #14 HEAVY-DUTY ALUMINUM WESTERN SCOOP**  
Contractor-grade scoop. Composite handle with a tough fiberglass inner core. Molded polymer exterior. D-grip handle (30" L). Blade size: 15" x 20" x 0.100" thick. Allow extra delivery time. 🚚  
**C26343 – \$59.99**



**POLY GRAIN SCOOP**  
#12 ABS poly scoop measures 15" x 19" and comes with a 48" L wood handle. Allow extra delivery time. 🚚  
**C27953 – \$49.99**



**HEAVY-DUTY #10 ALUMINUM SCOOP**  
Poly D-grip. 30" L wood handle. Blade size: 13 1/2" x 18" x 1/16". Allow extra delivery time. 🚚  
**C26338 – \$59.99**



**YO-HO #14 ALUMINUM WESTERN SCOOP**  
Rugged scoop with durable 30" L wood handle. Steel D-grip. Blade size: 15" L x 20" x 0.080" thick. Allow extra delivery time. 🚚  
**C20002 – \$59.99**



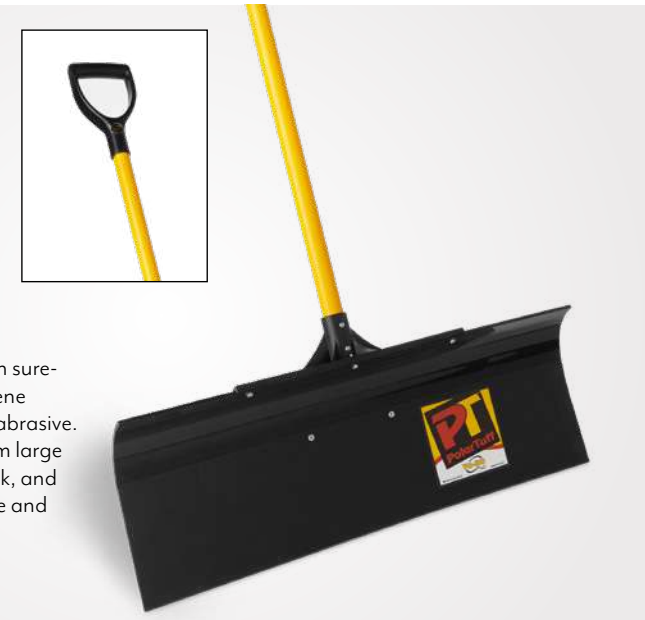
**SCRAPER/SQUEEGEE**  
Ideal for wet areas and crossovers. 20" W scraper/squeegee head made of reinforced nylon material with 60" L handle. Allow extra delivery time. 🚚  
**C34734 – \$49.99**



**30" BRACED SPRING-STEEL PUSHER**  
Get years of use out of this durable shovel. Spring steel blades flex under stress. One-piece steel brace provides extra strength and stability. 30" L x 12" W blade. 48" L handle. Allow extra delivery time. 🚚  
**C23674 – \$59.99**



**PLASTIC BRISTLE BARN BROOM AND HANDLE SET**  
Long-lasting, heavy-duty plastic bristles resist collection of dirt and refuse on tips and can't rot down. Ideal for use in damp and wet areas. Won't ball up on bristle ends. 16" broom. 54" wood handle.  
**C26398 – \$27.99**



**POLAR TUFF SCRAPERS**  
Heavy-duty fiberglass handle with sure-grip strips. Tough, rigid polyethylene blade is self-sharpening and nonabrasive. Quickly remove light snowfall from large areas. Works great for decks, brick, and stonework. 54" L fiberglass handle and oversized poly D-grip.  
**C26339 36" scraper – \$159.99**  
**C26340 24" scraper – \$109.99**



**12" MANURE HOE**  
Comfortable angled handle allows the right amount of pressure for scraping down gutter grates, cow bedding, etc. 12" W stainless steel blade with 60° angle. Curved 58" L x 1" dia. handle of powder-coated steel. Allow extra delivery time. 🚚  
**C14588 – \$54.99**



**HEAVY-DUTY FLOOR SCRAPER**  
Reversible blade. Angled handle allows for scraping even hard, frozen material. Handle and braces are triple-coated galvanized steel tubing. 7" x 24" blade; 58" L x 1" dia. handle. Stainless steel. 15-gauge steel. Allow extra delivery time. 🚚  
**C14590 – \$79.99**



**HEAVY-DUTY CORN BROOM**  
10 1/2" trim, 13" flare, blended corn with 4 sews and steel band. Varnished wood handle. 56" L. Allow extra delivery time. 🚚  
**C23637 – \$22.79**

**A HOT-SHOT® DURAPROD™ LIVESTOCK PROD**

Sealed motor and circuit isolation technologies deliver consistent, superior performance. Over-molded handle is easier on hand and wrist. Hand guard prevents slipping. Oversized trigger for easy operation. Safety switch prevents accidental use. Snap-lock battery pack detaches quickly to reduce down time. Hand-shock resistant. 1-year warranty. **Shafts not included.**

**Prod with Rechargeable Battery Pack.** Charging base not included. See options at right.  
**C30374 — \$209.99**

**Prod with Alkaline Battery Pack** **Base with 110V Adapter.** Powers a Hot-Shot® DuraProd™ using 110V AC.  
**C30375 — \$139.99** **C29638 — \$129.99**

**B "THE RED ONE" HOT-SHOT® BATTERY-OPERATED PROD (SABRE SIX)**

Batteries and motor in handle give balance like a fly rod. Switch button. Safety clip prevents accidental operation. Does not retain a spark. Easy to maneuver through truck gate openings. Choose standard 1/2" dia. fiberglass shaft or a flexible polycarbonate shaft. 1-year warranty on parts and labor.

**C33850** 32" flexible shaft — **\$89.99**  
**C30358** 36" fiberglass shaft — **\$84.99**

**OFFICIAL WARNING**  
It is illegal to ship or carry these products outside the United States. Nasco agrees to sell you this product only under the condition that you will not ship or carry it outside the U.S. without a Federal Export License. Contact Nasco for more information.

**LIL' SHOCKER HANDY PROD**

Advanced electronics, insert-molded brass prongs that hold no residual charge, and an ergonomic design. On/off switch prevents accidental shock.  
**C31241 — \$38.99**

**HOT-SHOT® POWER MITE**





Lightweight, compact cattle prod for close-in work. Durable case is made of tough Cyclo-lac®. Transistorized circuitry for trouble-free operations. Includes a safety-lock switch, wrist thong, and batteries. 6 1/4" x 2" x 1 1/4".  
**C30360 — \$66.49**

**SORTING FLAGS**

Work well for turning, moving, and sorting cattle and horses; flagging colts; and for lunging horses. Tightly woven nylon thread, large rubber handle, and ripstop nylon flag. Colors vary.  
**C28845** 52"L — **\$24.99**  
**C28846** 60"L — **\$25.99**

**SORTING POLES WITH GOLF GRIP**

4 1/2' sorting poles are made of 1/2" fiberglass with golf grip for comfort.

	Blue	<b>C31546</b>
	Orange	<b>C31869</b>
	Green	<b>C31868</b>
	Red	<b>C31883</b>

**Each — \$11.99**



**C "THE GREEN ONE" HOT-SHOT® PRODS**

Excellent performance especially on wet animals. Provide highest output with least amount of power. Safety clip prohibits accidental operation and does not retain a spark. Permanently sealed, maintenance-free motor can't be damaged by dirt or moisture. Maximum spark and battery life. Standard fiberglass shaft or a flexible polycarbonate shaft included. Choose battery-operated or rechargeable models.

**Hot-Shot® Battery-Operated Prods (HS 2000).** 1-year warranty.  
**C30363** 36" fiberglass shaft — **\$131.99** **C30366** 32" flexible shaft — **\$144.99**

**Hot-Shot® Rechargeable Prods.** Includes battery pack. Charger not included. 1-year warranty.  
**C30364** 36" fiberglass shaft — **\$189.99** **C30365** 32" flexible shaft — **\$199.99**

**Replacement Motor.** For both battery-operated and rechargeable prods above.  
**C30367 — \$81.99**

**Rechargeable Battery Pack.** For all rechargeable shaft-type Hot-Shot® prods. Includes 6 nickel-cadmium cells. Fully recharged in 8-12 hours by 110V outlet.  
**C30377 — \$114.99**

**Charger Units.** For rechargeable battery pack (C30377, listed above).  
**C14774** 12V unit — **\$25.99** **C10833** 110V unit — **\$24.99**

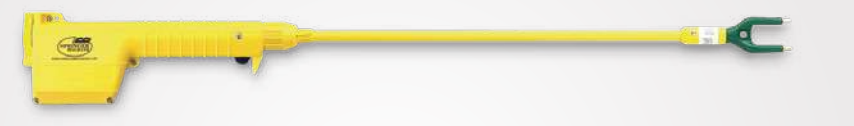
**STANDARD FIBERGLASS HOT-SHOT® SHAFTS**

Fit all shaft-type prods on this page.  
**C07841** 60"L shaft (actual length: 51 3/4") — **\$27.99**  
**C08155** 36"L shaft (actual length: 27 3/4") — **\$25.99**

**SPRINGER MAGRATH BATTERY-OPERATED CATTLE PROD**

Clog-free, no-ground tip. Tough, flexible 22" L shaft bends to a 90° angle even in cold weather and returns to its original shape. Durable, solid-state electronic system transmits a very low current to an animal with a strong, instantaneous jolt. One shock is stored in the tip after release of the fingertip switch. High-impact plastic case. 37 1/2" L overall. Includes a 22" shaft, a Power Pak handle, and 4 size "C" alkaline batteries. **Cannot be sold outside the U.S.A.**  
**C30361 — \$134.99**

**Replacement Shaft Assemblies.** Includes collar and nut.  
**C30380** 9"L — **\$26.49** **C30362** 22"L — **\$27.19**  
**Power Pak Handle Only.** Batteries not included.  
**C30370 — \$67.99**



**RABBIT HUTCH COMPLETE KIT**

Kit includes 24" x 24" x 16" hutch, plastic dropping pan, frame kit, 5" sifter feeder with lid, 32-oz. water bottle, cage clips, and wire clip pliers.  
**C29884 — \$149.99**

**24" x 24" Rabbit Hutch.** Rust-resistant wire mesh. Door is surrounded by protective vinyl guards with spring-tension door latches. Wire mesh bottom is 1" x 1/2"; sides are 2" x 1". Includes wire cage clips. 24"L x 24"W x 16"H.  
**C34817 — \$57.99**



**30" X 36" RABBIT HUTCH**

Galvanized steel wire mesh hutch for indoor and outdoor use, chew-proof, rust resistant, and easy to clean. Door is surrounded by protective vinyl guards, with spring-tension door latch. Sides are 2" x 1" mesh and bottom is 1" x 1/2" mesh. 30"L x 36"W x 16"H. Easy assembly required; wire clips are included. Hutch is stackable up to four high when used with the Frame Kit (C33470, below).  
**C33468 — \$69.99**

**Rabbit Hutch Frame Kit — 30".** Suspends the hutch over the dropping pan so the pan can slide out for easier cleaning. Also conserves space by allowing hutches to be stacked up to four high by bolting frame kits together. Kit contains 4 legs, 2 pan rails, and 4 sets of bolts, washers, and nuts. Legs are 23 1/2" L x 2 3/16" W, made of rust-resistant, heavy-gauge galvanized steel. Straight-blade screwdriver and two 7/16" wrenches (not included) required for assembly. Works with C33468 (above).  
**C33470 — \$29.99**

**Metal Rabbit Hutch Dropping Pan.** Heavy-duty galvanized steel, 2 3/4" deep dropping pan. Riveted corners and hemmed edges for long-lasting stability. Pan pulls out for easy cleaning. 30" x 36". Fully assembled.  
**C33471 — \$59.99**

**Urine Guards.** Helps prevent urine from spraying out of the back and sides of the hutch. Attaches easily to wire mesh with pre-formed tabs (no tools required). Side guards are 29 3/4" L x 4" H; back guard is 36" L x 4" H.  
**C33473 — \$20.49**

**RABBIT AND SMALL ANIMAL FEEDER WITH LID AND SIFTER BOTTOM**

Independent wire hooks for inside attachment. Gravity design dispenses several days' worth of feed a little at a time. Hinged metal lid. Wire mesh bottom. Chew-proof, rust-resistant, heavy-gauge galvanized steel. 5 1/2" L x 7 7/8" W x 7 7/8" H.  
**C33469 — \$14.69**



**ECOFLEX™ COLUMBIA RABBIT/SMALL ANIMAL HUTCH**

Ideal for a single rabbit or pet. Lower level gives access to grass. Access upper level with ramp. One side of upper level is open to the outside covered with same wire as lower level; the second side, separated by an interior wall, provides a private space for "burrowing." Upper level door has predator-resistant lock. Roof flips open. Made from a composite blend of recycled polymers and reclaimed poplar wood fibers. Won't warp or splinter. Can be painted or stained. Water-proof so urine and feces wash away with a rinse from a hose. 20-gauge, 1/2" x 1/2" wire is galvanized. 20-minute assembly requires no tools. 44"L x 19"W x 30"H. Limited 10-year warranty. Allow extra delivery time.  
**Z47872 — \$324.99**



**WIRE POP-UP RABBIT CAGE**

Just unfold and pop up. Top- and front-door access and a removable floor for guinea pigs, chinchillas, and ferrets. Durable, easy-to-clean pull-out plastic tray, rounded corners, and evenly spaced wire for hanging feeders and waterers. Dual handles. 31"L x 17"W x 20"H. Best for medium-size rabbits and guinea pigs.  
**C28242 — \$94.99**



**PEST-PROOF DOG FEEDER**

Feeds dogs 70 lbs. and under for several days. Holds 25 lbs. of dog food. Has a swinging door that the dog pushes in to eat. Closes automatically when feeding finishes. Keeps out pests, rain, and flies. Rust-resistant, heavy galvanized metal. 10"D x 12"W x 22"H.  
**C05202 — \$56.99**

FIND MORE PET SUPPLIES AT  
[NascoFarmandRanch.com](http://NascoFarmandRanch.com)

**JOBE™ TOPAZ™ VALVE**

For tanks that have the valve mounted above or below water. Diaphragm allows valve to give flows of up to 90 gallons per minute. Noncorroding materials. Mounts horizontally or vertically, pressure rating 5–100 psi, and withstands water up to 140° F. Also has a port to connect the Frostpro antifreeze device (C25063, below).  
**C19732 — \$91.99**



**JOBE™ MEGAFLW™ VALVE**

Mounts under water on the side, or on the bottom. Diaphragm allows to give flows up to 90 gallons per minute. Noncorroding. 3/4"–2 1/2" water level differential, 5–150 psi pressure rating, and inlet filter. Underwater installation helps avoid freezing. Withstands water to 140° F.  
**C19731 — \$67.49**  
**Service Kit.** Replacement diaphragm assembly for use on Megaflow™ or Topaz™ valves.  
**C34140 — \$19.99**



**FREELAND® FREE-FLO™ FILL VALVE**

Amazing automatic stock tank water valve makes float-type valves obsolete. Needs no float, rod, or guard. Corrosion-proof, non-siphoning valve maintains water level from 4"–20" above valve. 16" water level adjusting knob. Easily installed in new or existing systems. Mounts in side wall, out of reach of livestock. Includes hook-up kit. For water pressure between 12–125 psi.  
**C10772 — \$30.49**



CUSTOMER FAVORITE

**JOBE™ ROJO™ FLOAT AND VALVE FOR LOW-FLOW APPLICATIONS**

For small numbers of animals. Flows of up to 6 gallons per minute. Features side, bottom, and top mounting; supplied with backnut and seal washer; built-in check valve; fully adjustable float angle; and pressure range of 0–150 psi. Noncorrosive construction. Withstands water up to 140° F.  
**C25064 — \$39.99**



**JOBE™ TOPAZ™ FROSTPRO**

Trickle valve minimizes freezing of valves and pipes. Attaches to top of Topaz™ Valve (C19732, left) or Vortex Float Valve (C32889, right) and is turned on manually. Lead free; certifies as acceptable for use in potable water systems. Use with Topaz™ or Vortex Valves only.  
**C25063 — \$17.99**



See page 162 for hose selections

**JOBE™ VORTEX FLOAT VALVE**

For above water mounting. Float operates a small pilot valve that operates main diaphragm valve. Noncorrosive. Variable float levels. Features high flow, 3/4"–2 1/2" water level differential, mounts horizontally or vertically, pressure rating of 5–100 PSI, and withstands water up to 140° F. Has a port to connect the Frostpro antifreeze device (C25063, left).  
**C32889 — \$314.99**



**MILLER TROUGH-O-MATIC FLOAT VALVES**

Valves flow up to 245 gallons per hour and operate between 20–50 psi. Each valve comes with expansion brackets to fit tank rims up to 4 5/16" W x 2"H. Accepts standard 3/4" garden hose. 7 1/2" L x 3" W x 3 1/2" H.

