# CentralStar HERD-MANAGEMENT SOLUTIONS



We bring the highest level of service and commitment to your cows, your farm and your goals.



# WHAT'S INSIDE?

CALF CARE PRODUCTS

Calf coats
Direct-fed microbials
Electrolytes
Housing
Milk replacers and supplements
Sanitizer
Environmental and management events

4-9

COW CARE PRODUCTS

Animal assistance Direct-fed microbials Forage inoculant Fresh-cow care Udder health

10-15

DIAGNOSTIC TESTS & SUPPLIES

Testing supplies, kits and shippers Testing options

16-18

REPRO TOOLS Breeding supplies Heat detection Nitrogen tanks

19-21

PEST CONTROL

Dewormer Fly and insect control

22-23

EAR TAGS RFID tags RFID stick readers Swine tags Taggers and accessories Visual tags

24-25

SUSTAINABILITY SOLUTIONS

SOP™ lagoon SOP™ activator

26

ORGANIC PRODUCTS



MAY BE USED IN ORGANIC PRODUCTION. VERIFY WITH CERTIFIER PRIOR TO USE.



LOOKFOR THE ICON!









### How to Scan QR Codes:

- 1. Open camera app
- 2. Point camera to QR code
- 3. Click the link

To order, contact your CentralStar team member, call 800.631.3510, or scan the QR code to order online at www.mycentralstar.com.

Prices and availability are subject to change without notice.

Due to nationwide supply shortages not all products are available in all areas. To confirm price, availability, and shipping costs, contact your local CentralStar team member or call 800.631.3510.

Products listed are merely distributed by CentralStar Cooperative and manufactured or processed by the company indicated. We make no warranties of any kind whatsoever, expressed or implied, which extend beyond all warranties of merchantability and fitness for a particular purpose. In the unlikely event that any of the products or services shall be proven to be defective, damages from their use shall exclude consequential damages and be limited to their purchase price. Complete product and trademark information available at https://mycentralstar.com/legal-notices/.

# CALF PRODUCTS



SCOURING DAIRY CALVES TREATED WITH ANTIBIOTICS

GAVE 1,086 LBS. LESS MILK

DURING THEIR FIRST LACTATION.

See page 5p for ways to help prevent scours.



CALF SCOURS PROTOCOL



CALF DEVELOPMENT PROTOCOL

### Which supplement is right for your calves?

When a calf is born there is an immediate and constant barrage of environmental challenges trying to "destroy" your newest and most promising genetic investment. How much support do your calves need? Below are solutions to address the light (
), moderate (
), and heavy (
) challenges your calves face.

BIRTH TO 500 LBS.	At Birth	Immune Support	Appetite Enhancer	Dehydration	Transition	Scours	Stress (Vaccination, dehorning, transport, etc.)	Respiratory Support	Beef on Dairy	Show Animals
AccelAIRate		•						•		
Accel Energy (cold weather support)							•			
Accel RS			•	•		•				
BioCycle® Showcase										•
Calf Accelyte				•						
CONVERT™ Day One Calf Gel / Bolus	•	•	•		•				•	
CONVERT™ BIG Calf	•	•	•		•				•	
FerAppease®					•				•	•
First 21							•			
First Day Formula Colostrum Replacer	•									
First Day Formula Colostrum Replacer Deluxe	•	•								
First Day Formula Colostrum Supplement	•									
Tri-Mic WD			•		•		•			
Tri-Purify						•				
Tri-Start Jr			•		•		•			
Tri-Start Jr Plus	•	•	•		•				•	

<sup>1</sup>Dairy Calf Management Practices Impact Future Production, University of Kentucky, Donna M. Amaral-Phillips.



### **Calf Direct-Fed Microbials**

### **CONVERT™ Day One Gel ⊘**

Bolsters the health of newborn and preweaned calves by inoculating the digestive tract and restricting pathogen growth. Contains 5 billion live and stable CFUs of



beneficial bacteria, and egg-based specialized proteins, which assist in the reduction of scour-causing organisms by altering their growth environment. Antibiotic free. Use at birth, when calves are lethargic, not eating or doing poorly, at transport/pen movement, and when under environmental stress. Blue-color gel turns manure green, ensuring treatment compliance.

AC9057 - Single Dose 15cc \$8.00 AC9006 - Multi Dose 60cc \$18.50 AC9041 - Day One Calf Bolus 40ct \$190.00

### **CONVERT™ BIG Calf Powder ⊘**

Assists calves from birth through weaning while consuming milk or milk replacer. Stable beneficial bacteria (1 billion CFU's) and egg-based specialized



proteins improve nutrient absorption, restrict pathogen growth, enhance immune function, and stimulate starter-feed intake. Field-trial shows improved daily feed intake and lung scores. Mix 5g with colostrum or milk for the same benefits as 15ml of CONVERT Gel.