- A Plastic Float Valve.** Molded from high-grade polystyrene.  
**C32939 — \$17.49**
- B Metal Float Valve.** Durable aluminum housing with nylon orifice.  
**C32940 — \$26.99**



**DARE-O-MATIC UNIVERSAL FLOAT VALVE**

High-impact, weather-resistant polymer plastic housing for outdoor use. Attaches directly to garden hose. Capacity to 300 gph.  
**C04622 — \$12.29**

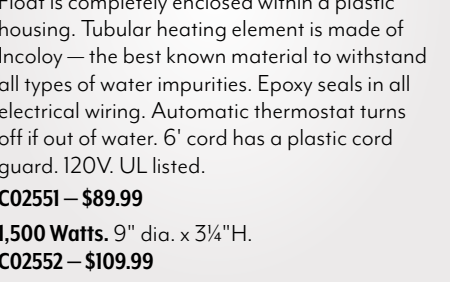
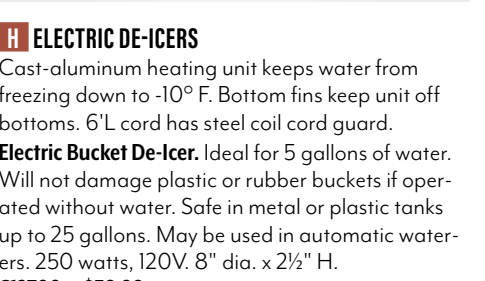
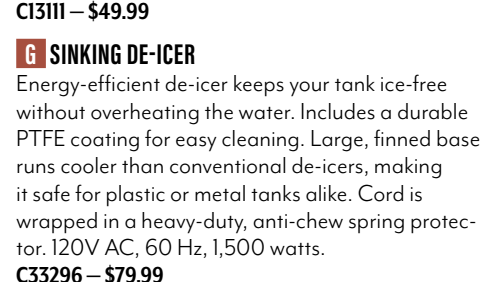
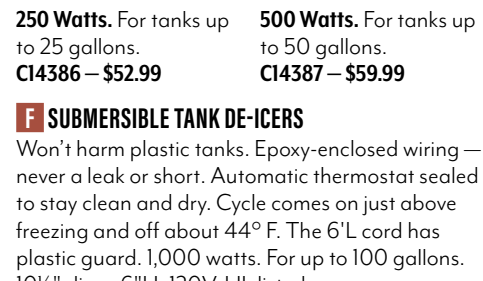
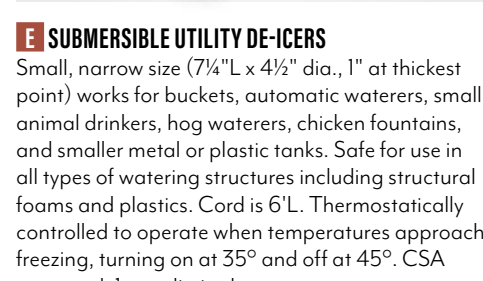
**DARE-O-MATIC NON-SIPHONING FLOAT VALVE**

Complies with basic anti back-siphoning regulations. Hangs over edge of tank. For pipe or garden hose, not to exceed 3/8" I.D. Water inlet is never less than 2 1/8" from lower vacuum breaker holes. 300 gph capacity. Aluminum housing with removable nonsiphoning unit.  
**C07392 — \$29.99**



**HUDSON NONSIPHON WATER CONTROL VALVE**

Damage-proof, self-regulating, maintenance-free water control valve for high-volume delivery. 2,400 gallons per hour 40 psi. Unlimited flow delivers water as fast as it runs through line. Automatic positive shut-off operates efficiently at a pressure of 8 to 100 psi. Valve is 3 3/4" W x 5" H and operates on a 1" line. Installs easily in troughs or tanks. 2-year guarantee.  
**C12631 — \$43.99**  
**1" Valve Repair Kit.** Includes retainer ring, diaphragm, float, shut-off pad, and screen.  
**C13746 — \$19.99**



E

F

G

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I

J

C19381

C32938

**LARGE-CAPACITY DURAMATE AUTOMATIC WATERERS**

Float-controlled 4-gallon waterers hook up to a standard 3/4" garden hose to deliver water 24/7 in above-freezing temperatures. Metal brackets included for fence or wall installation (hardware not included), plus 30" hose with female attachment. Molded from impact-resistant polyethylene resin. Operate at a pressure between 20–50 psi. 14 1/4" L x 17 1/2" W x 10 3/4" H. 1-year warranty.

- Red C19381
- Green C32202
- Blue C32201

Each — \$56.99  
**Auto Waterer with Metal Cover.** Black.  
**C32938 — \$56.99**

**H ELECTRIC DE-ICERS**

Cast-aluminum heating unit keeps water from freezing down to -10° F. Bottom fins keep unit off bottoms. 6'L cord has steel coil cord guard.  
**Electric Bucket De-Icer.** Ideal for 5 gallons of water. Will not damage plastic or rubber buckets if operated without water. Safe in metal or plastic tanks up to 25 gallons. May be used in automatic waterers. 250 watts, 120V. 8" dia. x 2 1/2" H.  
**C12700 — \$58.99**

**Submersible Tank De-Icer.** For large tanks over 200 gallons. Use in a tank up to 300 gallons. 1,500 watts, 120V. UL listed. 3-year warranty.  
**C12377 — \$81.99**

**I K&H ULTIMATE STOCK TANK DE-ICERS**

Can be used as a floating de-icer or converts in seconds to a submersible de-icer with the click of a button. Safe for all stock tanks. Full cage included; no guard needed. Includes a cord clip to keep the 5' cord away from reach. MET listed. 2-year warranty. 1,000 watts.  
**C32862 — \$54.99**

**J HOT-SCOT SPACE HEATER**

An excellent supplemental or replacement heater. Ideal for use beneath livestock waterers or in well houses. Not submersible. Compact size (8 1/8" x 3" x 2 1/8") allows flexible usage. 450-watt, 120V heater has adjustable thermostat, and operates from 30°–150° F. Cord is 8 1/2" L.  
**C25372 — \$54.99**

**E SUBMERSIBLE UTILITY DE-ICERS**

Small, narrow size (7 1/4" L x 4 1/2" dia., 1" at thickest point) works for buckets, automatic waterers, small animal drinkers, hog waterers, chicken fountains, and smaller metal or plastic tanks. Safe for use in all types of watering structures including structural foams and plastics. Cord is 6'L. Thermostatically controlled to operate when temperatures approach freezing, turning on at 35° and off at 45°. CSA approved. 1-year limited warranty.

- 250 Watts.** For tanks up to 25 gallons.  
**C14386 — \$52.99**
- 500 Watts.** For tanks up to 50 gallons.  
**C14387 — \$59.99**

**F SUBMERSIBLE TANK DE-ICERS**

Won't harm plastic tanks. Epoxy-enclosed wiring — never a leak or short. Automatic thermostat sealed to stay clean and dry. Cycle comes on just above freezing and off about 44° F. The 6'L cord has plastic guard. 1,000 watts. For up to 100 gallons. 10 1/4" dia. x 6" H. 120V. UL listed.  
**C13111 — \$49.99**

**G SINKING DE-ICER**

Energy-efficient de-icer keeps your tank ice-free without overheating the water. Includes a durable PTFE coating for easy cleaning. Large, finned base runs cooler than conventional de-icers, making it safe for plastic or metal tanks alike. Cord is wrapped in a heavy-duty, anti-chew spring protector. 120V AC, 60 Hz, 1,500 watts.  
**C33296 — \$79.99**



**A LITTLE GIANT AUTOMATIC STOCK WATERER**

Adjustable float maintains constant water level. Fits 1/2" pipes or hose and is easily installed at any height with U-bolts or lag bolts. Connect left or right. Unit is 4 1/2"H; bowl width is 8". Front to back dia. is 8". Front to back of bowl is 7 1/4". Nonsiphoning. Couplers, U-bolts, and lag bolts not included. 1-year warranty.

**C18073** Black Epoxy Finish — \$66.99  
**C05609** Galvanized — \$58.99  
**C13291** Complete Float Assembly Replacement — \$15.99

**B CATTLE AND HORSE BOWL**

Rugged bowl made of high-impact copolymer polypropylene. Simple, safe, water release valve at back of bowl makes cleaning quick and easy. Fitted with cast iron threads for permanent installation. Adjustable water flow. Equipped with brass valve, 3/4" top and bottom inlets, and mounting clamps. Waterflow: 3.7 gpm at 40 psi.

**C20103** — \$77.99  
**C20103(A)** Replacement valve — \$30.49

**C PLASTIC CATTLE WATER BOWL**

Plastic water bowl is mounted directly to pipe or flat surface. Bowl is nonsiphoning, easy to clean, durable, and may be used with cattle, horses, or sheep. Features 1/2" male NPT stainless steel inlet at the top of the bowl. Brass valve is rated at 3.7 gallons (13 liters) per minute at 40 psi. Bowl includes back plate for mounting. 9 5/8"W x 4 1/2" front height x 9 1/2" back height. Bowl depth: 10".

**C27104** — \$64.99

**D STAINLESS STEEL SUPER-FLOW WATER BOWL**

No-splash design. Round, stainless steel 10" water bowl is 5"D and has 22 liters per minute water flow at 50 psi. Valve has 1/2" female threads for inlet at top. Stainless steel mounting bracket. Back plate not included. Valve body is solid brass. Valve measures 6 1/2" and has a plastic-covered nose paddle. Nonsiphoning.

**C25206** — \$139.99

**E FORSTAL PADDLE WATER BOWL FOR COWS**

Smooth plastic is strong but flexible to withstand bumps and pressure, yet keep its shape. Nonsiphoning bowl comes ready to install with 3/4" top and bottom inlets and frost plug. Large, deep, easy to clean, and lightweight. Comes with a standard pressure valve for 20–50 psi; flow rate is 3.7 gpm at 40 psi. Optional U-clamps are sold separately below.

**C28825** — \$87.99

**Complete Replacement Valve**  
**C28822** — \$68.99

**F PUSH-BUTTON WATER BOWL**

Brass push-button water valve is the simplest method of watering livestock. Flow can be adjusted to deliver the most effective gph. Nonsiphoning. 3/4" top and bottom inlets. Unbreakable blue plastic bowl with cast-iron valve body.

**C20097** — \$69.99  
**C20099** Replacement valve — \$27.99

**G PUSH PADDLE WATERER**

Made of heavy-duty cast iron with a tough, non-toxic black epoxy finish with corrosion resistance. When the animal releases the push paddle, the non-siphoning water valve drains water and shuts off the supply, so there is nothing left in the bowl to freeze in winter or breed disease-carrying organisms in summer. Safely operates between 20–50 psi pressure. Includes mounting plates. 10"L x 8 1/2"W x 5"H.

**C32937** — \$139.99

**H K&H RUBBER THERMO-HOSE™**

Thermostatically controlled, 5/8" double-wall hose turns off automatically during warmer weather. No need to drain between uses; remove from hose bib when not in use. Solid brass couplings. MET listed. 2-year warranty.

**C32156** 40', 200 watts — \$179.99  
**C32155** 60', 250 watts — \$249.99



**POLY-TUF 100-GALLON HOG WATERER**

Withstands rough use, this all-plastic tank resists corrosive action of barnyard liquids. Single-piece, seamless construction won't rust or dent. Drain plug. 52"L x 31"W x 25 1/2"H. Allow extra delivery time.

**Z13646** — \$259.99  
**C33491** Stock Tank Valve — \$29.49



**POLY-TUF 27-GALLON STRUCTURAL FOAM STOCK TANK**

Withstands the rough usage of all animals, as well as the corrosive action of barnyard liquids. Seamless construction. Reinforced bottom. Does not have a drain plug. 42"L x 20"W x 1'H. Allow extra delivery time.

**Z30380** — \$109.99



**POLY-TUF STOCK TANKS**

All-plastic and built to withstand rough use as well as the corrosive action of barnyard liquids. Single-piece, seamless construction resists rust, dents, and corrosion. Drain plug. Allow extra delivery time.

**60-Gallon.** 52"L x 31"W x 14"H.  
**Z13644** — \$144.99

**150-Gallon.** 3/4" drain flange. 57"L x 42"W x 25"H.  
**Z16758** — \$279.99



**I GALVANIZED 50-GALLON STEEL TANK**

Heavy galvanized prime 20-gauge steel throughout sidewall and bottom, with 1" steel tube in top for long-lasting strength and smooth crush-proof rim. Two heavy-duty metal handles. Can be installed between 2 stalls. Corrugated with heavily beaded side panels for greater rigidity. 35"L x 17"W x 24"H. Allow extra delivery time.

**Z42500** — \$244.99

**J GALVANIZED SHEEP TANKS**

Heavy, galvanized 20-gauge steel throughout with 1" steel tube rolled in top for a smooth, crush-proof rim. 3/4" drain flange installed in both tanks is guaranteed not to loosen under normal use. Allow extra delivery time.

**74-Gallon.** 6'L x 2'W x 1'H.  
**Z30379** — \$319.99

**47-Gallon.** 4'L x 2'W x 1'H.  
**Z09309** — \$244.99

**K GALVANIZED STOCK TANKS**

Durable, galvanized 20-gauge steel throughout with 1" steel tube rolled-in top for a smooth, crush-proof rim. 3/4" drain flange is installed in all tanks, and is guaranteed not to loosen under normal use. Allow extra delivery time.

Product No.	Dimensions	Capacity	Each
<b>Z30381</b>	2' x 2' x 3'	70 gallons	<b>\$269.99</b>
<b>Z09302</b>	2' x 2' x 4'	91 gallons	<b>\$269.99</b>
<b>Z09303</b>	2' x 2' x 5'	118 gallons	<b>\$339.99</b>
<b>Z09304</b>	2' x 2' x 6'	144 gallons	<b>\$399.99</b>

**L HOG WATERER**

Prime, galvanized 20-gauge steel with a smooth, crushproof rim. Features a FreeFlo waterer installed in the side of tank. 2' x 2' x 4'. Approximately 86-gallon capacity. Opening is 12"W x 13"H, up 5" from the ground. Does not have a built-in heater. Allow extra delivery time.

**Z09308** — \$559.99

**CLEAR-WATER BARLEY STRAW WATER TREATMENT FOR LIVESTOCK WATERING TROUGHS**

Acts as a natural filter and works up to 6 months. Cleans water by reducing particles and odors. Will not harm animals, livestock, fish, or plants. Keeps water in troughs clean and clear longer. Plastic casing keeps barley straw contained. Treats up to 1,000 gallons.

**C29618** — \$13.99



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[NascoFarmandRanch.com](http://NascoFarmandRanch.com)



**ANIMAL RESTRAINING SNARES**

Just slip nose around the animal, pull handle to tighten sufficiently to restrain, and turn handle to lock position. Heavy-gauge, ribbed aluminum, 1/4" dia. for extra strength. Large braided nose is plastic-coated aircraft cable that opens from 1"-14" dia. for both small and large animals. Internal cam locks nose in any position. Both ends of nose move in and out of snare at same time without nose kinks.

C10682 4' - \$72.99  
C10683 6' - \$94.99



**BOOT HILL® RAT & MOUSE POISON MINI BLOCKS**

Kill Norway rats, roof rats, house mice, and warfarin-resistant Norway rats. First dead rodents appear 4-5 days after treatment begins. Contain 0.005% Bromadiolone. 10-lb. pail.

C23658 - \$74.99



**HOMBRE™ 10-LB. MINI BLOCKS**

Work as a single-feed rodenticide that's equally effective on mice and rats — they only need to feed once to consume a lethal dose. Mice actually prefer Hombre™ to grain. Active ingredient: Difethialone. 10 lbs. of blocks.

C24483 - \$84.99



**TRANSONIC PRO PEST ANIMAL AND RODENT REPELLER**

Intense ultrasonic and sonic waves provide a noisy, hostile, dynamic sound environment. Targets small animals, bats, rats, mice, spiders, fleas, ticks, and other insects. Covers up to 3,500 sq. ft.

C28950 - \$57.29



**TOMCAT® ALL-WEATHER BAIT CHUNX®**

Unique rat and mouse bait that rodents can't stop eating. X-shaped 2" x 1" Bait Chunx® have multiple gnawing edges. Premeasured 1-oz. pieces fit into burrows, bait stations, and tight places. Stays fresh and palatable in wet and dry areas, indoors and out. Contains Diphacinone, a multiple-feed anticoagulant. 4-lb.

C13663 - \$29.99



**TOMCAT® RODENT STATIONS**

Tamper-resistant bait stations hold 1-oz. Bait Chunx® securely in the station, away from livestock, pets, children, and nontarget animals. Stations also protect bait from dust, dirt, moisture, and other contaminants. Place along walls and other rodent runways. Holds 8 bait blocks and can be used with TOMCAT® rat and mouse traps. Security key.

C31352 - \$21.99

**BAGS OF FLY PARASITES**

Tiny USDA-approved beneficial insects seek out fly pupae and lay their eggs inside them as a natural process of their reproductive cycle. The fly parasite larvae then consume the pest fly's larvae. Fly parasites attack several species of flies commonly associated with animals. Shipped in the stage where they are inside the pest fly's pupae. Works on 15-40 cows or horses (approximately 40,000 parasitized fly pupae). Allow extra delivery time.

Z19501 - \$44.99



**QUICKBAYT™ FLY BAIT**

To control house flies around the outside of commercial facilities, like dairies, agricultural production facilities, and horse stables. Fast acting. Contains a specially-formulated mix of two fly attractants. Controls flies resistant to organophosphates and carbamates. Ready to use as scatter bait, by placing in any fly bait situation, or mixing with water for paint-on application. 5-lb. bucket.

C25403 - \$62.99



**SINGLE-DOOR LIVE TRAP**

Humanely deal with nuisance animals. No-touch release — just flip over and the trap door opens. For raccoons, dogs, and other large animals. 1" x 1" mesh. 42" x 16" x 16". Allow extra delivery time.