AC9058 - 12.5lb pail \$565.00 AC9059 - 2.2lb jar \$129.00

### TRI-START JR - Maroon Bolus @

A direct-fed microbial bolus that benefits both the rumen and intestinal tract of calves. Each capsule has a guaranteed viable (live) count of 20 billion colony forming



units (CFU) of naturally occurring microorganisms. Helps to stimulate feed intake during periods of change. Contains beneficial microbes to jump-start a calf's stalled digestive system.

A0052 - 36ct \$52.00

### TRI-MIC WD 🕖



A probiotic source to improve digestive microflora. Promotes the early establishment of beneficial digestive bacteria necessary for proper digestion of milk and grain. Aids in rumen development when transitioning to



a dry feed. Reduces the occurrence and severity of scours and helps re-establish digestive bacteria following antibiotic treatment, illness, or environmental stress.

A0048 - 500gram \$24.00 A0049 - 5kg Pail \$195.00

### TRI-START JR.+ Paste 🚳



Helps stimulate feed intake during periods of change. Contains live, viable, naturally occurring microorganisms, a short-chain



fatty acid, egg protein (IgY), vitamins, and selenium. Enhances the environment of the digestive tract to activate the naturally occurring beneficial digestive microbes.

A0622 - Single Dose 15cc	\$8.95
A0623 - Multi Dose 60cc	\$22.00
A0651 - Multi Dose Tube 300 cc	\$85.00
A0551 - 300 cc Paste Tube Applicator	\$30.00

### Select BioCycle® Showcase <a> </a>



Improves digestion and immune function, helping to protect dairy and beef animals of all ages against environmental challenges. A concentrated form of BioCycle, Showcase is supplemented with increased



enzyme levels and Bacillus, which is shown to improve gut health, growth, and hair growth. Showcase keeps animals healthy and eating during times of stress from transportation to changes in feed and water. Feed to young animals to get an aggressive appetite to improve gain and hay intakes. Feed to show animals at shows to mitigate stress from change in environment and water.

AC9300 - 12.5lb \$190.00 - 10+ Pails \$176.50

### **Broad-spectrum pathogen coverage**

CONVERT and Tri-Start JR+ offer broad-spectrum coverage for the most common calf pathogens.





### Milk Replacers & Supplements

### First Day Formula®

Fortified with essential vitamins and chelated trace minerals. High-quality whey protein concentrate from select Grade A dairies, free of organisms causing colostrum-transmissible diseases, like Johne's disease. Each dose contains 150 lgG. CR Deluxe includes First Defense Technology™.

A0043 - CR (replacer or supplement) 500gram A0044 - CR (replacer or supplement) 20lb A0045 - CR Deluxe (replacer) 500gram A0046 - CR Deluxe (replacer) 20lb A0047 - CS (supplement) 200gram



\$45.00 \$745.00 \$52.00 \$875.00 \$17.00

### First 21™

Bridge the immunity gap during the first three weeks of life. Available as a complete milk replacer or nutritional supplement. Incorporates three natural sources of antibodies (plasma, egg yolk, and colostrum) to promote gut health and immune support.

A0080 - Complete Milk Replacer 50lb

A0083 - Supplement 20lb



\$96.75 \$225.00

### **Misco Digital Refractometer**

Test colostrum to determine quality and IgG scale. Measures colostrum quality and serum total protein.

A0667 - Colostrum quality/serum total protein

A0668 - Colostrum quality, serum total protein, milk solids %, or hydration



\$570.00

\$665.00

### **Accel Energy**

An energy supplement containing 60% fat and 7% protein with added vitamins and minerals. Add to milk replacer or whole milk during cold weather stress. Provides readily utilizable energy via spray-dried animal fat to increase the calorie content in a calf's diet.



\$58.00

A0035 - 25lb

### **Accel Milk Fortifier Medicated**

Supplements pasteurized waste milk deficiencies of essential nutrients which support immune development, calf health, and growth.

A0066 - 25lb \$159.50

### Milk Replacers

### **Stocked Milk Replacer**

Unique manufacturing technology results in a 100% instantized product. Powder combines with minimal mixing. Mos\* is included in each formulation at research levels to promote gut and intestinal health. Chelated (organic) trace minerals are used to support growth and immune function. Tri-Mic WD in all formulas, optimizes feed intakes and utilization, digestive health, and immune system response. Bovatec® is available for control of coccidiosis.

Orders less than a pallet limited to Wisconsin. Pallet orders available anywhere. Discounts available on pallet, multi-pallet, and semi-load orders. Call for pricing. Shipping charges apply, call for quote. \*Mos increases appetite, normalizes gut microflora, and reinforces the digestive tract.