C26470 - \$139.99

**STICKY ROLL™ FLY TAPE SYSTEMS**

Once trapped on the Sticky Tape, they produce stress chemicals irresistible to other flies. When a length of tape is full, wind it up (flies and all) onto disposable reel and throw it away. USDA testing showed that Sticky Roll captured 92% of available flies.

600-ft. Deluxe System. Tape, take-up reel, and hardware. C19220 - \$94.99

600' Refill Tape C19221 - \$44.99

1,000' Deluxe System. Tape, take-up reel, and hardware. C22049 - \$89.99

1,000' Refill Tape C20198 - \$56.49

2,500' Refill Roll C33997 - \$128.39

Super-Size Fly Tape Deluxe Kit with Hardware. Includes 2,500' Sticky Roll, take-up reel, handle, 6 pulleys, 6 ceiling hooks, hardware for installation, and bilingual instructions. C33996 - \$159.99



**FOGMASTER TRI-JET®**

Control knob provides desired degree of misting of both water- and oil-based solutions. Adjustable to 2-8 oz./min. with control valve. Features three counter rotating vortex nozzles. Fogging head angles for your choice of adjustment. Durable aluminum structure is designed for long life. One stage-type fan, 17,500 rpm. Continuous-duty 1 hp motor, 110/120V AC. 1-gallon capacity tank. 12 1/2" L x 15 3/8" H x 8 5/8" dia. 20-25 ft. range. Available in 240V through special order. 5-year warranty.

C08734 - \$429.99



**HURRICANE ULTRA II PORTABLE FOGGER**

Electric fogger designed to handle both water and petroleum-based products. Fully adjustable to control your rate of application more accurately. Three precision nozzles lets you regulate output capacity. Lightweight. Translucent 1-gallon tank. Made from high-density polyethylene, a chemical-resistant material. 13"L x 8"W x 14"H. Operates on a continuous duty 6.85 amp, 50/60 cycle, 20,000 rpm, 110-120V AC motor. Available in 240V through special order.

C11896 - \$689.99



**SPIDER WEB™ FLY GLUE TRAP**

Chartreuse color is proven to attract flies. Adhesive is pliable — even the largest flies won't be able to pull free. 12"W roll with 24' of double-sided adhesive. Safe for indoor use.

C19079 - \$17.39



**ULTRA BOSS™ POUR-ON INSECTICIDE**

Controls horn flies, face flies, and lice. Approved for all classes of beef cattle, dairy cattle, horses, goats, and sheep. No pre-slaughter withdrawal; no milk discard. 5% piperonyl butoxide (PBO) and 5% permethrin. Quart.

C21060 - \$61.99



**PERMETHRIN™ II**

Kills flies, fleas, lice, mites, and ticks including deer ticks with 30-day residual effects. Aids in control of cockroaches, mosquitoes, and spiders. Active ingredient: 10% permethrin. For use as a spray or fog on premises or use on animals. Cannot be shipped outside the U.S.A.

C27185 - \$36.29





**COLLECT-N-GO SOIL SAMPLE KIT**

Collector tube assures maximum soil collection and minimum loss while collecting sub-samples. Pour spout for easy soil transfer. Accommodates left- or right-handed users. Contains 15½" H collection bucket and a soil auger machined from hardened steel for long life (drill motor not included). Auger is 0.945" dia. with an overall length of 16" and a ¾" shank.  
**C33278 — \$44.99**

**THE GLOBE PROFESSIONAL SOIL COLOR BOOK**

100% waterproof. Colors arranged according to Munsell Color Order System; colors identified by Munsell Notation. Exclusive waterfall design with hues 10R to 5Y and Gley colors from 10Y to 5B. Large color stripes for easy comparison. Pocket size. 53 pages.  
**C33474 — \$134.99**



**LAMOTTE COMBINATION SOIL TEST MODEL EL**

Inexpensive kit with simplified techniques. Includes 30 pH tests, 15 nitrogen tests, 20 phosphorus tests, 15 potassium tests, *Study of Soil Science* book, *LaMotte Soil Handbook*, 6 test tubes, and test tube stand in a hard case.  
**C08704 — \$85.95**



**AMS SOIL PROBE WITH STEP**

One-piece probe is similar to a regular soil probe, but it comes with a built-in step that allows for additional pressure to help drive into the ground. Nickel-plated, rust-resistant step probe for use without liners. Features a slotted probe body, built-in step, and a 10" comfort-grip cross handle. Heavy-wall type 4130 chrome molybdenum steel with hardened tip prevents the probe body from bending. 7/8" O.D. x 5/8" I.D. with a 12" slot. Cuts a soil core that is 12"L.  
**C31386 — \$199.99**



**AMS SOIL AUGER**

The ergonomic alternative to the cumbersome post hole digger. One-piece regular soil augers are powder-coated (orange) for rust resistance. Feature a 16" rubber-gripped cross handle and have a total length of 53". Lightweight augers are an inexpensive alternative to auger-extension cross handle systems for anyone not needing to go deeper than 4'. Sharpened, heat-treated carbon steel bits.  
**C31384 2¾" auger — \$229.99**  
**C31383 4" auger — \$234.99**



**SOIL SAMPLE BAG**

Square bottom is heat sealed, making it sift-proof. Constructed of 50-lb. white clay-coated paper with 0.5-mil polyethylene liner. Comes with tin tie (attached). 8 oz. (236 ml). Bag measures 3¾"W x 2½"H gusset x 7¾"H.  
**C31882 Box of 100 — \$37.59**  
**C36312 Box of 1,000 — \$319.99**



**SOIL COMPACTION TESTER BY AGRATRONIX™**

Easy-to-read, color-coded, stainless steel dial is liquid-filled to reduce shock. 24" stainless steel rod with adjustable shock collar. Durable, molded housing with rubber-grip handles. Includes large and small tip (½" tip for firm soil; ¾" tip for soft soil) with convenient storage in tester housing. Penetration depth to 24" in 3" increments. Testing range: 0-300+ psi. 1-year warranty.  
**C30020 — \$212.39**



**LAMOTTE COMPLETE COMBINATION TESTER MODEL STH-14**

Conducts a complete series of soil tests. Designed on the same lines as Model STH-5 but is larger, containing the complete 14 soil tests: humus, pH, nitrite, ammonia, nitrate nitrogen, available phosphorus, available potassium, calcium, magnesium, manganese, iron, aluminum, sulfates, and chlorides. Manganese periodate reagents, glassware, color charts, and instructions for each test are included. Allow extra delivery time.   
**◆ Z18491 — \$800.00**  
**◆ Subject to a Hazardous Material Surcharge.**



**MODEL B KIT**

3' tube kit contains 1 handle, 2 extension rods, 1 tube with replaceable screw-on tip, 1 regular soil tip, and 13" heavy fiberboard case.  
**C09004 — \$199.99**



**MODEL HA SOIL SAMPLER**

High-grade, triple-plated steel with chrome finish. 20½" tube with replaceable, heavy-duty screw-on tip. 8" handle.  
**C08722 — \$74.99**



**HYDROMETER CYLINDER**

Made from heavy borosilicate glass, this cylinder has a beaded top with a pouring spout and a round base for stability. 1,000 ml capacity. 67 mm x 460 mm.  
**C09045 — \$99.99**



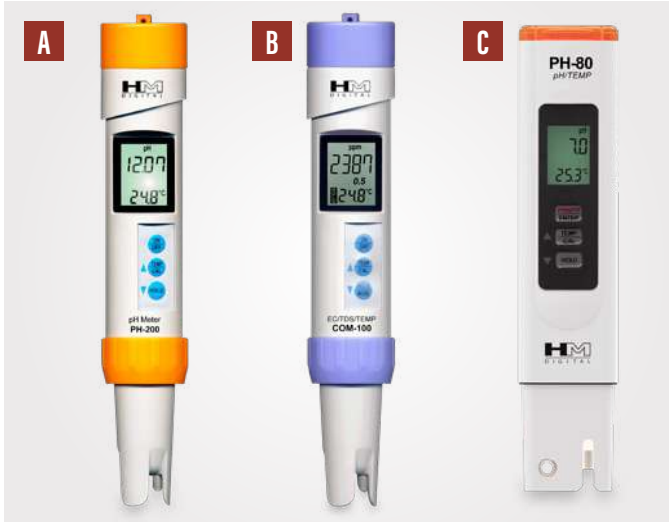
**DIAL THERMOMETER**

Stainless steel case and an 8" pointed tip stem. The full 2" dia. face has a polycarbonate crystal. External recalibration adjustment nut standard.  
**C10774 — \$20.59**



**SOIL TEMPERATURE THERMOMETER**

Dual scale range: 20° to 180° F/0°-80° C with temperature zones. 2½" x 5/8". Probe is 4"L.  
**C09307 — \$10.95**



**A PH-200: WATERPROOF PROFESSIONAL SERIES PH/TEMP METER**

Advanced microprocessor provides accurate readings in applications like hydroponics, purification applications, water treatment, agriculture, and more. Waterproof housing is submersible and floats. Digital automatic calibration (1 point) with digital fine tuning. Features automatic temperature compensation (ATC), auto-off function, data-hold function, and low-battery indicator. Easy-to-read LCD screen with simultaneous temperature display. Factory calibrated to pH 7.0 and three-point checked. pH range: 0–14. Temperature range: 32° to 130° F (0° to 55° C). Resolution: 0.01 pH. Temperature resolution: 0.1° F/C. Accuracy: ±0.1 pH. Temperature accuracy: ±1%. Minimum EC/TDS: 5 µS/10 ppm. Electrode (replaceable glass sensor and reference tube electrodes). 7<sup>1</sup>/<sub>16</sub>" x 1<sup>1</sup>/<sub>16</sub>" x 1<sup>1</sup>/<sub>16</sub>". Includes batteries, translucent cap, lanyard, and pH 7.0 buffer (sachet). **C35311 — \$99.95**

**B COM-100: WATERPROOF PROFESSIONAL SERIES EC/TDS METER**

For use in water quality testing, hydroponics, wastewater regulation, labs and scientific testing, water treatment and more. Measures electrical conductivity (EC), total dissolved solids (TDS), salinity, and temperature. Four scales: EC Range 0–9990 µS; EC Range 0–9.99 mS; TDS Range 0–5000 ppm (0.5 Scale), 0–5.00 ppt (0.5 Scale); TDS Range 0–8560 ppm (0.7 Scale), TDS Range 0–8.56 ppt (0.7 Scale). Temperature range: 32–130°F (0–55°C). Automatic temperature compensation (ATC) using three temperature coefficients. Features waterproof housing (IP-67 rating), push-button digital calibration, auto-off function, data-hold function, and low-battery indicator. Large, easy-to-read LCD screen includes simultaneous temperature reading. Factory calibrated with a 1413 µS solution. Temperature range: 32 to 130° F (0° to 55° C). 32° to 130° F. Resolution: 0–99: 0.1 µS/ppm/ 0.01mS/ppt; 100–999: 1 µS/ppm; 1000–9990: 10 µS/ppm. Temperature resolution: 0.1° F/C. Accuracy: ±2%. EC to TDS conversion factor: Non-linear conversions for KCl, 442TM or NaCl solutions, selected by the user. Probe has detachable platinum electrodes. Includes batteries, translucent cap and lanyard. **C35309 — \$74.95**

**C PH-80: PH HYDROTESTER SERIES**

For use in hydroponics, aquariums, drinking water, and more. Measures pH and temperature. Features one-touch automatic digital calibration, simultaneous temperature display, large LCD display, automatic temperature compensation (ATC), auto-off function, data-hold function, and low-battery indicator. Factory calibrated to pH 7.0. pH Range: 0–14. Temperature range: 32° to 130° F (1° to 55° C). Resolution: 0.1 pH. Temperature resolution: 0.1° F/C. Accuracy: ±0.2 pH. Temperature accuracy: ±2%. Minimum EC/TDS: 10 µS/5 ppm. Water resistant. 6" x 1<sup>1</sup>/<sub>16</sub>" x 1<sup>1</sup>/<sub>16</sub>". Includes translucent cap, batteries, storage solution, and pH 7.0 buffer (powder). **C35310 — \$44.99**



**KELWAY SOIL ACIDITY AND MOISTURE METER**

Test soil in 3 minutes. Designed so that by the action of the electricity it generates, it will give an accurate pH reading of the soil on the outside scale of the dial and show moisture content of the soil on the inner scale. The electrical energy to move the indicator is due to a potential difference between two electrodes that act to show pH value. No batteries to run down or replace. Easy to use, just push tester vertically into soil to a depth covering the metal plates. Read the pH on the upper scale (3.5, 4, 5, 6, 7, and 8 pH values). Once pH reading is taken, push moisture button on side to obtain the moisture reading (0, 50, 70, 100% moisture). 6<sup>1</sup>/<sub>2</sub>" L. 8 oz. Includes carrying case with belt loop and instructions. 6-month guarantee. **C09002 — \$150.00**



**D DIGITAL SOIL PH METER**

The slender style provides an easy-to-read, instant digital read-out. Measures and displays the acidity/alkalinity of garden and container soil. Requires 3 GPA76 batteries (included). **C29626 — \$16.29**

**E DIGITAL SOIL THERMOMETER**

Easy-to-read digital results in degrees Fahrenheit. Stainless steel probe. Guidelines for germination and transplant temperatures included. Requires three 357 batteries (included). **C31560 — \$16.49**

**HYDRION® SOIL PH TEST PAPERS**

Easy-to-use test paper for determining soil pH over a range with an accuracy of 1.0 pH. Distinct color changes are compared with permanent color scale mounted in the plastic case. Complete with dispenser and two 15' rolls of test paper.

Range 4-9 Test Paper  
**C08834 — \$13.49**

Range 1-11 Test Paper  
**C08835 — \$12.95**



**HYDRION® SPECTRAL 5.0-9.0 PLASTIC PH INDICATOR STRIPS**

Premium-quality, wide-range plastic strips offer clear, bright, single-color matches at every 0.5 interval from pH 5.0–9.0. Plastic strips are more durable than paper rolls. 100 strips. **C31561 — \$17.85**



**KOSTER DELUXE MOISTURE TESTER**

Tells you when to ensile, bale, pick corn, and put grain into bin or crib. Determine correct moisture to help prevent combustion and the formation of fatal poisonous gases. Consists of a small, portable electric drying unit that furnishes thermostatically controlled heat, a container with a screen bottom in which to weigh and dry samples, and a digital scale that shows directly the percentages of dry matter and moisture. Also includes a TORK inline timer on/off switch. An instruction chart indicates drying time for various crops. Moisture range: 15% or less for barley, shelled corn, oats, rye, and wheat; 20%–25% for cob corn and hay; 45%–60% for haylage; and 60%–65% for silage. 110–120V AC. 1-year warranty. **C31175 — \$609.99**

**Koster Complete Moisture Tester.** Has all the same features as the Koster Deluxe Moisture Tester above, except it does not have the TORK inline timer on/off switch. 1-year warranty. **C30851 110-120V Tester — \$589.99**

**C31173 220-230V Tester — \$639.99**

**Koster Moisture Tester.** Has all the same features as the Koster Deluxe Moisture Tester above, except it does not have the TORK inline timer on/off switch and does not come with a digital scale. 110-120V AC. 1-year warranty. **C31174 — \$529.99**

**Thermostat for Koster Crop Tester**  
**C26046 — \$34.99**

**Replacement Internal Assembly**  
**C33068 — \$299.99**

**Replacement Specimen Container**  
**C33069 — \$78.99**

**AGRATRONIX™ HT-PRO PORTABLE HAY MOISTURE TESTER**

Easy-to-use calibration clip for on-the-spot calibration. Takes 20 seconds to calibrate. Rugged, 18" aluminum probe allows for deep penetration testing in even the most densely packed hay bales. Moisture range: 8%–45% depending on hay tested. Temperature range: 32° to 225° F (0° to 107° C). Requires 9V battery (not included). 1-year warranty. **C28717 — \$269.99**

**DELMHORST® F-6 ANALOG HAY MOISTURE TESTER PACKAGE**

Includes hay moisture tester, handle, 10" prod for testing baled hay, short-pin prod for testing hay in windrows, and carrying case. CSA approved.

- A favorite among value-minded producers needing a basic meter, and those serving the export markets that require lower %MC range readings
- Popular analog readout
- Moisture content range from 6%–30%
- Calibration checks
- 1-year warranty

**C16282 — \$499.99**

**Hay Moisture Tester Only.** Includes 10" bale prod and built-in battery. **C23992 — \$389.99**

**AGRATRONIX™ WINDROW PORTABLE HAY MOISTURE TESTER**

Measures hay moisture content right in the windrow. Add loose hay or forage to 5-gallon bucket (not included), insert handheld tester, and press button for measurement. Time for result: 30–60 seconds. Moisture range: 13%–70% depending on hay tested. 9V battery not included. **C29668 — \$339.99**

**AGRATRONIX™ MT-16 PORTABLE GRAIN TESTER**

Direct readout for 16 grain scales. Each scale can be adjusted to match local elevator. Automatically averages up to 99 test results. Moisture range: 5%–40% depending on grain tested. Temperature range: 32° to 113° F (0° to 45° C). Requires 9V battery (not included). Carrying case included. 2-year warranty. **C28718 — \$224.99**



Nasco  
FARM &  
RANCH

### NASCO FORAGE SAMPLER

Developed by Pennsylvania State University and recommended by extension research personnel. The sampler is extensively used in the U.S. and Canada by universities, feed companies, and farmers. Exclusive arrangements with the designer and manufacturer enable Nasco to offer this tool for the easiest and most modern method of sampling loose, baled, or chopped hay and grass silage. Available with 3/8" round shank adapter for use with electric drill (electric drill of 1/2 hp or 18V capacity is recommended). Dowel plunger is supplied with each unit to remove moist or packed samples. Shank adapters are quickly and easily removed from tube by depressing a spring-loaded plunger. Fitted with replaceable hardened cutter head and adapter. **(See NOTE below, as the tip is not warranted.)** Made of stainless steel, the tube is 1 1/8" dia. x 18"L. Sampler comes with standard adapter and round shank for electric drill operation.