					Guarai	nteed Anal	lysis	Chelated		
Code	Description	Protein Source	% Protein	% Fat	IU/lb Vit A	IU/lb Vit D <sub>3</sub>	IU/lb Vit E	Mineral/Selenium	AccelAlRate	Medication
A0061	APL Calf Accelerator*	APL	26	20	30,000	5,000	200	YES	NO	Bovatec®-43 grams/ton
A0069	Performance Plus	All-Milk	20	20	30,000	10,000	150	YES	NO	NO
A0070	Performance Plus	All-Milk	20	20	30,000	10,000	150	YES	NO	Bovatec®-90 grams/ton
A0071	Performance Plus*	All-Milk	20	20	30,000	10,000	150	YES	NO	Bovatec®-90 grams/ton
A0074	Hi-Performance Plus	All-Milk	22	20	30,000	10,000	200	YES	NO	NO
A0075	Hi-Performance Plus	All-Milk	22	20	30,000	10,000	200	YES	NO	Bovatec®-90 grams/ton
A0076	Hi-Performance Plus*	All-Milk	22	20	30,000	10,000	200	YES	NO	Bovatec®-90 grams/ton
A0078	Calf Accelerator	APL	26	20	30,000	5,000	200	YES	NO	Bovatec®-43 grams/ton
A0079	28-26 Jersey	All-Milk	28	26	20,000	2,500	100	YES	NO	Bovatec®-72 grams/ton
A0090	22-20 AM DFM MOS AIR BOV	AM	22	20	30,000	10,000	200	YES	YES	Lasalocid 72g/ton
A0091	22-20 AN DFM MOS AIR Fly BOV*	AM	22	20	30,000	10,000	200	YES	YES	Lasalocid 72g/ton
A0092	24-20 APL DFM MOS AIR BOV	APL	24	20	30,000	10,000	200	YES	YES	Lasalocid 72g/ton
A0093	24-20 APL DFM MOS AIR Fly BOV*	APL	24	20	30,000	10,000	200	YES	YES	Lasalocid 72g/ton
	*Formulated with Clarifly® seasonally and may require volume purchase									

\*Formulated with Clarifly® seasonally and may require volume purchase



### BOVINE ACCELLYTE II

**WHAT IT DOES:** Promotes feed and water intake which helps restore electrolyte functions and water retention to prevent losses due to dehydration.

VINE ACCELLYTE II

**HOW TO USE:** Mix in feed or water and feed continuously through the summer or start two days before extreme heat and continue as long as needed.



**RESEARCH:** In a 2023 Texas trial, cows given Bovine Accellyte II required two fewer services per conception compared to the prior summer.

フフ

"I've seen a lot of success with **Bovine Accellyte II**, because it helps cows stay hydrated, feel better, and keep producing, even during heat stress. The electrolytes and dextrose give cows the energy they need to bounce back from heat stress, freshening, or even a tough haul. The osmolytes help keep cells hydrated. When cows feel better, they perform better, and that's exactly what producers I work with notice. That's why they keep using it year after year."

Bob Brock, Area Sales Manager

### **Environmental & Management Events**

### **Calf Accellyte**

A complete electrolyte. Contains potassium and sodium to replenish electrolytes and restore proper fluid balance. Blended with glycine and citrate to improve electrolyte and water absorption. Dextrose provides nutritional energy



and buffers to help minimize metabolic acidosis. Easily mixes with water.

A0053 - 3.6lb	\$31.00
A0054 - 10lb	\$75.00
A0055 - 25lb	\$169.50



of live, viable, naturally occurring microorganisms. Accel RS works to restore, re-energize, recolonize, and rehydrate calves.

A0596 - Single Dose 4oz

A0599 - 6lb A0597 - 25lb



\$4.50 \$70.00 \$172.00

### **ACCELAIRATE**

Alleviates symptoms of respiratory disease and supports recovery from respiratory distress. Helps reduce irritation of the throat and suppresses coughing, stimulates appetite, and drives feed intake. Contains Mannon-Oligosaccharides (MOS), Beta-Glucans, and Nucleotides to protect against secondary pathogens.

A0040 - 4.4lb A0041 - 22lb



\$72.50 \$299.50

### Tri-Purify - Blue Bolus

Dietary feed supplement that provides pure, natural essential oils that have a strong antibacterial effect to improve the natural immune system. Combines live, naturally occurring microorganisms to enhance the environment of the digestive tract. Contains nutraceuticals, intestinal bacteria, and live cell yeast; to reduce the severity and occurrence of scours.

A0051 - 36ct \$92.00

### **Calf Coats**

### **Select Sires Calf Coat**

Provides additional protection to calves during cold weather. Made with our exclusive insulation which wicks moisture away from the calf and provides superior thermal capabilities. The outer shell is made of high-strength polyester with a urethane back, making it water resistant. Machine



washable and durable against the harshest conditions. A smooth, quilted liner provides warmth and comfort for the calf. Small fits Jersey calves and large fits Holstein calves. Embroidered with the Select Sires Logo.

A0605 - Single Insulated Small \$37.00 A0606 - Single Insulated Large \$37.00

### **Sanitizer**

### **EfferSan™ Sanitizer ②**

Sanitizes 99.999% bacteria in 60 seconds. Registered on the Disinfectants for Emerging Viral Pathogens (EVPs) list, can be used against SARS-CoV-2, SARS-CoV-2 – Delta Strain, monkeypox, and respiratory



syncytial virus (RSV) when used in accordance with the directions as a disinfectant on hard, non-porous surfaces. Offers 100 times more killing power and effectiveness, while being safer than bleach.

 \$270 - 24ct
 \$24.58

 \$271 - 100ct
 \$77.00

 \$272 - Spray Bottle
 \$6.67

## ON-FARM TRIAL

# ACCELAIRATE

On-farm results show AccelAIRate reduced pneumonia treatments, lowered antibiotic use, and improved average daily gain. Feed through milk, milk replacer, water, or dry feed for 10 days before and during stress events to support respiratory health



Commercial dairy in South Dakota

3,100

Jersey and BxD Calves

Reduced pneumonia treatments by more than

**72.6**%

Increased average daily gain by up to

0.55 lb



### **Calf Housing**

### Calf-Tel® "O" Series (Outdoor)

Hutches designed specifically for outdoor use. No matter the size or scope of your operation, Calf-Tel products can help improve labor efficiency, calf health, and overall profitability.

A0625 - Deluxe II Left Opening 24|74 A0626 - Deluxe II Right Opening 24|74 \$405.00 \$405.00

16% more interior space than competitive models and one-of-a-kind customizable ventilation. All plastic extrusion base makes hutches virtually impervious to destruction. Deluxe hutch parts box includes: feed door, double inside pail holder, two black pails and fence attachment hardware.

L-rod sold separately. **A0372 - XXL Left Opening 35|85** 

\$475.00

A0373 - XXL Right Opening 35|85

\$475.00





A0625 - Deluxe II

A0372 - XXL

### Calf-Tel® "I" Series (Indoor)

Easy to configure indoor calf pens to make the most of your space and time. Ultra-durable with a wide range of available accessories. Effective and economical solution for raising calves indoors

coordinate coration for raiding carred macord.	
A0376 - Calf Pen Back Airmax	\$113.00
A0377 - Calf Pen Back Vented	\$98.00
A0380 - Calf Pen Front Generation 3	\$223.00
A0382 - Calf Pen Side 4.5' & 2 rods	\$118.00
A0383 - Calf Pen Side 6' & 2 rods	\$148.00
A0384 - Calf Pen Side 7' & 2 rods	\$153.00





A0376 - Calf Pen Back Airmax

A0377 - Calf Pen Back Vented



### **Group Housing**

A0375 - MultiMax Calf Hutch Assembled

\$975.00

A0710 - Mammoth Unassembled Hutch

\$2,675.00

Ten square meters of total footprint, more space for calf growth and easier management. Rear and side openings provide continuous and adjustable air flow. Measures 2.1m tall x 3m wide x 3.5m long. Non-stocked item. Call for freight cost.

12-16 Slanted or VFront Mammoth Group Yard System

\$2,199.00



### Calf-Tel® Accessories

A0393 - Bottle Holder Hutch mounted 2qt	\$16.50
A0394 - Bottle Holder Hutch mounted 3qt wide	\$22.00
A0395 - Bottle Holder Hutch mounted 3qt & 4qt	\$19.00
A0398 - Bottle Holder Pen mounted 2qt	\$12.00
A0399 - Bottle Holder Pen mounted 3qt & 4qt	\$14.00
A0400 - Bottle/Nipple Set 2qt	\$12.00
A0401 - Bottle/Nipple Set 3qt	\$12.50
A0402 - Bottle/Nipple Set 4qt	\$14.50
A0407 - Calf Nipple Super	\$4.50
A0409 - Calf Pail Black	\$6.00
A0410 - Calf Pail White	\$6.00
A0417 - L-Rod Pen	\$10.44
A0433 - L-Rod Hutch	\$5.00
A0437 - Pail Holder Fence Mounted Double	\$13.00
A0438 - Pail Holder Fence Mounted Single	\$10.00
A0590 - Bottle Chute Fence mounted 2qt	\$17.00
A0598 - Calf Pail Fence Mounted Black	\$11.00
A0600 - Calf Pail Fence Mounted Gray	\$11.00
A0628 - Bottle Chute Pen mounted 2qt	\$13.00





# COW PRODUCTS



# ONE CASE OF SUBCLINICAL KETOSIS CAN \$289 IN LOST MILK, REPRO CHALLENGES, AND CULLING RISK.

<sup>1</sup>https://dellait.com/dairy-research-center/reports/economicimpact-of-fresh-cow-diseases-on-farm-profitability/

### Which supplement is right for your cows?

Healthy cows produce more high-quality milk, breed back easier, require less time and labor to manage, and live longer. How much support does your herd need? Below are solutions to address the light  $(\bullet)$ , moderate  $(\bullet)$ , and heavy  $(\bullet)$  challenges your herd faces.