C06541 – \$189.99

**NOTE:** Because the tip for the Forage Sampler is made of a very hard, brittle steel that can be broken easily by dropping the unit or by hitting a sharp object, we cannot warranty tips — replacement tips can be purchased separately. The tip design is the secret to the success of this unit; when we change the material of design, performance of the sampler deteriorates. Please take good care of the entire unit, especially the tip.

A



B



C



D



E



**A Cutting Tip — Replacement.** For forage sampler above (C06541).  
C06544 – \$59.99

**B Cutting Tip — Heavy-Duty Scalloped Forage.** For balage, dry hay, and other forages. Tool steel is case hardened with a scalloped cutting edge. Aggressive cutting edge will not plug with wet forages.  
C32960 – \$76.99

**C Drive End — Standard Drill Adapter.** A 3/8" round shank for forage sampler above (C06541).  
C06543 – \$59.99

**D Drive End — Heavy-Duty Forage Probe.** For power drills and hand drills. Available in 2 sizes: 1/2" or 3/8" shank with flats for easy clamping in the chuck. Radius shoulder for strength. 1/4" hole for fastening to probe tube. Drive pin not included. Use of these drive ends requires drilling two 1/4" holes in the probe that align with the hole in the adapter. **Use with caution.**  
C32959 1/2" C33851 3/8"  
Each – \$68.99

**E Protective Cap for Forage Sampler.** Specially designed nylon plastic cap for the forage sampler cutting tip. Asked for by customers, this device will save the teeth on your sampler.  
C13043 – \$11.49

### FORAGE SAMPLER CASE

Durable case protects your sampler. Metal latches. Sampler not included. 25 1/2" L x 3" W x 2" H.

C12808 – \$74.99



### GRAIN SAMPLING PROBE

An easier way to take spot grain samples. Probe as deep as 13 1/2". Barrel easily up-ends to dump sample without disassembling. 1 1/2" O.D. plated tubing assures rigid straight-line probing. Probe has 6-oz. capacity and handle sections are 3"L. No tube flex or curve-off. Has aluminum nose cone and heavy-plated steel barrel. Set of 5.

C08661 – \$249.99



### J-SCALE DIGITAL SCALE

Replacement scale for Best Harvest silage moisture testers. Digital scale includes large LCD for easy reading. Specification include 300 g capacity with accuracy to 0.1 g. Features tare and zero functions. Reads in grams, ounces, and pennyweight. Platform size 5 3/4" x 5 3/4". Comes with cover/measuring container. Requires three AA batteries. Thirty-year warranty.

C30343 – \$74.99



### DELUXE DIGITAL ELECTRONIC SCALE

8" x 5" stainless steel platform. Moisture-resistant sealed components. Functions: ounce/gram, auto tare, extended tare range, auto hold, low-battery indicator, and auto shut-off. Capacity: 10 lbs./5 kg. Measures in 1/8-oz. increments for 0–2 lbs. Measures in 1/4-oz. increments for 2–10 lbs. (5 g increments for 1–5 kg). AC adapter for 120V outlet (included); or rechargeable 9V battery. 1-year warranty.

C23058 – \$259.99



### MY WEIGHT DIGITAL SCALE

Backlit display has a 500 g capacity, is accurate to 0.1 g, and reads weight in grams, ounces, pennyweight, and carats. Large easy-to-read LED display. Stainless steel platform. Adjustable display, auto-off, and stay-on feature. Platform size: 5 3/4" x 5 3/4". Comes with AC power adapter. Requires 6 "AA" batteries (not included). 1-year warranty.

C32890 – \$109.99



### HAND CORN SHELLER

Shells corn of various sizes and shapes. Adapted for use in the selection of seed corn, as it does not break off the germ ends of the kernels.

C06531 – \$8.69



### HAND TALLY

Veeder-type hand tally. Carefully machined for smooth, easy, accurate operation. Quickly reset by one turn of the knob. Registers 0–9,999.

SB16447 – \$12.95



### FERTILIZER DENSITY SCALE

Balance on a knife blade to read the weight per cubic foot. Use to set spreaders and sprayers for accurate applications and take bulk inventories of fertilizer. Use with liquid and dry fertilizer products. 12"L x 3"W x 4"H.

C32248 – \$30.99



**NASCO DIGESTION ANALYZER**

Evaluates rapid by-product passage and cow performance by evaluating livestock manure. Includes 22-qt. plastic bucket (13" dia. x 14"H with handle and lid), 3 stainless steel screens (one each with hole sizes 3/16", 1/8", and 1/16"), ladle, 2-qt. plastic scoop, adjustable sprayer nozzle (color may vary, no choice) with cushion grip, and pair of latex-free gloves.  
**C26728 – \$419.99**



3/4" (19 mm)



5/16" (8 mm)



C24057

**NASCO 2-SIEVE FORAGE PARTICLE SEPARATOR**

Place 7 cups of forage in top, then shake and rotate unit 8 times. Weigh remaining material on each screen and bottom pan to calculate percentages of different particle lengths. Includes instructions. Sieves measure 5/16" and 3/4".  
**C15924 – \$219.99**

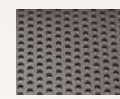
**2-Sieve Forage Particle Separator Kit.** Includes Nasco 2-Sieve Forage Separator (C15924, above), scale, weighing container, and instructions.  
**C24057 – \$399.99**

**NASCO FORAGE PARTICLE SEPARATORS**

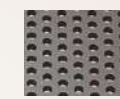
By determining different percentages of forage and feedstuff lengths, you can determine how much long feed material should be added to meet nutritional needs of your dairy cows. Ensuring cows obtain minimum fiber levels keeps them from displaying metabolic disorders such as reduced total dry matter digestibility, reduced milk fat percentage, displaced abomasum (DA), and rumen parakeratosis. Reduced forage particle size can decrease the time a cow spends chewing, which can cause decreased rumen pH. Smaller forage particles also spend less time in the rumen, decreasing digestibility. Diets that are too long can reduce intake and limit production.



3/4" (19 mm)



5/32" (4 mm)



5/16" (8 mm)



1/20" (1.27 mm)



C24684

**NASCO 3-SIEVE FORAGE PARTICLE SEPARATOR**

Place about 3 dry pints or 8 cups of forage in top, then shake and rotate unit 8 times. Weigh remaining material on each screen and bottom pan to calculate percentages of different particle lengths. Includes 4 plastic forage separator boxes — 1 each with 3/4" (19 mm) holes, 5/16" (8 mm) holes, 5/32" (4 mm) holes, and a solid bottom — and instructions. Allow extra delivery time.

**C24682 – \$334.99**

**Economy Kit.** Includes Nasco 3-Sieve Forage Particle Separator (C24682, above), economy scale, and weighing container. Allow extra delivery time.

**C24684 – \$349.99**

**Deluxe Kit.** Includes Nasco 3-Sieve Forage Particle Separator (C24682, above), digital scale, and weighing container. Allow extra delivery time.

**C24683 – \$514.99**

**5/32" (4 mm) Forage Particle Sieve Only.** For use in determining physically effective fiber (peNDF) of a feedstuff or ration. Fits within existing forage particle sieve sets. Stacks in line with the 3/4" (19 mm) and 5/16" (8 mm) sieves and above the bottom pan. Part of the 3-Sieve Forage Particle Separator (C24682). Works with sets that have a 1/20" (1.27 mm) stainless steel screen. Includes instructions.

**C32767 – \$124.99**

**1/20" (1.27 mm) Sieve Only.** Additional sieve containing smaller holes. Can be added to 3-Sieve Forage Particle Separator (C24682) with or without the 5/32" sieve. Provides better characterization of smaller TMR feed particles for a more detailed measurement.

**C24078 – \$139.99**

**DAIRY SUPPLIES**

**DEFEND II™ TEAT DIP**

Iodine-based barrier post dip to aid in the prevention and spread of mastitis. Ready-to-use formula with 1.0% iodine and 10% skin conditioners. Softens teats and keeps them healthy. Highly viscous, low-drip formula. Gallon.  
**C33800 – \$38.99**



**IODINE TINCTURE 7%™**

Use topical antiseptic full strength for superficial cuts, wounds, abrasions, insect bites, and bruises on the skin of animals. Gallon.  
**◆C33808 – \$99.99**

**◆ Subject to a Hazardous Material Surcharge.**



**UDDER 330™ UDDER WASH**

Premium, iodine-based wash prevents the spread of mastitis-causing organisms. Concentrated with 0.5% iodine as the active ingredient. Added emollients softens teats and keeps them healthy. Mix 1 oz. with 1 1/2 gallons of 110° F clean water. Gallon.  
**C33811 – \$28.99**



**DYNAMINT®**

Helps reduce udder edema in the fresh cow, as well as reduce mastitis "flare-up" when detected early. Contains essential oils of calendula (marigold), peppermint, tea tree, and eucalyptus (known for their antibacterial and skin conditioning properties) — blended as an ultra micro-emulsion in a gentle aqueous base. A true water-in-oil emulsion that delivers the potent properties of essential oils through the skin and into soft tissue. Formulated specifically for cow udders, organic approved. Can be used as part of a massage program to help prevent udder edema, mastitis, and infection.

**A 16.9-oz. (500 ml) Bottle**  
**C27394 – \$24.49**

**B 16.9-oz. (500 ml) Bottle w/Hook**  
**C32231 – \$34.99**

**C 1-Gallon (3.78 Liter) Jug.** Comes with pump for easy dispensing.  
**C30133 – \$100.99**

**D 67.6-oz. (2 Liter) Jug.** Pump sold separately (C28827 available online).  
**C28828 – \$69.99**

**E 1-Gallon (4-Liter) Jumbo-Pack Dispenser Bag.** Easy dispensing, heavyweight plastic bag with grommet for hanging. Dispenser nipple (C30797, at right) sold separately.  
**C30795 – \$114.99**

**F Dynamint Dispenser Nipple.** For use with Jumbo-Pack Dispenser Bag, Lotion (C30796, below) and Jumbo-Pack Dispenser Bag, Lotion (C30795, at left) dispenser bags.  
**C30797 – \$41.99**

**G 1-Gallon (4 Liter) Hanging Bag Parlor-Pak.** Udder lotion in an easy-to-dispense hanging bag. Each bag will give you over 250 applications. Includes 2 one-gallon hanging bags, 1 dispenser, and 1 hanger.  
**C29393 – \$209.99**  
**C32860** One-gallon refill (dispenser and hanger not included) — **\$94.99**



**DYNAMINT® BLUE LOTION**

Temporary blue coloring agent makes it easy to see where it has been applied and which cows may need reapplication. 17-oz. (500 ml) bottle.  
**C29355 – \$26.49**

**1-Gallon (4 Liter) Jumbo-Pack Dispenser Bag.** Heavyweight plastic bag with a grommet for hanging. Dispenser nipple sold separately (C30797, above).  
**C30796 – \$139.99**



**DR. LARSON'S™ DERMA-MINT™**

Contains 35% peppermint oil. Improves udder health by increasing circulation and reducing inflammation and edema. Fast acting, safe, mild, and non-greasy. 500 ml hook bottle.  
**C28884 – \$39.99**



**EFFERCEPT® SG TEAT DIP**

Protects, conditions, and softens teats and udders. Proven to kill in 15 seconds and control a broad spectrum of mastitis-causing organisms and viruses. Can be used as a pre- and post-teat dip or spray. Add effervescent tablets to each gallon of water. 110 tablets.  
**C33271 – \$299.99**

**MILK CHECK® TEAT WIPES**

Soaked with allantoin, glycerin, and lactic acid, these wipes offer superior cleaning, while preventing teat chapping and reducing cross-contamination. 7" x 8" wipes provide exceptional cleaning and skin conditioning. NPE free. Reusable pail of 700 sheets. **C32870 — \$32.99**

**Refill Pouch of 700 Sheets.** Fits pail above. Pouch features a tear strip for easy opening and double lamination to maintain freshness. NPE free. **C32871 — \$31.49**



**UDDER COMFORT™ LOTION**

All-natural, unique blend of essential oils quickly softens and soothes udders. Blue version remains blue. Yellow spray version is a dye-free formula that "vanishes," great for organic farms, breeders, show cattle. White (dries clear). 10-oz. (300 ml) bottle. **C27560 — \$35.99**



**COW TAIL HOLDER**

Nylon-coated elastic cord features an ingenious tail holder at one end and a plastic split ring at the other. **C19252 — \$7.49**



**FLOATING DAIRY THERMOMETER**

8" Perma-color tube. Range 30° to 220° F (0°–100° C). **C05914 — \$20.49**



**UDDER INFUSION CANNULAE**

Inject or suffuse solution into the udder with syringe or intravenous outfit. Tapered end for easy insertion without gouging. Opening for passage of solution is on the side. Chrome-plated stainless steel. 2½" tube. **C05980 — \$2.69**



**TEAT SLITTER**

Small size is easy to insert. Stainless steel with double-blade action. 4½"L rod, 8" total length. **C05587 — \$11.39**



**DR. LARSON'S™ PLASTIC TEAT TUBES**

For sore, injured, or hard-to-milk teats. Nonirritating, flexible retaining fingers. Leave tube in teat until healed. Pack of 3 in a gamma-irradiated container. **C00753 — \$8.49**



**TEAT TUMOR EXTRACTOR**

Two cutting edges come together for removal of fibrous tissue. ⅜" (4.5 mm) dia. **C28563 — \$74.99**



C13226

**NASCO PORT-A-STOOL**

Plastic seat: 11½" x 7½". Pedestal height: 11¼". Coil-spring base provides firm support even when stool is tipped. Durable and lightweight, only 2 lbs. 8 oz. **C05989 — \$94.99**

**C05989(A) Straps only — \$18.89**  
**C05989(YB) Rigid leg and spring — \$45.99**

**Deluxe Adjustable Leg Milking Stool.** Same qualities as stool above; adjusts from 13½" to 17"H. **C13226 — \$83.99**

**SURCINGLE**

Reinforced rubber with a heavy-duty strap and corrosion-resistant triangle. 8'L, 1¾"W with 13 brass grommets for adequate adjustment. **C06091 — \$54.99**



**NASCO INFUSION CANNULAS**

Roll of 100 individually stripped, sealed, 1½" cannulas in a handy dispenser pack. Economical and disposable. Fit both Luer-slip and-lock syringes. **C05084 — \$9.29**



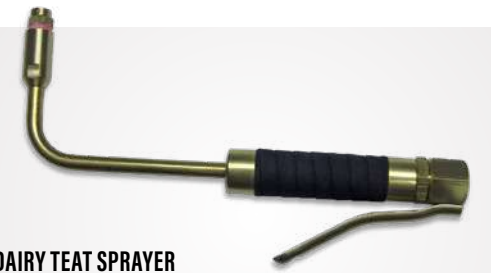
**RJB NON-RETURN TEAT DIPPERS™**

Spill proof. Low-profile, 6"H. Gentle pressure dispenses a small amount of teat dip (about 4 cc). Different colors identify pre- and post-dips. No returns.

**TopDipper™.** For stanchion, herringbone, and flat barns. **C19715 Blue — \$14.99** **C19716 Yellow — \$14.69**

**SideDipper™.** Reaches back teats and low-uddered cows. Blue. **C19713 — \$14.79**

**Blue TopDipper Foamer™.** Produce a thick, rich lather. No need to use a special foaming dip. **C24581 — \$26.99**



**QUAD-T® DAIRY TEAT SPRAYER**

Long-lasting, stainless steel with a floating valve on/off system. Leak-resistant—simply flex the rubber body for instant on/off. Fine mist, hollow cone spray pattern. **C33669 — \$189.99**



**A AMBIC TEAT DIP CUP/RETURN CUP**

Original Ambic dip cup without the non-return feature. Chemical resistant, will not crack. 8⅝"H. **C12739 — \$13.59**  
**C19160 Extra Bottle Only — \$6.59**

**B AMBIC NON-RETURN TEAT DIPPER — 15 ML DIP CUP**

Uses ½ oz. Great for animals with smaller teats. Chemical resistant. **C19158 Blue — \$14.59**  
**C19159 Green — \$14.49**  
**C19160 Extra Bottle Only — \$6.59**

**C AMBIC NON-RETURN TEAT DIPPER — 30 ML DIP CUP**

Use for pre- and post-dipping. Has a deep inner liner, keeping used dip from returning to reservoir. Chemical resistant. **C14625 Blue — \$14.59**  
**C18203 Yellow — \$14.59**  
**C19160 Extra Bottle Only — \$6.59**

**D DIPMIZER ACCESSORY FOR AMBIC DIP CUPS**

Saves dip and ensures uniform application with disc with bristles that remove excess dip. Snaps onto any Ambic cup (except foaming cups). **C29352 — \$61.99**

**E TEAT DIPPER**

Easy-to-use dipper. Simply dip the teats as you take the milker off, saving time and dip. Lightweight, heavy-duty plastic dipper holds teat dip in its hollow handle. Built-in clip hooks onto belt, pail, etc. **C08245(A) — \$4.49**

**F TEAT SPRAYER WITH STAINLESS STEEL TIP**

Stainless steel tip on 16-oz. plastic sprayer directs the teat dip upward at a 45° angle. Covers the whole teat quickly and efficiently. **C13673 — \$14.29**

**G TEAT SPRAYER WITH EXTENDED STAINLESS STEEL TIP**

Same as sprayer C13673 but with an extended, stainless steel tip. Has two screens to prevent plugging. **C14914 — \$19.49**

**H STRIP CUP**

Has 50% wider dia. (6¼") and larger capacity with a black anti-splash screen for detecting mastitis-infected milk. Functional capacity: 22 oz. **C13479 — \$15.69**

**I ALUMINUM STRIP CUP WITH SCREEN INSERT**

½-pint capacity aluminum cup. Stainless steel screen. 4" dia. **C19088 — \$23.19**

SHOP OUR FULL SELECTION AT [NascoFarmandRanch.com](http://NascoFarmandRanch.com)

**CREATE YOUR COMPLETE PORTA-MILKER VACUUM UNIT**

After you purchase the vacuum pump, select the bucket milker assembly of your choice to complete the unit. Once you have a complete unit, you will be ready to start milking.