	Fresh Cow Support	Immune System Support	Mycotoxin Challenges	Erratic Manure	Ketosis Symptoms	Poor Feed Intake	Aborts, Early Embryonic Death	Low Production	High SCC	Poor Reproductive Performance	Inflammation	Beef	Show Animal Stress
Accel Fortifier 1:50		•								•			
BioCycle®										•			
BioCycle Plus®		•				•				•			
BioFresh® Microbial Bolus	•	•							•			•	
BioFresh® Microbial Gel	•	•							•			•	
Bovikalc®	•												
Bovine Accellyte II													
Cow Start™ Complete	•	•				•					•		
DTX™			•	•		•	•	•				•	
FerAppease®	•											•	•
Freshen Up®	•	•										•	
Tri-Mic 1:50	•	•				•						•	
Tri-Start Bolus	•	•				•						•	•



### **Direct-Fed Microbials**

### Select DTX™ <

Research-tested and field-proven effective for protecting cattle against mycotoxin challenges. Proprietary cell wall deficient bacteria provide broad-range protection against mycotoxins. Use when symptoms are present and feed tests show problems. Available in concentrate for easy mixing at feed mills.



AC9004 - 45lb	\$275.00
- 10 to 35 boxes	\$265.00
- 36+ boxes	\$250.00
AC9009 - Concentrate 50lb	\$381.00
- 40+ bags	\$285.00
•	·

### Select BioCvcle® Plus O

Boosts immune function, protects against changing weather and environmental conditions, and defends against mycotoxins. Producers feeding BioCycle Plus report reduced SCC, improved reproductive performance, increased digestive capacity, and improved general health. Use when metabolic diseases and toxin



challenges are present, and during feed changes and palatability issues. Available in concentrate for easy mixing at feed mills.

AC9005 - 45lb	\$360.00
- 10 to 35 boxes	\$345.00
- 36+ boxes	\$335.00
AC9027 - Concentrate 50lb	\$489.00
- 10 to 39 bags	\$474.00
- 40+ bags	\$434.00
AC9199 - Concentrate Non-GMO 50lb	\$499.00
- 40+ bags	\$439.00

### Select BioCvcle®

Aids in boosting immune function, digestion, and fights environmental challenges. Producers report increased estrus expression and improved feed intake. Contains two types of L-form Lactobacillus, two sources of yeast, four digestive enzymes, microbial sugars, and specialized proteins. Recommended when performance



improvements are needed in reproduction and overall herd health. Not appropriate when mold-related challenges are the major problem.

The appropriate when more related enumeriges are the major	problem.
AC9003 - 45lb	\$219.00
- 10 to 35 boxes	\$204.00
- 36+ boxes	\$194.00
AC9091 - Concentrate 50lb	\$447.00
- 20+ bags	\$382.00
•	

### Tri-Mic 1:50 @

Improves rumen function and health by establishing beneficial microbial populations which helps crowd out pathogens. Beneficial microbes improve feed utilization, reestablishes beneficial microbial populations, following treatment or stressors.

A0000 - 4lb \$32.25 A0001 - 20lb \$149.00

### BIOFRESH® Microbial Bolus

Gets fresh cows on feed faster, reducing potential metabolic disorders and DAs. Proven effective in reducing SCC by boosting immune function of cows affected by environmental challenges. Supplies critical vitamins and minerals, beneficial bacteria, and egg-based specialized proteins.





\$130.00 \$888.00

### BIOFRESH® Microbial Gel

Enhances feed intake, improves ruminal == fermentation, and supports immune function



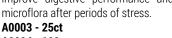
for dairy and beef cattle of all ages. Use at weaning, receiving, transporting, calving, off-feed, or during low-intake periods. Supplies beneficial bacteria, egg-based specialized proteins, and critical vitamins and minerals. 5ml for calves under 500lbs., 10ml for calves 500lbs. - adult cattle.

AC11020 - Tube 280cc	\$58.00
AC11022 - Gel Applicator Gun	\$50.00

### TRI-START 🕖



Encapsulated, highly concentrated source of rumenspecific microbes. Enhances the rumen environment to improve digestive performance and repopulate rumen microflora after periods of stress.





\$56.00 \$190.00

A0004 - 100ct

### Accel MXL 600

Combats feed quality challenges and enhances liver function. MXL 600 is a combination of beneficial micronutrients designed to assist animal performance during periods of feed quality challenges. Use when toxins are present.

A0008 - 50lb



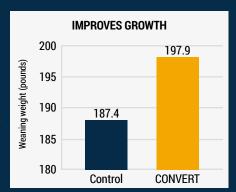
\$88.00

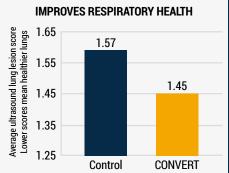
# CONVERT BIG Calf Powder

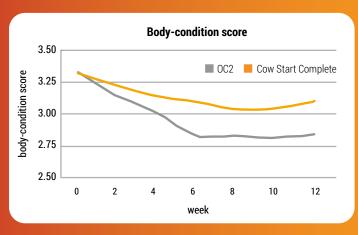
**Keep calves healthier from** birth to weaning



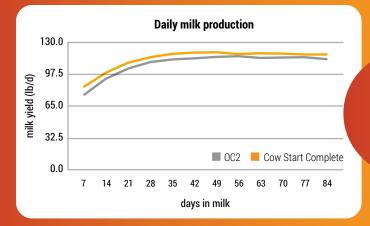
Scan QR code to view the CONVERT BIG Calf case study results.



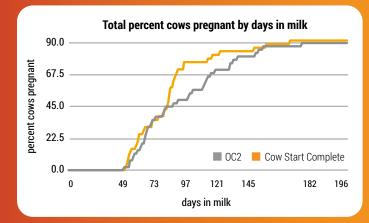




Cows given Cow Start Complete maintained body condition better, which supports higher-peak milk, improved fertility, and stronger overall health.



Cows given Cow Start Complete ruminated longer in the first two weeks after calving, suggesting better feed intake; maintained body condition better; and produced more milk per day in the first 100 days compared to cows receiving the other calcium treatment.



Cows given Cow Start Complete got pregnant earlier and more often than those on the other calcium treatment. Fewer were enrolled in Ovsynch, and more conceived on their first service, leading to better overall reproductive outcomes.



### RESEARCH STUDY:

# The effect of Cow Start™ Complete on milk production and reproduction

HOW IT WORKED: Dairy cows face multiple sources of inflammation around calving, and recent research suggests reducing that inflammation may boost milk production and reproduction more than calcium supplementation, alone. To explore this, a 2024−2025 study on a well-managed 5,000-cow dairy in the United Kingdom followed 140 third-lactation-and-older Holsteins from calving to 200 days in milk. All cows received a negative-DCAD pre-fresh diet, then at calving were assigned to one of two oral-calcium treatments: Farm-O-San Reviva plus a Bovikalc® bolus (OC2) or Cow Start™ Complete boluses. Groups were balanced for parity and prior milk yield, and managed identically throughout the study.

**RESULTS:** Giving cows Cow Start Complete boluses at calving helped them better manage inflammation, leading to fewer health issues, greater rumination, and less bodycondition loss compared to cows receiving other calcium products. Improved inflammation control likely allowed cows to use nutrients more efficiently, resulting in higher milk production and better reproductive outcomes. The

seaweed-based minerals in Cow Start Complete naturally reduce inflammation while its slowrelease design ensures steady nutrient absorption during this critical period.







### **Teat Dips**

### UDDERgold® 5-Star

Barrier film, improves environmental mastitis protection. Controls a broad spectrum of bacteria including Mycoplasma species. Glycerin and emollient polymers help improve skin health.



\$285.72 \$2,301.88

UM3661/UM3662 - Base & Activator Set 5gal UM3665/UM3666 - Base & Activator Set 55gal

### 4XLA®

Designed as a pre and post dip with excellent teatconditioning power. 4XLA is the ideal dip if you want the killing power of UDDERgold 5-Star (15-20 seconds) but don't need the barrier. Proven effective against



environmental and contagious organisms, including Staph aureus. Replenishes the cow's natural defenses for fighting mastitis. Very effective against hyperkeratosis.

UM3617/UM3618 - Base & Activator Set 5gal	\$196.12
UM3722/UM3723 - Base & Activator Set 14.5gal	\$474.62
UM3621/UM3622 - Base & Activator Set 55gal	\$1,598.28

### **AZTEC GOLD™** <a>∅</a>

Increased mastitis protection. Offers long-lasting color marking, up to five hours. Thicker viscosity dip clings to teats longer, exposing them to the extended killing power.

UM3678/UM3679 - Base & Activator Set 55gal



\$1,657.14

### EfferCept SG®

An alternative to lodine that is cost effective at any milk price. This tablet contains all the great properties of EfferCept and SoftGuard in one tablet. Proven effective as a pre/post dip or spray. Kills 99.99% of



E. coli, Staph aureus and other mastitis-causing organisms on contact. Conditions, soothes, and protects udder and teats. NPE free. Mix two tablets to one gallon of water.