**PORTA-MILKER VACUUM PUMP**

A highly efficient, compact milking machine that is easily maneuvered. A wide variety of options make this Porta-Milker suitable for use with electric power for one or two cows, sheep, or goats. Features include lubricated Conde vacuum pump, steel vacuum tank, spring-loaded vacuum regulator, vacuum cock, vacuum gauge, and large, noncorrosive, hard rubber tires (10). Has solid, four-wheel base for easy mobility. Compact handle design takes up less space. Available in 240V through special order. Allow extra delivery time. 🚚

**Z29943 – \$2,649.99**



**BUCKET MILKER ASSEMBLIES (FOR DAIRY COWS)**

Assembly consists of a stainless steel bucket, De Laval-style high-capacity standard claw, De Laval-type Interpulse alternating pulsator, 06-style shells, and all necessary rubber goods. Allow extra delivery time. 🚚

**Z10783** 65-lb. capacity – \$959.99

**Z15668** 80-lb. capacity – \$949.99



**ORIGINAL D/L-STYLE HYDROPULSE BUCKET LID**

Dimensions: rim 8<sup>1</sup>/<sub>8</sub>" dia., handle 4<sup>1</sup>/<sub>16</sub>", inlet nipples 3/8" I.D. Includes lid gasket model 58/1. Allow extra delivery time. 🚚

**Z15943 – \$229.99**



**INTERPULS® ADAPTERS**

Adapters for buckets, parlors, or pipelines.

**A C25780** Adapter for De Laval bucket with hydro-pulsator. Has a check valve. – \$35.99

**B C25781** Adapter for Bou-Matic or Surge new-style floor pail. – \$58.99

**C VACUUM GAUGE**

5" dial. 0–30 range. Bronze bushings. Threaded for 1/4" pipe connection (1/4" NPT). C06096 – \$16.99

**D SURGE PULSATOR REPAIR KIT FOR SURGE MILKERS**

Includes 4 No. 10WSU washers, 4 No. 10KSU leathers, 2 No. 10XSU gaskets, 1 No. 10YSU O-ring, and 1 No. 102X1 check valve rubber. C05841 – \$14.99

**E INTERPULS® VACUUM PULSATOR**

Long-life pulsator for heavy-duty working conditions. Simple, reliable, variable-speed, alternating vacuum pulsator gives you great performance in any milking system — parlor, bucket, or pipeline. Diaphragm material has been selected for its fatigue-resistant qualities. Reliable, easily rebuilt, with few moving parts and no fluid. 60:40 ratio. Allow extra delivery time. 🚚

**Z10785 – \$179.99**

**F INTERPULS® LONG-LIFE VACUUM PULSATOR**

Stainless steel cover design with "Surematch" slide and valve system. Air-proof, fatigue-resistant main diaphragm for extended life and reliability. Pulsator with two exits. Speed-adjustment screw with reinforced hexagonal socket. Includes spare air filter. 60:40 ratio. C16025 – \$189.99



**CLEAR HERD TEST BUCKET**

Manufactured in clear polycarbonate material. It allows you to view color, quality, quantity, and flow of milk. Easily emptied and cleaned through the large 7<sup>1</sup>/<sub>2</sub>" dia. neck. Strong carry handle and wide base for stability. Capacity: 72 lbs./32 liters. 15" x 15" x 19".

**C32582 – \$146.99**

**C32582(A)** Lid Only – \$12.39

**POLY MILK BUCKETS**

High-density, seamless polyethylene. Milk level marked for pounds and kilograms. Buckets come with solid storage lid. Bucket rim dia. is 7<sup>3</sup>/<sub>8</sub>" I.D. and 8" O.D.

**40-lb. Capacity**

**C14907** 2 carrying handles and lid – \$299.99

**80-lb. Capacity**

**C14905** 2 carrying handles and lid – \$329.99

**Lexan Fresh Cow Lid with Gasket.** For use with poly fresh milking buckets (C14907 and C14905, listed above).

**C14909 – \$109.99**

**ECO-BUCKET FRESH COW MILKING BUCKET**

Made of FDA-approved material, seamless molded interior, scale marked in pounds and kilograms, a reinforcement ring at the bottom for ease of pouring; 4<sup>3</sup>/<sub>4</sub>" stainless steel locking handle with a snap-on handle attachment. Top O.D. is 7<sup>3</sup>/<sub>4</sub>". 65-lb. Allow extra delivery time.

**Z47709 – \$279.99**

**IMPROVED DE LAVAL-STYLE STANDARD CLAW**

Claw has larger inside dimensions with an enlarged bowl to help prevent vacuum fluctuations on fast milking cows. All parts are interchangeable. Allow extra delivery time.

**Z10790 – \$194.99**

**Replacement Bowl**  
**C25778 – \$33.99**

**Service Kit.** Contains all of the main replacement parts (bowl, plug, shaft, gasket, bumper, and shut-off lock).  
**C27395 – \$55.99**



**A TRANSFLOW M-34R MILK TUBING**

Lightweight, flexible plastic tubing meets all FDA and 3-A standards. Easy-to-handle and clean. Durable clear plastic with blue stripe. Size: 5/8" I.D. x 1" O.D.

**C06037(A)** 50-ft. coil – \$99.99

**C06037(B)** 100-ft. coil – \$199.99

**Hose Clip.** For 5/8" or 9/16" milk hose and twin vacuum tubing.  
**C34736 – \$1.99**

**B FILTER DISCS**

For use in strainers. Box of 100 (each 9/2" dia.).

**C19637 – \$31.79**



**C MILK CHECK® PREMIUM MILK FILTERS**

For use in moderate- to high-pressure pipeline systems, these filters provide superior micro-filtration without stressing your milk pump. High-wet strength, single-ply polyester fabric. Threadless design and sonically welded seams remove the need for glue, adhesives, and stitching. 2 1/4" x 24". Box of 200.

**C32872 – \$68.99**

**D TUFFY FILTER SOCKS**

Box of 100; 2 1/4" x 24". For De Laval, Surge, Universal, Chore-Boy, Bou-Matic, Conde, Plymouth, Perfection, or Schlueter.

**C07687 – \$31.99**



**E IN-LINE DISCS**

Box of 200; 4 3/16" dia. for Surge, Chore-Boy, and Jamesway.

**C12771 – \$13.99**

**F NON-VENTED SHUT-OFF VALVE**

Plastic. Fits 5/8" or 9/16" hose. 3 1/2" x 1 1/2" x 2 3/4".

**C26005 – \$15.89**

**G 20" HOSE SUPPORT ARM WITHOUT HANDLE**

Support your milk hoses and prevent vacuum loss. Corrosion-resistant construction, with offset hose hook for simple hook-up.

**C23370 – \$119.99**



**MASTITIS DETECTORS**

Detect early signs of mastitis clots without interfering with smooth, rapid flow.

**Ambic Vision.** Made of food-grade materials; fits 5/8" tubing.

**C32073 – \$45.99**

**In-Line.** Stainless steel mesh has nonstick coating for easy cleaning. Fits 5/8" tubing.

**C11402 – \$42.99**



**EASYPOUR QUARTER MILKER**

Transparent poly has a large 2 1/2-gallon capacity. Unit comes complete with jug, flapper-type lid, hoses, and inflation adapter.

**C27392 – \$184.99**



**INFLATION SHUT-OFF PLUG**

Use to effectively seal inflation openings. Blue plastic.

**C31417 – \$5.99**



**INFLATION PLUG**

Black rubber. 2 1/2"H.

**C35449 – \$3.99**



**QUARTERMILKER**

2-gallon capacity. Durable, hygienic plastic material. All hoses included plus a safety valve to prevent milk from backing up the claw. 3 3/8" I.D.

**C13165 – \$129.99**



**PLUGGIT INFLATION PLUG**

Fits any size inflation. Includes chain for easy removal.

**C09787 – \$10.49**



**RED PLASTIC INFLATION PLUG**

Works on most inflations, including silicone. 2 1/2"H including base. Width at base of plug: 1 3/16". Overall width at base: 1 7/8".

**C32094 – \$6.19**



**MILK-EASY INFLATION ADAPTERS**

Semi-flexible silicone. Colors may vary, no choice.

**Regular.** Fits inflation heads of 2" or less.

**C16679 – \$10.29**

**Large.** Fits inflation heads over 2".

**C16680 – \$10.29**

**CUSTOM LINE DAIRY INFLATIONS**



**MAGNAFLEX™ NARROW BORE FOR DE LAVAL (O6)**

Fits O6 shell. Pack of 4.

**C05522 – \$24.99**



**DE LAVAL NARROW BORE, THIN-WALL DESIGN (O1A)**

Fits O6 shell. Pack of 4.

**C10959 – \$36.99**



**SURGE NARROW BORE (JF1)**

Fits Jet-Flo shell. Pack of 4.

**C05833 – \$24.99**



**MEDIUM BORE (ASM)**

Fits C shells. Pack of 4.

**C05517 – \$24.99**



**BOU-MATIC (B1)**

Narrow bore. Sleeveless type, fits Bou-Matic regular stainless steel shells. Pack of 4.

**C05822 – \$24.99**



**UNIVERSAL (6M)**

Medium bore. Fits 2MS shell. Pack of 4.

**C10963 – \$36.99**

SHOP OUR FULL SELECTION AT  
[NascoFarmandRanch.com](http://NascoFarmandRanch.com)

**DRAMINSKI® MASTITIS DETECTORS**

- Diagnosis at the earliest stage—the way to product high-quality milk
- Forestripping and monitoring the udder condition at once
- Assessment of the udder quarters' condition based on the electrical resistance of milk
- Durable, waterproof case

The state of subclinical inflammation, mastitis, is very costly. Milk does not show changes in appearance and the udder has no visible lesions. Milk from diseased quarters is limited. Salt increases as mastitis evolves from the subclinical state that reduces the electrical resistance of milk. Require 4 AA batteries (included).

**Detector for 4 Quarters**  
C26982 — \$399.99

**Detector for 4 Quarters with 4 Cups**  
C30974 — \$469.99



**MAS-D-TEC™ EARLY MASTITIS DETECTION**

Detects increases in conductivity in 2 ml of milk long before other symptoms are evident. Handheld operation powered by included 9V battery in a durable case. C15395 — \$474.99



**UDDERLY CLEAN DAIRY TOWEL**

Extremely soft and absorbent. Micro-fiber locks up to 99% of dirt, dust, viruses, and bacteria. Lasts hundreds of washings. 80% polyester/20% polyamide. 12" x 12". Pack of 50. C34465 — \$29.99



**CMT STARTER KIT**

Directs attention to individual mammary quarters that are secreting milk at high cell count. Cell content is normally high at both extremes of lactation, therefore, CMT should not be used before the third day after calving. Includes paddle, one 12-oz. bottle of reagent in dispenser bottle, color plate, and directions. Will do 350 tests. Indefinite shelf life. C06059 — \$18.29

**Replacement Paddle**  
C06060 — \$8.99

**Replacement Reagent.** Concentrated. Pint bottle makes 1 gallon of solution when mixed with water. Indefinite shelf life. C06061 — \$11.69

**Mastitis Test Paddle Only.** Makes CMT testing a fast and efficient one-hand operation. 10-fl.-oz. reagent reservoir is also the handle for the paddle. Milk is entered on the paddle. A quick squeeze of the handle then enters equal amounts of reagent at the same time into all 4 samples. Swirling the paddle mixes the samples for usual coagulation recognition. C24252 — \$28.59



**CLOTH TOWEL HALF APRON**

Durable, two-pocket bag of nylon pack-cloth. Includes belt and adjustable buckle. Each pocket holds approximately 25 towels. Pocket size: 12¼"W x 17"D. C19110 — \$32.99



**CLOTH TOWEL POUCH SET**

Two fabric bags with webbing around the top and 2" belt. Carry towels, medicine, or dairy supplies. Each bag holds 25 towels. 14"L x 8"W x 4"D. C27417 — \$44.99



**TOWEL TOTE**

Dispenses one towel at a time. Attached belt includes loops to hang teat dip bottles. Towels not included. Large. Holds 250 towels. C18096 — \$34.99



**WHITE TERRY UDDER CLOTHS**

Absorbent terry. 85% cotton/15% polyester. 12" x 12". C34871 Pack of 24 — \$29.99  
C34870 Case of 600 — \$729.99



**UDDERLY CLEAN ANTIMICROBIAL DAIRY TOWEL WITH EMBEDDED SILVER**

Ultra-plush, super absorbent with antimicrobial benefits. Lasts for hundreds of washings. 12" x 12". 85% polyester/15% polyamide/0.4% silver. Pack of 25. C34464 — \$15.99



**A DAIRY APRON**

Bib pocket, adjustable neck strap and waist straps, and side-release buckles. Poly vinyl fabric laminated to nylon taffeta keeps you dry. Royal blue. Water resistant. C23136 Large, 30"W x 42"L — \$23.09  
C23137 X-Large, 34"W x 48"L — \$24.99

**B HYCAR APRON**

Medium-weight apron tough enough to withstand use in the milking parlor. Vinyl construction provides protection from acids, alkalies, solvents, chemicals, oil, fats, grease, salt, and abrasions. Made with four metal grommets, reinforced bib, and all edges turned and hemmed. 35"W x 45"L. 14-oz. plastic. Black. C13384 — \$22.69

**C 100 ALL-PURPOSE DISPOSABLE SINGLE-USE APRONS**

Smooth white aprons of 1.75 ml polyethylene are liquid-proof. 28" x 46" aprons cover most people below the knee and the plastic ties and neckline band are designed for comfortable fit. Box of 100. W05863 — \$24.95

**D BIB APRONS**

Waterproof with adjustable neck and waist. PVC-coated. Heavy-duty reinforced PVC fabric. Full-length apron with bib. Fabric U.S.A. C32061 — \$24.99

**E DISPOSABLE COVERALLS**

Excellent for use in contaminated areas. Nonwoven, 100% polypropylene coveralls have a zip front, elastic wrist and ankle closures, and attached hood with elastic edge. Case of 25. NOTE: May run small; purchasing one size larger is suggested.

C19754 Large, 51" waist, 31" inseam  
C19755 X-Large, 56" waist, 32" inseam  
C19756 XX-Large, 58" waist, 33" inseam  
Each — \$89.99



**F TYVEK® DISPOSABLE COVERALLS**

Select Tyvek® coveralls for jobs requiring tear- and puncture-resistant apparel that withstands most chemicals and acids. Tyvek® is a polyolefin fabric that remains strong when wet or dry. Zipper front. Machine washable. NOTE: May run small. Purchasing one size larger is suggested.

**Medium.** 47" waist, 28" inseam. C18260 — \$9.99  
**X-Large.** 56" waist, 31" inseam. C18262 — \$9.99  
**Large.** 50" waist, 29" inseam. C18261 — \$9.99  
**XX-Large.** 58" waist, 32" inseam. C18263 — \$10.79



**3M™ PARTICULATE RESPIRATOR**

Protects against non-oil-based particles, pollen, dust, dry fertilizers, and molds. Natural rubber latex. Box of 20. C12128 — \$31.95



**TOWEL DISPENSER CABINET**

Holds up to 500 single-fold paper towels. White enameled steel. Slot shows when almost empty. Approximately 12"W x 7"H x 6"D. C05991 — \$84.99



**CELLULOSE SPONGES**

Exceptionally strong and tough. Dirt quickly rinses out; sponge will not absorb odors or stains. Pack of 2; 7½" x 7½" x ¾". C06000 — \$5.59



**DAIRY TOWELS**

Absorbent, strong, economical, single-use towels. Excellent for drying udders before milking. Box of 110, single-fold, 9" x 10½" towels. C10906 — \$5.69

**Band-Wrapped Dairy Towels.** Bundle of 200. 9" x 10½". C12897 — \$6.19





**WATERPROOF MILKING SLEEVES WITH THUMB HOLES**

Extends around each thumb, anchoring the sleeve inside your glove to prevent water, dip, and debris from reaching your skin. Waterproof fabric.

**Over-Shoulder Milking Sleeve with Thumb Hole Duo.**

Protects shoulders and arms and will not slide down. Elastic strap behind the neck connects the shoulders, keeping the sleeves in place. Machine wash and dry. Fabric imported.

**C32997** Small

**C33000** Medium

**C33001** X-Large

Each — \$37.99

**Milking Sleeve with Thumb Hole.** Features elastic and hook-and-loop closures at the top of the sleeve to offer a perfect fit around the upper arm. Individual sleeve. Fabric imported.