S291 - Makes 10 Gallons 20ct	\$54.30
S289 - Makes 55 Gallons 110ct	\$207.66
S288 - Makes 275 Gallons 550ct	\$843.00

### EfferCept®

Economical pre/post dip. Maximizes killing power while eliminating corrosive effects found in iodine-based products. Pill form mixes with water to be a spray or pre-dip wash. Mix four tablets to one gallon of water.



S240 - Makes 12.5 Gallons 50ct \$66.80 S242 - Makes 55 Gallons 220ct \$234.00 S280 - Makes 385 Gallons 20lb \$1,127.00 S290 - Makes 667 Gallons 1,000ct \$1,229.10 S293 - Foam Additive 1gal \$28.00 S294 - Foam Additive 55gal \$975.00

### **Fresh-Cow Care**

### Bovikalc®

Calcium supplement provides fast, extended support for blood calcium levels in freshening dairy cows. Bolus disintegrates guickly in the rumen. Calcium chloride is available immediately and calcium sulfate provides sustained release.

BV005 - 48ct \$396.97

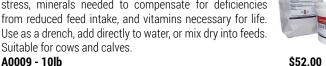
### Bovine Accellyte II 🕖

Contains specialized electrolytes to replace those lost during stress, minerals needed to compensate for deficiencies from reduced feed intake, and vitamins necessary for life. Use as a drench, add directly to water, or mix dry into feeds.

Administer immediately after calving to reduce the incidence of

combination of multiple sources of calcium, electrolytes and energy. Use as a drench or offer free choice. Contains four different sources of calcium to give cows the boost they need

right away, as well as a timed-release of calcium.

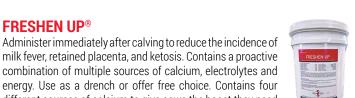


A0009 - 10lb A0010 - 25lb

A0012 - 10lb

A0013 - 35lb

FRESHEN UP®



\$85.00

\$59.00 \$190.00

### **Cow Start™ Complete** <a>∅</a>

Provides key nutrients and factors to resolve calvingassociated inflammation. Research indicates enhanced health, production, and reproduction. Also replaces Ca sources provided at freshening. Provide two Cow Start Complete boluses at calving. Box of 24 boluses treats 12 cows

AC11050 - 24ct Box AC11051 - Applicator \$213.87 \$54.00

### FerAppease®

A synthetic analogue of the Maternal Bovine Appeasing Substance (MBAS). Use every time animals are exposed to stressors, where suppression of threat perception is desirable (i.e. castration, dehorning, weaning, vaccination, parturition, breeding, freshening, etc.) Topical administration to the nuchal skin and the skin above the muzzle.

AC2849 - 300mL AC2850 - Applicator



\$90.00 \$48.00



### **Udder Health**

### Milk Check Teat Wipes

One-step udder preparation wipes are durable, yet gentle. Contain lanolin and glycerin to keep skin soft, preventing teat chapping. Contains germicide to effectively kill bacteria and reduce cross-contamination.

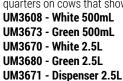


\$34.96

UM3708 - Refill

### UDDERMINT® (2)

Approved Organic. Improves overall udder health by reducing udder edema. All-natural, antibiotic free, peppermint oil based liniment. Dairy producers report improvements in udder quality and pliability within 12 to 24 hours. For use after freshening, or apply to guarters on cows that show signs of mastitis.





\$39.42

\$39.73

### T-HEXX® DRY™

Apply pre-calving. External teat sealant creates physical barrier to aid in mastitis prevention. Triclosan-free.

HEXXB132 - 1qt



\$78.12

### Lockout™

A non-antibiotic intramammary teat sealant for use through the dry period to aid in the prevention of infections. Visible blue, smooth paste composed of 60% bismuth sub-nitrate forms a malleable



barrier in the teat canal. Creates a sterile barrier against harmful bacteria between the udder and environment. Single-dose syringes with short tip designed for hygienic insertion.

UM3694 - 144ct

\$363.78

### VetOne® BoviBlock™

Non-antibiotic teat sealant aids in preventing new intramammary infections. Off-white, smooth paste composed of 65% bismuth sub-nitrate to create



a malleable barrier in the teat canal. Creates sterile blockage against harmful bacteria. Unique two-stage tip, allowing full or partial insertion into the teat orifice.

UM3702 - 144ct

\$338.71

### **Bovikalc® Drv**

An oral mineral supplement that helps maintain cow comfort by reducing milk



production at dry off. Contains calcium sulfate and ammonium chloride and reduces milk production by inducing a slight and temporary metabolic acidosis.

BV057 - 48ct \$411.21

Look for the "closeout" banner online!