**C29761** — \$15.99



**DELUXE MILKING SLEEVES**

Rugged, yet flexible, yellow urethane protects arms and clothing against moisture and abrasion. Comfortable, 1½"W stretch-elastic cuff ends. 18"L. Pair.

**C34735** — \$8.39



**WATERPROOF PLASTIC SLEEVE**

Easy-to-clean sleeves. Keep your shirt sleeves clean and dry while milking. May be used in place of rubber veterinary sleeves. 18"L. Elastic at both ends. Pair.

**C06131** — \$4.79



**NYLON BULK TANK BRUSH**

White nylon bristles crimped to hold as much water as animal or natural fibers. Complete circle of tufts at each end for a full 360° cleaning action. 7½"W. Order 36½"L plastic handle separately below.

**C06027(B)** — \$49.99

**C06027(A)** Handle only — \$29.99



**HEAVY-DUTY FLO-THRU NYLON BRUSH AND HANDLE SET**

Foam block won't split or crack. 25"L, nylon bristles and vinyl bumper. 10" W brush with 1 tapered and 1 threaded handle hole. Set includes brush and 60"L fiberglass handle. Garden hose connector.

**C26270** — \$44.99

**C12872** Brush Only — \$39.99



**NYLON BRUSH**

20"L white plastic block and handle. Brush face is 5"L x 4½"W, nylon bristles trimmed to 15/8".

**C04567** — \$29.99



**ANKA WASH-DOWN NOZZLES**

High flow rates ensure a fast wash-down time. Outer ring protects the nozzle from excessive wear and prevents scratching of dairy equipment when nozzle falls or is dropped. Spray is adjustable from wide spray pattern to full bore flow. Impact resistant. Hose tails have no sharp edges on the barbs, reducing the chance of damage to the hose when clamps are used.

**Small Nozzle with 1" Hose Tail.** Minimum working pressure: 15-40 psi; maximum: 100 psi.

**C29610** — \$32.99

**Service Kits for Nozzles.** Contain diffuser, cap, nylon screw, nut, and O-ring.

**C29611** For small nozzle — \$12.99

**C29754** For large nozzle — \$14.39



**STAINLESS STEEL SANITARY MILK STRAINER**

12¾" top O.D. and a 5" bottom O.D. Includes retainer ring, flat stainless steel mesh filter, and a loop for hanging. Additional filtering, strainer used with a disposable 6½" filter disc (sold separately). Stainless steel.

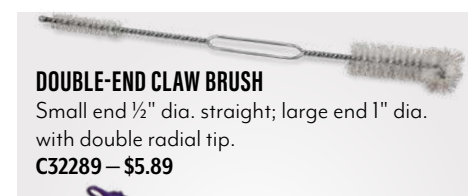
**C29353** — \$144.99

**Tuffy Non-Gauze Discs.**

The thicker filter. 6½" discs. Box of 100. **C07681** — \$7.29

**Non-Gauze Discs.**

6½" discs. Box of 100. **C25529** — \$8.09



**DOUBLE-END CLAW BRUSH**

Small end ½" dia. straight; large end 1" dia. with double radial tip.

**C32289** — \$5.89



**BOTTLE BRUSH**

Larger brush has an extra-long, flexible handle to clean all sizes of bottles. Smaller, tapered-head brush fits inside the handle of the longer brush. Smaller brush is great for cleaning tubes, caps, spouts, and spigots, as well as critter tubes and modular hutches.

**C34321** — \$5.49



**VOLUSPRAY WASH-DOWN GUN**

Nozzle adjusts from solid stream to fine spray with a twist. Ribbed neoprene covers and protects the nozzle and provides a comfortable, secure grip. Twist for positive shut-off. Works with booster pumps to a maximum psi of 125. With 1" solid brass barbed hose fitting. Allow extra delivery time.

**Z18072** — \$134.99

**Voluspray Wash-Down Gun with ¾" Female Garden Hose Fitting.**

Allow extra delivery time. **Z30349** — \$134.99



**LONN WATER SAVERS**

Flex the rubber nozzle, and it's on — drop it, and it's off. Instant flow adjustment from a trickle to full flow. Virtually indestructible, will not corrode. Cold water only. 9"L.

**Model R.** Sprays 30' at 60 psi.

**C08849** — \$47.99

**Model M.** Open-flow stream is great for bathing/cooling animals and filling water buckets.

**C08851** — \$47.99



**BRASS MIXING FAUCET**

Helps conserve energy by controlling temperature and flow. High-quality faucet features polished brass swing spout with ¾" GHT threaded tip. Nickel-coated body. Mount on the wall or edge of the tank. ½" NPT pipe connection is adaptable for copper tubing.

**C27393** — \$109.99



**CABLE BRUSH KIT**

8' 4"L with ½" burr. 9/16" dia. brush and accessories.

**C32403** — \$41.99



**NASCO BARN DESK**

Plenty of room for breeding, DHIA, and other records. Chain holds desk in writing position. Only 2" thick when closed against wall. Sturdy latch holds desk closed when not in use. 14½"L x 19"W. Galvanized.

**C06215** — \$239.99





**THE PERFECT TOOLS FOR MILKING**



**MR. TUFF PAILS**

Withstands corrosion, rust, dents, and cracks. Can be steam sterilized. High-density polyethylene with a leakproof lid. White.

- 1-Gallon Pail.** Plastic handle. **C33733 — \$4.69**
- Lid for 1-Gallon Pail.** Tear-tab cover. **C33734 — \$1.34**
- 2-Gallon Pail.** Plastic handle. **C33735 — \$6.69**
- Lid for 2-Gallon Pail.** Tear-tab cover. **C33736 — \$1.69**
- 3½-Gallon Pail w/Lid.** Galvanized wire bail with plastic grip. **C05575 — \$11.29**
- 5-Gallon Pail.** Galvanized wire bail with plastic grip. **C05574(A) — \$11.49**
- 5-Gallon Pail w/ Lid.** Galvanized wire bail with plastic grip. **C05574 — \$10.99**



**MILK PAIL**

Highly finished with natural finish on inside and bottom. Strong bail and ears, with a snug-fitting cover and a deep flange. 12"H x 4½" dia. 4-qt. capacity. Aluminum. **C09666 — \$51.99**

**STAINLESS STEEL PAILS**

Satin finish, one-piece construction. Extra-heavy reinforced top edge and bottom provides longer service.

- 13-Qt.** 10"H, 12" top dia., 8¼" base dia. **C12829 — \$159.99**
- 16-Qt.** 12"H, 12¾" top dia., 8½" base dia. **C12427 — \$184.99**



**STAINLESS STEEL DAIRY BUCKETS**

Rust and scratch resistant. Wire handle for easy carrying. Seamless. 0.95 mil thickness.

- C29839** 9 qt. — **\$55.99**
- C29840** 13 qt. — **\$64.99**
- C29841** 16 qt. — **\$74.99**
- C29842** 20 qt. — **\$84.99**



**COVERED TOTE PAIL**

Seamless, sanitary, stainless steel tote pail with satin finish inside and outside. Pail has sturdy side handles to aid in cover removal and pouring. Straight tubular design for carrying ease with a handle for convenient pickup, or lies flat against pail for storage. Triple-thick bottom, heavy 14-gauge wall, extra-thick rim, and rounded corners. Lid does not lock. 4½ gallon capacity. 16¾"H x 9¾" dia. Grade A approved. **C09789 — \$359.99**



**TAPERED DAIRY PAIL**

Stainless steel resists denting, corrosion, and tarnishing. Cleans easily. 12½-qt. pail. 10"H x 12" dia. **C24464 — \$159.99**



**DAIRY SCALE**

Round steel housing with recessed 8½" x 8½" dial and indicators, plus top and bottom hooks. Large numbers and graduations. Capacity: 70 lbs. by ½ lbs. in a single revolution. 17¾"H. **C05889 — \$58.99**



**WHIRL-PAK® SAMPLE BAGS**

Collect samples of milk, feed, soil, and more. Strong, sterile, and leakproof. Polyethylene bags carry solids or liquids to a lab for testing. "PUNCTURE PROOF TABS," which means the tape on the tab extends past the ends of the wire, covering the sharp points. Sterilized with ethylene oxide gas, which makes the inside completely bacteria-free. Use once and dispose. Unlike glass bottles, they are unbreakable, which means easier handling for milk haulers and lab techs. To close, simply whirl the bag 3 or more times and bend the tabs onto the bag.

**NOTE: Call, email, write, or fax for quantity prices on WHIRL-PAK® bags.**

Product No.	Capacity	Dimensions	Style	Bags/Box	Price (Box of 500)
B01064	2 oz.	5"L x 3"W	Write-On	500	<b>\$82.99</b>
B00679	4 oz.	7¼"L x 3"W	Plain	500	<b>\$79.99</b>
B01062	4 oz.	7¼"L x 3"W	Write-On	500	<b>\$84.99</b>
B00736*	18 oz.	9"L x 4½"W	Plain	500	<b>\$114.99</b>
B01297	24 oz.	9"L x 6"W	Write-On	500	<b>\$154.99</b>

\*Bags should not be used at temperatures above 180° F (82° C). Bags can be frozen to any temperature, including liquid nitrogen temperatures down to -346° F (-210° C). Careful handling required after freezing.



**NASCO MILK SAMPLING ICE CHEST**

Exterior and interior walls are lightweight, but extremely durable cyclolac. A middle ply between the walls is filled with a rigid polyurethane foam to ensure constant temperatures in all weather conditions. Easy to clean. Recessed carrying grips and a contact seal top. Milk samples must be in contact with ice or water to be effectively held at a temperature range between 32° and 40° F. By storing ice and milk samples side by side with a flow-through divider, ice water circulates freely in the box maintaining cool temperatures. NOTE: Wire rack not included. 16¼"L x 14"W x 9¼"D. Pastel green. Includes cover. **C06115 — \$339.99**

**NASCO MILK DUMP BAND**

Tear-resistant paper material. Apply using the strong adhesive strip provided. Date information can be marked on the band. Red. Pack of 50. **C13956 — \$18.49**



**NASCO RECORD FILE FOLDERS**

Includes a diagram for you to draw each cow's markings as well as track various records including birthdate, vaccinations, production, etc. Pack of 100 (8½" x 11"). **C06106 — \$50.99**

**BESTWAY ELECTRIC COW TRAINERS**



**A COW TRAINERS – T-BAR TYPE WITH NOTCHED BAR**

Galvanized cross bar has points at 98° angles for better penetration; no sharp edges. Uprights are cadmium plated and equipped with Magi-Klip and insulator for shock-free adjusting up to 38"L.

Product No.	Unit of Trainers	Each
C05482	15	\$139.99
C15577	30	\$274.99

**B Heavy-Duty Reversible Clip for Cow Trainer.**

Allows adjustment to trainer without turning off the electric fence controller. Highly flexible, even in extreme low temperatures. Pack of 10. C32074 – \$15.99

**C COW TRAINERS WITH POINTS**

Galvanized cross bar with 29 points gives positive contact even when rubber cow mats are used. Upright trainer bars are ¼" x ⅛" flat cadmium plated with spring clip at top for easy hanging to overhead wire. Equipped with the Magi-Klip and insulator for shock-free adjusting without turning off electric controller. Adjustable up to 38"L.

Product No.	Unit of Trainers	Each
C04534	15	\$134.99
C15579	30	\$264.99

**D BESTWAY MAGI-KLIPS**

No need to shut off the controller for adjustments. Works with a touch of the fingers for adjusting or separating for easy cleaning. Pack of 10. C04536 – \$17.99

**E COW TRAINERS – FLEXIBLE**

Flexible unit guarantees the same voltage on trainer bars as on overhead line. Rubber-coated copper wire makes positive contact from trainer cross bar to overhead line. No corrosion can set in here as with a chain. Shock-free. Adjust up to 36"L.

Product No.	Unit of Trainers	Each
C05483	15	\$159.99
C15576	30	\$339.99

**SAVE-A-STALL ANCHOR**

Easily repair rusted or broken steel tube stalls and pens. Anchors fit most makes of barn equipment. For maximum strength, install anchor so bolt heads are facing gutter or center walkway. Fits 1½" pipe. C04527 – \$43.99



**THREE-BOLT TEE CLAMP**

Zinc-plated, heavy-gauge steel hardware for 1½" round tubing or 1¼" pipe. Nuts and bolts included. C15227 – \$14.59



**ARCH TIE CHAIN WITH PUSH-IN SNAP**

Designed for over-bend and standard tie stalls. Includes a 19" 4/0 straight link chain, two Omega rings, and a 5" snap. C14931 – \$34.99



**CUSTOMER FAVORITE**

**EXPRESS UDDER HAIR REMOVERS**

Reduces the spread of germs and risk of mastitis by removing unwanted udder hair, leading to faster and more thorough udder cleaning and easier teat identification for robotic milking. Hair removal is done by drawing a figure-8 pattern 4" to 7" below the udder for 2–4 seconds. The soft flame provides a sensation of warmth and is painless. Two designs make it useful for any operation. The angled wand is ideal for stanchion barns, and the straight wand is ideal for milking parlors. Units include hose, regulator for 14-oz. propane cylinder, and flint striker.

C35109 Angled Wand	C35110 Straight Wand
Each – \$274.99	

**AGRICULTURE EDUCATION**



**TICKLEME PLANT™**

When touched, the TickleMe Plant™ (Mimosa pudica) quickly closes its leaves and even its branches move down when tickled. These plants also appear to sleep at night by closing up their leaves. Seeds can sprout in a matter of days and within a month the plant will move when tickled. Adult plants can produce pink flowers.

**Group Kit.** Everything you need for your group (up to 30) to grow these plants from seeds to flowers and back to seeds. Includes 30 seed packets, 30 flower pots (4"), and 30 expanding Wonder Soil® waters. The 38-page TickleMe Plant™ book features over 60 color photos, information about how to care for your plant, over 20 teacher-created science projects, and experiments. EL10351 – \$89.99

**Greenhouse Kit.** Includes 2 plant seed packets (each with 10–20 seeds), reusable greenhouse made of recycled plastic, 6 flower pots, 6 coco-peat soil pellets, 10 fun science experiment ideas, and instructions.

⚠ CHOKING HAZARD (1). Not for under 3 yrs.

C29749 – \$23.19

**Plant Seed Packet.** Includes 10–20 seeds and instructions. SB43354 – \$7.49



**Nasco FARM & RANCH**



**NASCO FLORAL DESIGN BASICS MATERIALS KIT**

Gr. 7–12 Everything you need to complete the Floral Design Basics Lesson Plan – except the flowers. Kit includes: elastic wrist corsage wristlets, a roll of floral tape, floral wire, white plastic bowl for centerpiece arrangement, blocks of floral foam, assorted ribbons, corsage pins, and lesson plan.

NE40097 – \$79.99



**SEED STARTING KIT**

Includes seed assortment, pack of 50 Jiffy® peat pots, 50 plant tags, 16 quarts of Jiffy-Mix® seed starting soil, and osmocote plant food.

SB42710 – \$49.95



**NASCO GROW A FRUIT AND VEGETABLE GARDEN STUDENT KIT**

Get your students started on their very own garden. This handy, economical take-home kit includes: 1 pack each of pumpkin, green beans, lettuce and corn seeds; seed starting cartons, soil, planting directions, and activity guide.

SB53412 – \$19.99



**NASCO GROW A DECORATIVE GARDEN STUDENT KIT**

Budget friendly take-home or in-class student kit shows students the beauty and the magic of blossoms. Kit includes: a 4-pack of annual flowers and grasses; seed-starting cartons and soil; planting directions and activity guide.

SB53411 – \$19.99

**Nasco FARM & RANCH**

EXCLUDED FROM DISCOUNTS

SHOP OUR FULL SELECTION AT [NascoFarmandRanch.com](http://NascoFarmandRanch.com)



**AQUAPONICS GROW RACK WITH FISH BARRELS**

Complete system with 4 plant trays and 2 fish filter barrels. The 4 trays can support 24 plants. Adjustable water depths — higher water levels for starting new sprouts, lower water levels for use of NFT for established plants. Includes snap-together rack; trays; net pots; rockwool cubes; water pump; supply input; and 2 recycled food-grade, fish filter barrels (each 55 gallons). Use indoors or out. Allow extra delivery time. 🚚  
**Z51488 — \$1,599.99**

**Aquaponics Grow Rack Only.** Use with an existing tank or aquarium (not included) or place on top of 55-gallon fish filter barrels (Z51470, sold separately below). Can also be used next to a pond outdoors. 18"L x 48"W x 25"D. Includes grow rack assembly, water trays with covers, net pot, rockwool cubes, plumbing, and water pump (with 5'L supply and drain hoses). Pump is capable of pumping to a height of 6'. Allow extra delivery time. 🚚  
**Z51469 — \$1,019.90**



**MINI FISH FARM™**

Entire system contains 400 gallons of water, making heating, water changes, and overall size and weight minimal. Maintenance takes less than 10 minutes per day. Only two 5-gallon pails of water need to be emptied and replaced. Entire system fits in a 6' x 8' area and can fit through a 36" door. 24" x 24" window. Polyethylene tank is 64" dia. x 35"H. System includes an air pump, clarifier, biological filter, and an operation manual. All electrical components are UL approved. 1-year warranty. Allow extra delivery time. 🚚  
**Z29920 — \$4,000.00**



**A 2½-BARREL AQUAPONICS SYSTEM**

Teach the fundamentals of a fast-growing agriculture opportunity with this simple, compact, efficient design. Complete system fits in about 6 sq. ft. of floor space. Top half-barrel is used both as a filtration system and a plant grow bed. With almost 5 sq. ft. of growing space, you can plant and test a number of crops. The 2 connected barrels hold almost 100 gallons of water. Both barrels can hold fish, giving you the flexibility to separate sizes or species. System will support 25 or more full-size tilapia. Self-contained system needs no direct plumbing connections. Only electrical need is for a small water pump used to recirculate the water and also an air pump. A heater (Z40531 sold separately, below) can also be used for warm-water fish. System runs from a standard 120V outlet. Includes recycled food-grade barrels, pump, plumbing, and growing media for the grow bed. Allow extra delivery time. 🚚  
**Z47127 — \$569.99**

**B COMPLETE AQUACULTURE SYSTEM WITH 55-GALLON BARRELS**

This 3-barrel system fits in a 5 sq. ft. area. Configured as an ecosystem featuring biological filtration and an area for plant growth. Supports up to 15 full-size tilapia to a harvest size of 1¼ lbs. Self-contained system needs no direct plumbing connections. Only electrical need is for a small air pump used to aerate and recirculate the water. A heater (Z40531 sold separately, below) can also be used for warm-water fish. Both run from a standard 120V outlet. Includes 3 recycled food-grade barrels, plumbing, airlife column assembly, air pump with air diffusers, filter material, grow raft, net pots, and rockwool. Allow extra delivery time. 🚚  
**Z41888 — \$455.00**

**300-Watt Heater.** Submersible heater will help keep water temperatures at the proper levels for warm-water fish. Allow extra delivery time. 🚚  
**Z40531 — \$74.99**

**C COUNTERTOP AQUACULTURE SYSTEM**

These 3 containers are configured as an ecosystem featuring biological filtration and an area for plant growth. System is self contained and needs no direct plumbing. Fits in an area of just 2 sq. ft. Requires only a few connectors screwed together by hand, making it easy to clean or move in minutes. 14"H containers are recycled water carboys. Totally self-contained system requires only one 120V outlet for operation. Includes all containers, pipe, connectors, filter material, air pump, and air stone. Also includes a one-plant hydroponic raft. Allow extra delivery time. 🚚  
**Z40649 — \$250.00**

**COUNTERTOP AQUAPONICS SYSTEM**

This 5-gallon aquarium utilizes a simple airlift pump. Water flows through the filter media, along to the plants. Filtered water then returns to the fish. Add water along with your choice of fish and seeds, then watch the eco-system grow. Removable top for easy cleaning. Allow extra delivery time. 🚚  
**Z48490 — \$320.00**



**AQUASPROUTS® AQUAPONICS EDUCATION KIT**

Six 50-minute lesson plans cover ecosystems, water cycle, fish basics, and more. Includes printed and electronic education booklets, seed packets, 20 g of natural fish food, and 4-oz bottles of natural water dechlorinator and beneficial bacteria.  
**SB52672 — \$99.95**



**COUNTER AQUAPONICS WITH GROW LIGHT**

Add water along with your choice of fish and seed, then watch the eco-system grow. System uses a space-saving 5-gallon aquarium (included) utilizing a simple airlift pump. Water flows through the filter media along to the plants and filtered water then returns to the fish. Can be used to grow a variety of herbs and lettuces. LED grow light is positioned directly over the grow raft. Height can be easily adjusted as plants grow. Top can be removed for easy cleaning. 16"L x 8"W x 21½"H. Allow extra delivery time. ⚠️ CHOKING HAZARD (1). Not for under 3 yrs.  
**Z51477 — \$549.99**



**AQUASPROUTS® COMPLETE GARDEN KIT**

Contains everything you need to turn any standard 10-gallon aquarium (not included) into a self-sustaining ecosystem using aquaponics. Includes AquaSprouts® Garden, submersible pump, mechanical timer, expandable bar light, LED grow light, and grow media.  
**SB52714 — \$250.00**  
**AquaSprouts® Garden Kit**  
Contains everything listed above, except 10-gallon aquarium and LED grow light.  
**SB51992 — \$179.95**



**CLASSROOM AQUAPONICS**

Engage students in ecology, biology, earth systems, math, history, and literature while pairing fish and plants in one integrated system. In addition to growing vegetables in a sustainable process, learn about germination rates, fish anatomy, and the nitrogen cycle. Disassembly for cleaning and harvesting is simple. Includes 10-gallon aquarium with open top for feeding and sampling, 60" of nutrient film technology growth channel, pump/powerhead with 160-gph flow, filter, tubes and fittings, manual, lesson plans, and manual. Allow extra delivery time. 🚚  
**Z49074 — \$590.00**

NEW

EXCLUDED FROM DISCOUNTS



**OPCOM® DEEP FLOW TECHNIQUE PALLET FARM**

Introduce students to alternative farming methods with this vertical planting system that grows up to 864 leafy plants, herbs, and micro-greens such as lettuce, kale, basil and more. Plants are grown in a tray with roots submerged in water containing nutrients that are pumped up from the main reservoir. For more information, visit [nascoeducation.com](http://nascoeducation.com). Allow extra delivery time. 🚚

NE30258 – \$7,600.00

**HOW CAN VERTICAL FARMING HELP FEED THE WORLD?**

AFNR/SEL Lesson Plan

To download this free lesson plan, visit [nascoeducation.com/lesson-plans](http://nascoeducation.com/lesson-plans) and search U28102.



EXCLUDED FROM DISCOUNTS

**OPCOM® FARM GROWBOX HYDROPONICS SYSTEM**

All-in-one hydroponic growing systems for growing vegetables or flowering plants indoors year-round. Uses 90% less water than conventional outdoor gardening. Automated control system manages light and water circulation with one touch. High-intensity LED lighting simulates sunlight across full color spectrum. Open frame for easy access. Includes pH and EC meters, and nutrients. Power: 100-240V (±10%). Tabletop unit has 4 adjustable LED lights and 50 sponge planting sites. Accommodates plants over 3' tall or vining plants. Water capacity: 3.9 gallons. 41" x 28" x 23"-42". Allow extra delivery time. 🚚

Z50809 – \$705.00



Submersible water pump

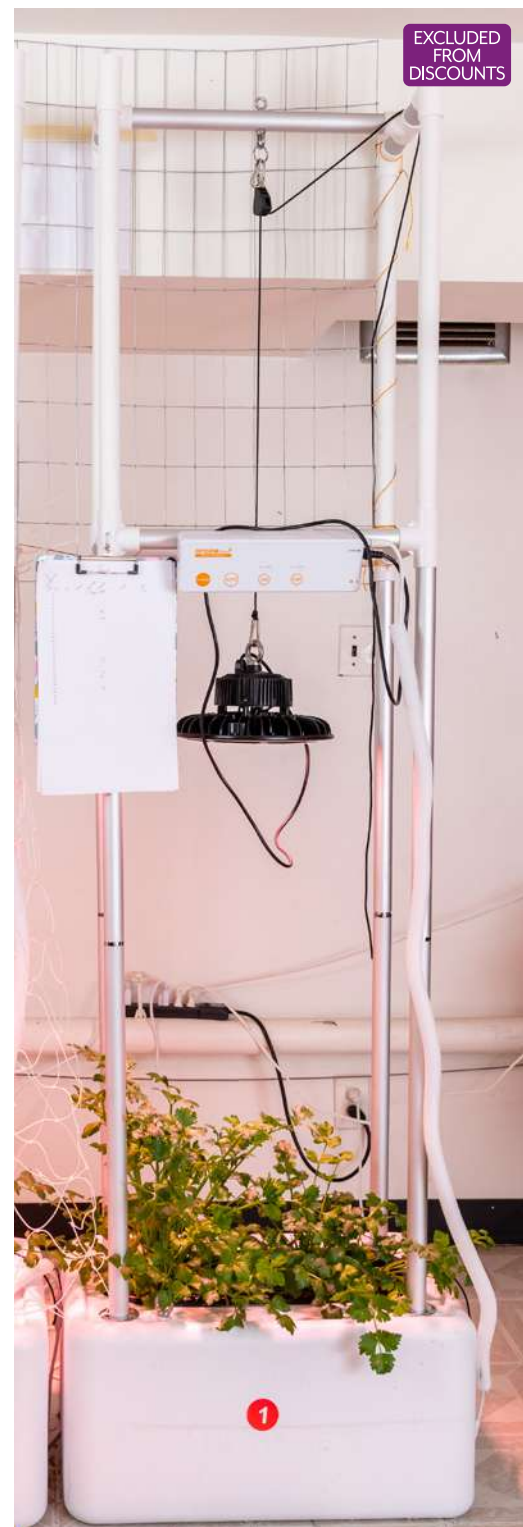


Locking cabinet for air pump

**HYDROPONICS GROWING CENTER**

Self-contained ebb and flow system features two adjustable timers for water and sunlight, 150-watt grow light, water pump, containment plant tray (27½" x 42" x 8"), 25-gallon nutrient reservoir with lid, submersible pump, air pump, locking cabinet for timers and air pump, air stone, hoses, and 8" net pots. Unit moves on 4" locking, leveling casters. 28" x 52" x 78". Allow extra delivery time. 🚚

Z49096 – \$2,149.99



EXCLUDED FROM DISCOUNTS

**GROWTANK**

For growing giant climbing plants and fruit. 8 large 2½" holes are over 1' deep. Four climbing tubes (5' each) for vining plants. Multiple tanks can be linked together and synchronized with included Smart Box. Water capacity: 21 gallons. 25½" x 17¼" x 64¼" (with climbing tubes). Allow extra delivery time. 🚚

Z50813 – \$705.00

EXCLUDED FROM DISCOUNTS

CUSTOMER FAVORITE



**OPCOM® GROWWALL 3C HYDROPONICS SYSTEM**

This all-in-one hydroponics growing system grows vegetables and herbs year-round and uses 90% less water than outdoor gardening. Grow up to 144 plants at a time with the space-saving, double-sided vertical design. The automated system adjusts LED light and water circulation efficiently, only using 2.3 kWh daily. Includes a starter kit with grow sponges, pH adjusters, and nutrients. Power: AC 100-240V. Allow extra delivery time. 🚚

NE30337 – \$1,199.00

**O<sub>2</sub> LIGHT**

Doubles as a tabletop LED reading light with an air refresher fan. Adjustable dual-line water tank accommodates any standard 1", 2½", 3", or 4" flower pot. Fits up to sixteen 2½" pots or sponges. Adjustable position. Water capacity: 0.7 gallons. 22" x 5½" x 21½". Allow extra delivery time. 🚚

Z50814 – \$230.00



EXCLUDED FROM DISCOUNTS



**MR. ROOTBEER® KIT**

Kit contains all the essential ingredients to brew two batches of root beer in 3 days (each batch makes 1 gallon). Learn the chemistry behind this soda, as well as some fun facts and history. Unlike store-bought root beer, this is naturally carbonated, giving it less fizz and a smoother, creamier taste. Includes root beer mix, dry yeast, flavor crystals, no-rinse cleanser, 4 reusable plastic bottles (FDA approved for food and beverage), 4 reusable plastic pressure-relief caps (designed to release excessive pressure as a safety measure), 4 labels, funnel, guide, and instructions. NOTE: Due to this carbonation process, your root beer will contain trace amounts of alcohol (approximately 1/2 of 1% ABV).  
**C32807 – \$31.99**



**NASCO FOOD SAFETY AND SANITATION CLASSROOM KIT**

**Gr. 6–12** Teach your students all there is to know about food safety and sanitation before they start handling food in the classroom. Through games, simulations, and activities, introduce them to a variety of topics in food safety using this comprehensive kit. Includes a bingo game, counting chips, two kits, and an activities book. **△ CHOKING HAZARD (1)**. Not for under 3 yrs.  
**NE40196 – \$225.55**



**KITCHEN SCIENCE CLASS KIT**

**Gr. 7–10** Perform experiments to explore physical and chemical properties of starches, sugars, proteins, and yeast, making comparisons by collecting and graphing quantitative data. Enough materials for 24 students working in groups of 4. Required, but not included: scale and Bunsen burner, hot plate, or stove top.  
**WA33119 – \$249.99**



**SAFGARD HOME PASTEURIZER**

The only home pasteurizer with pressurized heating and vacuum-sealed cooling. Heavy-duty thermostat controls the temperature between 155° and 159° F. The thermostat automatically shuts off the heat when pasteurization is complete and then turns on a buzzer to let you know the milk is ready for cooling. Any amount of milk or cream up to 2 gallons can be pasteurized at one time. Everything inside the pasteurizer is made of aluminum. All parts are easy to clean. 2-gallon capacity. 1,250 watts, 110-120V AC. UL listed. 1-year warranty.  
**C05586 – \$479.99**



**A MOZZARELLA & RICOTTA CHEESE KIT**

Makes up to 20 lbs. of mozzarella and 10 lbs. of ricotta. Contains 10 vegetable rennet tablets, 8-oz. cheese salt, 8-oz. citric acid, thermometer, butter muslin, and 11-page recipe booklet.  
**C19125 – \$31.49**

**Cheese Rennet Tablets.** Made from a non-animal vegetable source, each tablet is scored into four segments. 1-quarter tablet will set 2 gallons of milk in 45 minutes. Coagulation strength 1:10,000. Pack of 10 tablets.  
**C11936 – \$8.99**

**B BASIC HARD CHEESE KIT**

Makes cottage cheese, feta, Monterey Jack, farmhouse cheddar, Gouda, Colby, Parmesan, and whey ricotta. Additive- and preservative-free. Includes a detailed recipe booklet, cheese mold, dairy thermometer, coarse cheesecloth, vegetable rennet tablets, direct-set mesophilic starter, direct-set thermophilic starter, and calcium chloride. Citric acid not included. Store in a cool, dry place.  
**C11506 – \$38.49**

**Reusable Cheesecloth.** 2 sq. yds.  
**C11940 – \$9.49**



WA28161

**GLO GERM™ ULTRA-BRIGHT KIT**

Used as a graphic illustration to show where bacteria can hide, the powder and oil reveal areas most often missed in hand washing. Includes a handheld 21 LED ultraviolet flashlight, 8-oz. bottle of Glo Germ™ oil, 1.9-oz. bottle of Glo Germ™ powder, and case.  
**WA28161 – \$98.70**

**CUSTOMER FAVORITE Glo Germ™ Kit, Small.** Identical to the kit above (WA28161), except with a 9 LED ultraviolet flashlight.  
**WA28160 – \$80.50**



**GLO GERM™ MIST SPRAY CANISTER AND REFILL**

Aerosol-free, easy-to-use pump canister for airborne microbe simulation. Includes 8-oz. refill.  
**WA34330 – \$49.33**  
**WA34331 Refill Only – \$21.50**  
**WA34332 Canister Only – \$32.00**

**GLO-BRUSH**

Adjustable flow brush lets you apply a thin layer of powder to any surface quickly and without waste. Has a refillable powder reservoir and a cover to protect bristles. Includes 4-oz. container of Glo Germ™ powder.  
**WA23447 – \$58.50**



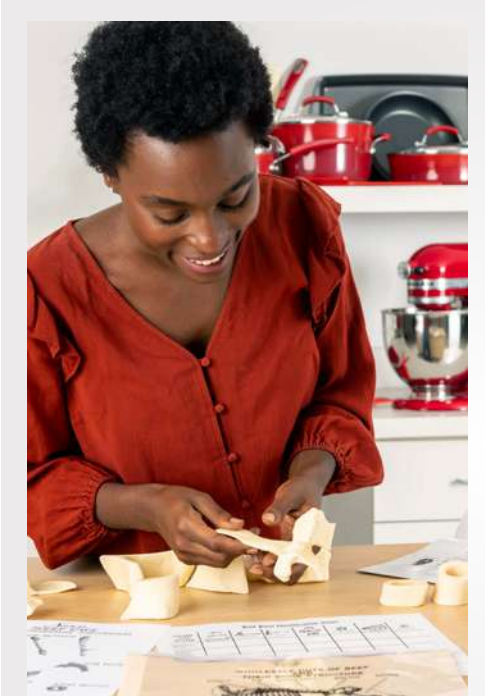
**CHEESEMAKING KIT**

Make cheese using basic modern science concepts and principles. Prepares milk for the curdling process by adding a viable, nontoxic bacteria to it. You will not only make cheese, but also have a chance to study live harmless bacteria in an important food process as well as the live bacteria itself. Complete for 30 students (in teams of 2). **△CHOKING HAZARD (1)**. Not for under 3 yrs.  
**SB13733 – \$90.95**

**BEEF LESSON PLANS**



To download these free lesson plans, visit [nascoeducation.com/lesson-plans](http://nascoeducation.com/lesson-plans) and search U28040 and U28047.

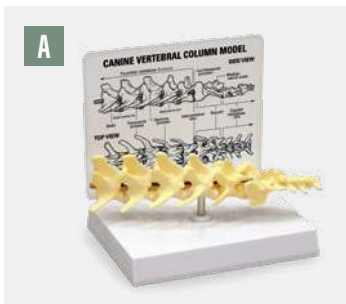


**NASCO BEEF CUT IDENTIFICATION PROGRAM**

**Gr. 7+** Learn how to identify beef cuts and select cuts by using bone replicas. Includes 11 major beef bones, 30 student workbooks (including charts, diagrams, exercises), 30 tests, and 2 overhead transparencies.  
**W09875 – \$246.60**



W09875



**A CANINE 5-PIECE VERTEBRAE MODEL**

Vertebral column of average-size dog features 5 lumbar vertebrae and disks, caudal (tail) vertebrae, and sacrum. Model: 8" x 2" x 2" on a 5" x 6" x 1" base. Card: 5¼" x 6½".  
**C33925 – \$99.99**



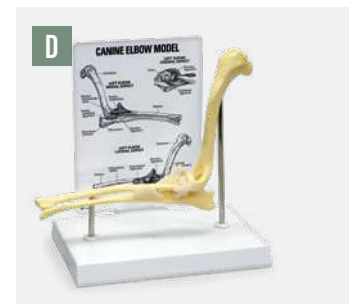
**B CANINE SHOULDER MODEL**

Average-size dog shoulder with scapula, humerus, biceps brachii tendon, coracobrachialis tendon, lateral glenohumeral ligament, medial glenohumeral ligament, and transverse humeral ligament. Model: 11½" x 3" x 2" on a 5" x 6" x 1" base. Card: 8" x 5".  
**C33923 – \$119.99**



**C CANINE EAR MODEL**

Average-sized, two-sided anatomical model of a canine ear. Normal side depicts all parts of the ear so they can be identified; abnormal side demonstrates how those parts appear when something is wrong. Model: 4¾" x 2¾" x 2". Card: 6½" x 5¼".  
**C33946 – \$139.99**



**D CANINE ELBOW MODEL**

Healthy left elbow of average-size dog includes humerus, radius, ulna bones, and 6 ligaments. Model: 9½" x 1¾" x 7½" on a 5" x 6" x 1" base. Card: 8¼" x 6¼".  
**C33922 – \$119.99**



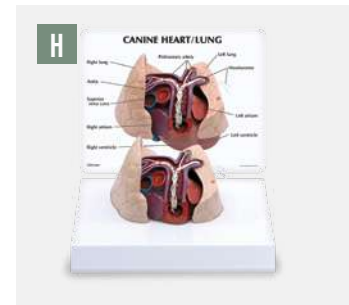
**E CANINE 4-STAGE KNEE MODEL**

Illustrate degenerative joint disease (osteoarthritis) with this set of 4 life-size models. The disease-free (normal) knee also includes additional important structures including ligaments, tendons, and patella. Progressive degeneration of the articular surfaces and development of osteophytes (bone spurs) is shown in the other 3 models. Model: 2" x 3½" x 7". Card: 8¼" x 6¼".  
**C33929 – \$149.99**



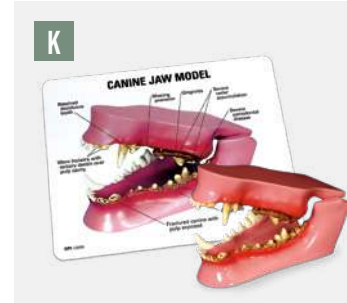
**F CANINE SKIN MODEL**

Enlarged cross-section of canine (dog) skin. One side has normal skin anatomy extending from the epidermis down to the layer of subcutaneous fat. The other side demonstrates progressing changes of a flea bite from wheal to infected pustule. Model: 5¾" x 4½" x 3". Card: 6½" x 5¼".  
**C33924 – \$102.00**



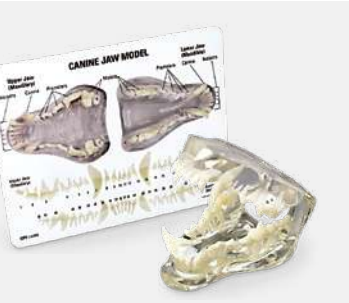
**G CANINE PELVIS (HIP) MODEL**

Average-size dog pelvis with both normal and osteoarthritic bone, body of ilium, greater trochanter, head in acetabulum, herniated disk, neck of femur, nerve, sacrum, and third trochanter. Model: 7" x 5½" x 11" model on 5" x 6" x 1" base. Card: 6¼" x 8¼".  
**C33928 – \$149.99**



**H CANINE HEART/LUNG MODEL**

Average canine heart and lungs infected with heartworms. Cut-away view demonstrates structures in the heart and lungs where adult-stage heartworms are normally found. Model: 3¾" x 2¾" x 2½". Card: 6½" x 5¼".  
**C33917 – \$99.99**



**I CANINE SKIN PARASITES MODEL**

Parasite effects range from irritation to life-threatening conditions if left untreated. Some can infect and transmit to humans. Shows the 3 most common external parasites: mite (4" x 2¼" x 2½"), flea (4" x 1½" x 3"), and tick (4" x 4" x 1¼"). Card: 8¼" x 6¼".  
**C33930 – \$184.99**

**J DOG SKELETON MODEL**

Axial skeleton is made of trunk bones and skulls. Limb bones include forelimb and hind limb. PVC with black base. 23½" x 7¾" x 11½".  
**C35661 – \$124.99**

**K CANINE JAW MODELS**

Models illustrate average-sized canine jaws. Hinged jaws open and close and separate for closer study. Each includes a 6½" x 5¼" key card.  
**Canine Healthy/Diseased Jaw Model.** Healthy teeth on the right side and diseased/damaged teeth on the left. 4¾" x 2¾" x 2".  
**C33945 – \$149.99**

**Canine Clear Jaw Model.** Healthy canine jaw showing the roots of all teeth (incisors, canine, premolars, molars). 4¼" x 3" x 2".  
**C33927 – \$154.99**



**L FELINE JAW MODELS**

Average-sized feline jaws. Hinged jaws open, close, and separate for closer study. Model: 2¾" x 2" x 1½". Card: 6½" x 5¼".  
**Feline Healthy/Diseased Jaw Model.** Healthy teeth on the right side and diseased/damaged teeth on the left. Eight pathologies: fractured canine, periodontal disease, tartar accumulation, plaque, gingivitis, worn incisors, retained deciduous tooth, and missing premolar.  
**C33921 – \$144.99**

**Canine Heart & Breath Sounds Complete Set.** Includes 1 of each sound module below. TUTOR MS Data Selector (SB28954, above) needed to use these sound modules.  
**SB48099 – \$305.00**

**Canine Heart Sounds Module**

- 1) Atrial Fib
- 2) Mitral Regurgitation
- 3) Mitral Valve Click
- 4) Normal
- 5) PDA
- 6) Pulmonic Stenosis
- 7) Respiratory Crackle
- 8) SAS
- 9) Mitral Regurgitation VPC
- 10) VSD

**Canine Breath Sounds Module**

- 1) Tracheal
- 2) Vesicular
- 3) Broncho-Vesicular
- 4) Bronchial
- 5) Wheezes
- 6) Monophonic Wheeze
- 7) Pleural Friction Rub
- 8) Stridor
- 9) Cavernous
- 10) Crackles, Med. to Fine
- 11) Crackles, Rhonchi
- 12) Crackles, Coarse
- 13) Pulmonary Edema
- 14) Puppy



**M FELINE HEART/LUNG MODEL**

Average feline heart and lungs infested with a single heartworm. Cut-away view demonstrates structures in the heart and lungs where adult-stage heartworms are normally found. Cut section of lung indicates patches of heartworm-induced irritation. Model: 3¾" x 2¾" x 2½" on a 6½" x 5" base. Card: 6½" x 5¼".  
**C33918 – \$94.99**

**O HORSE ACUPUNCTURE MODEL**

Teaching aid is ideal for showing commonly used acupuncture points on a horse. 9½" x 2¾" x 9¼".  
**C35657 – \$41.99**

**P EQUINE SKULL & TEETH MODEL**

Life-size model based on a 15-year-old Quarter Horse that reflects the horse's original teeth. Demonstrates a number of dental malocclusions and other abnormalities. Allow extra delivery time.  
**Z45658 – \$599.99**  
**Replacement Teeth.** Allow extra delivery time.  
**Z45659 – \$69.70**



**N FELINE ELBOW/SHOULDER MODEL**

Life-size model of an elbow and shoulder of a cat. Features normal bone and osteoarthritic changes to joints. Model includes: scapula, humerus, radius, ulna, and 9 important ligaments and tendons. Model: 7¾" x 4" x 7/8" on a 6½" x 5" x 1" base. Card: 6½" x 5¼".  
**C33916 – \$176.20**

**O HORSE ACUPUNCTURE MODEL**

Teaching aid is ideal for showing commonly used acupuncture points on a horse. 9½" x 2¾" x 9¼".  
**C35657 – \$41.99**

**P EQUINE SKULL & TEETH MODEL**

Life-size model based on a 15-year-old Quarter Horse that reflects the horse's original teeth. Demonstrates a number of dental malocclusions and other abnormalities. Allow extra delivery time.  
**Z45658 – \$599.99**  
**Replacement Teeth.** Allow extra delivery time.  
**Z45659 – \$69.70**



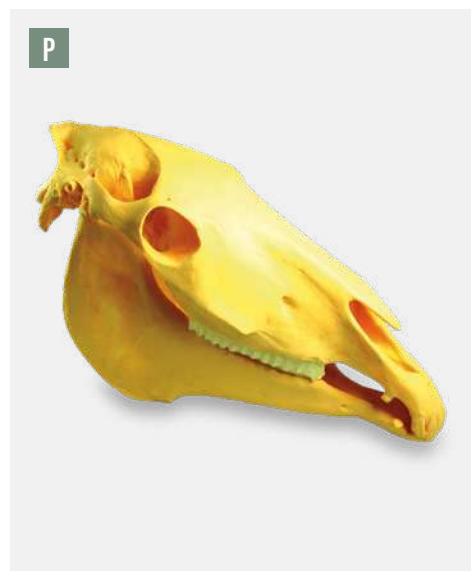
**TUTOR MS – DATA SELECTOR (SOUNDS)**

Reproduces actual canine heart and breath sounds with the advantage of instantly changing between sounds for comparisons. Stethoscopes are placed on the pliable pads of the Sounders for lifelike use hearing sounds. Up to 15 Sounders may be used together in chain-like fashion. LEDs on both sides of the volume control light only during systole to permit differentiation between systolic and diastolic events. Battery-operated for individual and classroom use. Comes with 2 Sounders. Sound modules sold separately below.  
**SB28954 – \$1,050.00**



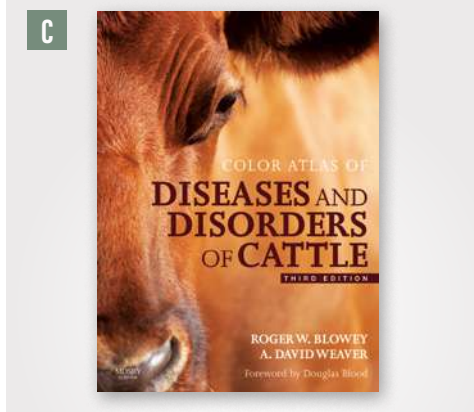
**O HORSE ACUPUNCTURE MODEL**

Teaching aid is ideal for showing commonly used acupuncture points on a horse. 9½" x 2¾" x 9¼".  
**C35657 – \$41.99**



**P EQUINE SKULL & TEETH MODEL**

Life-size model based on a 15-year-old Quarter Horse that reflects the horse's original teeth. Demonstrates a number of dental malocclusions and other abnormalities. Allow extra delivery time.  
**Z45658 – \$599.99**  
**Replacement Teeth.** Allow extra delivery time.  
**Z45659 – \$69.70**



**A VETERINARY URINALYSIS SIMULATION**  
Analyzes simulated dog urine for pH, density, glucose, phosphates, and chlorides. Use the results to help diagnose the health of several dogs. NOTE: A hot plate, Bunsen burner, and test tubes are necessary, but are not included. Enough supplies for 30 students. **CHOKING HAZARD (I).** Not for under 3 yrs.  
**C34432 — \$159.99**

**B READY-TO-LOAD™ DNA: DETECTION OF MAD COW DISEASE**  
Examine simulated PCR products from several feed mills to ensure no animal parts are being used in cattle feed. DNA samples are stable at room temperature. For 8 gels (2-3 students each); 16-24 students total.  
**C26406 — \$129.95**



**Animal Health and Food Safety: Chicken Little, Chicken Big Kit (Developed by SEPUP)**  
Participants analyze data from a fictitious 8-week study on the effects of a chicken growth supplement. Activities introduce thresholds and toxicology, the design of clinical trials, and how to determine threshold and lethal doses. For 32 people or 8 groups of 4. **CHOKING HAZARD (I).** Not for under 3 yrs.  
**C33792 — \$114.99**



**C COLOR ATLAS OF DISEASES AND DISORDERS OF CATTLE**  
Presents over 840 color illustrations and clear coverage of conditions, including burns, bleeding calf syndrome, rib fracture, jejunal hemorrhagic syndrome, and more. Covers the visible signs of diseases and disorders in the live animal, improvements in animal welfare, locomotor disorders, lay terms, acronyms, and more. Illustrated. 272 pages.  
**C26415 — \$179.99**

**D GENETICS I KIT**  
Become familiar with some human genetic traits and characteristics. Understand inherited differences.  
**C32877 — \$124.99**



**E NATURAL SELECTION AND ANTIBIOTIC-RESISTANT BACTERIA KIT**  
Models the effects of antibiotics on disease-causing bacteria. See how more-resistant bacteria are selected if antibiotics are not taken properly.  
**CHOKING HAZARD (I).** Not for under 3 yrs.  
**SB42898 — \$99.95**

SHOP OUR FULL SELECTION AT  
**NascoFarmandRanch.com**



**CASPER THE CPR DOG**  
CasPeR the CPR Dog provides training in mouth-to-snout resuscitation with individual use, disposable airway bags. These economical disposable shield/lung bags eliminate cross contamination between students and the need to disinfect the manikin after every use. This dog manikin can be used to teach proper hand placement for compressions, depth of compressions, airway maintenance, femoral pulse check, and adequate ventilation. Airways are changed quickly and without tools. 3-year warranty  
**100-5000 — \$439.00**

**LIFE/FORM® ADVANCED SANITARY CPR DOG**  
In addition to practice in assisted breathing, practice the appropriate rate, pressure, and position of cardiac massage, and coordinate the respiratory cardiovascular functions. For more advanced training, an IV can be established as well as placement of an endotracheal tube. The trainer is connected to a small box that shows a green light when the correct ventilation pressure is applied, a blue light indicates correct position for cardiac massage, a white light indicates correct pressures, and an audible beep with red light indicates excessive pressure. A visible chest rise appears when correct ventilations are applied. Provides each person with their own sanitary muzzle and nosepiece with a one-way valve. Muzzles may be disinfected and reused, while the nosepieces and lower airways are disposable. Minimizes the chances of cross-contamination and reduces cleanup. Includes 10 disposable nosepieces, 3 disposable lower airways, endotracheal tube, lubricant, 12 cc syringe, towels, butterfly set, artificial blood, 2 IV bags, control box with AC adapter, 9V battery, and soft carry case. 5-year warranty. Allow extra delivery time. **EXCLUDED FROM DISCOUNTS**  
**LF01155 — \$2,028.00**

**LIFE/FORM® BASIC SANITARY CPR DOG**  
Same as the Advanced Sanitary CPR Dog listed above, but without electronic monitoring or IV capabilities. Includes soft carrying case, 6 muzzles, 10 nosepieces, and 3 lower disposable airways. Allow extra delivery time. **EXCLUDED FROM DISCOUNTS**  
**LF01156 — \$1,254.00**  
**Disposable Nosepieces.** Pack of 10. **LF01164 — \$166.00**  
**Replacement Muzzles.** Pack of 6. **LF01157 — \$118.00**  
**Disposable Lower Airway.** Pack of 10. **LF01158 — \$173.00**



**LIFE/FORM® CANINE IV LEG**  
A fully functional canine IV leg trainer at an affordable price. Represents the left foreleg of a medium-sized dog in the sternal recumbent position with 2 interchangeable sleeves — normal fur for routine blood draws and a “shaved” area for IV catheter insertion. Replaceable vein system demonstrates actual blood flashback. Great for bandaging and restraint/assistance practice as well. Ideal for veterinary schools and vet tech programs. Portable storage box with built-in IV pole, blood powder, syringe, IV catheter, and 2 fluid supply bags. **EXCLUDED FROM DISCOUNTS**  
**LF01016 — \$285.00**  
**Replacement Sleeves.** Includes 1 sleeve with normal fur and 1 “shaved” sleeve. Set of 2. **LF01016(A) — \$69.00**  
**IV Catheters.** Set of 3. **LF01016(B) — \$19.00**  
**Replacement Vein Tubing.** Set of 3. **LF01016(C) — \$42.00**

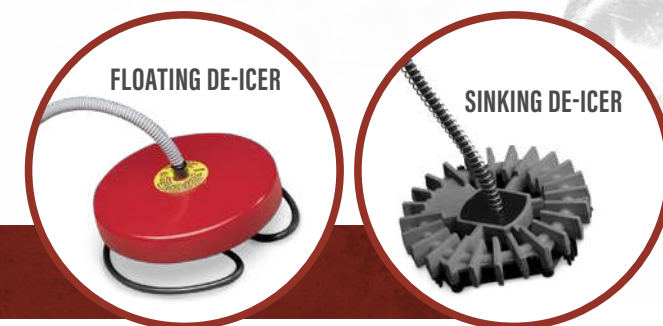




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# ARE YOUR WATERERS READY FOR WINTER?

Add a de-icer to your stock tanks so that they're ready to stand up to brutal weather and thirsty animals. Now you can cross prepping waterers off your winterizing checklist.



BROWSE DE-ICERS ON PAGE 155

# Raising the bar in cattle care

Easily lift and assist any size cow with just one adjustment.



See the details on p. 113