COW CARE	
PC3 Porta - BHB Milk Ketone 100 Test Vial	\$75.00
AC9055 - Calf Tuggs™	\$10.00
ACDBEDX - Easy Drencher	\$12.70
UM3630 - Teat Dip Cups (Green Upright)	\$13.75
UM3634 - Teat Dip Cups (Blue Side Dip)	\$7.05
UM3635 - Teat Dip Cups (Yellow Side Dip)	\$7.05
ACTD1001 - Thrifty Dipper Complete	\$85.00
ACTD1002 - Thrifty Dipper Wiper	\$26.00
ACTD1003 - Thrifty Dipper Snap Ring	\$3.00
ACTD1004 - Thrifty Dipper Upright Bottle	\$3.00
ACTD1005 - Thrifty Dipper Handle	\$8.00
ACTD1006 - Thrifty Dipper Cleaning Tool	\$2.00
IN9092 - UTREsept	\$58.00

AC11007 - Day One Calf Bolus 10ct	\$53.00
AC11009 - CONVERT™ Calving Season Bolus (10ct)	\$33.00
UM3605 - Woolover® w/o Buckle Medium	\$24.00
UM3603 - Woolover® w/o Buckle Large	\$24.00
UM3683 - Woolover® w/ Buckle Medium	\$28.00
UM3684 - Woolover® w/ Buckle Large	\$28.00
UM3667 - Woolover® Ultra w/o Buckle Small	\$32.00
UM3668 - Woolover® Ultra w/o Buckle Medium	\$32.00
UM3669 - Woolover® Ultra w/o Buckle Large	\$32.00
UM3686 - Woolover® Ultra Lite w/ Buckle Medium	\$35.00
UM3690 - Woolover® Ultra w/ Buckle Large	\$30.00

Woolover styles are available through your local representative and online. All other closeout items are available online only.



### **Animal Assistance**

### **Vink Cowlift**

Helps save cows that can't stand. With proper use it will not cause bruising around the hipbone and is easily adjusted.

S255 - Complete Cowlift **S278 - Handle Replacement S279 - Screw Replacement** 



\$186.00 \$24.64 \$62.53

### **Vink Double Action Calf Puller**

Makes difficult deliveries easy. Double-action puller with unique rump frame encircles the rear of the cow, making it impossible for the frame to slip away. Constructed of stainless steel to ensure long, trouble-free service

oraninede ereer to eneare rong, areasie nice eer rie	0.
S028 - Complete Calf Puller	\$465.50
S026 - Rope Replacement	\$15.04
S029 - Mechanism Replacement	\$190.73
S030 - Bar Replacement	\$150.00
S031 - Yolk Replacement	\$100.00

### **Cow Cuff Links**

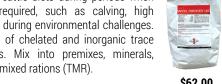
Fastens to a cows ankle with a positive lock buckle system - no velcro. Constructed of 6,000 pounds of tensile strength nylon webbing with stainless steel components. Therapeutic benefits, as well as anti-kicking protection.

AC9026 - Non-Adjustable \$30.00 AC9047 - Adjustable \$33.50

### **Minerals**

### Accel Fortifier 1:50

Add to beef and dairy cattle diets during periods when added nutrients are required, such as calving, high production, breeding or during environmental challenges. A concentrated source of chelated and inorganic trace minerals and vitamins. Mix into premixes, minerals, supplements, and total mixed rations (TMR). A0019 - 25lb

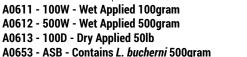


\$62.00

### Forage Inoculant

### **Accel Ensile+**

Assists with expediting pH decline to stabilize feed, reducing dry-matter losses and improving digestibility and forage quality. Contains three enzymes which aid in fiber break down and increase nutrient absorption. One of the most economical products on the market.





\$90.00

\$399.00 \$102.50 \$502.00

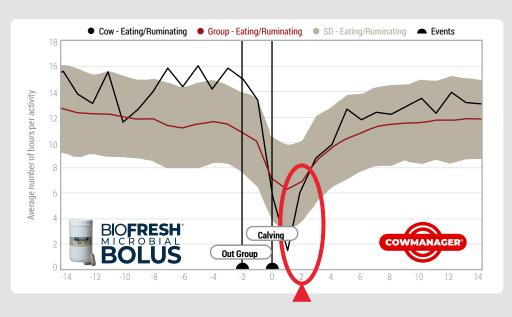


# Data shows FASTER recovery

It's no secret fresh cows who eat and ruminate well are more likely to avoid trouble. Dairies using CowManager® consistently see that cows given BioFresh® Microbial Bolus at calving bounce back faster, return to normal eating and rumination sooner, and avoid common fresh-cow issues like displaced abomasum (DA), ketosis, and mastitis.

How does it work? BioFresh delivers the right inoculation that includes a targeted mix of beneficial bacteria, yeast, immunesupporting compounds, and enzymes, exactly when cows need it most. Together, these ingredients support gut health, rumen function, and immune response during critical times.

Whether you rely on real-time data or hands-on observation, BioFresh offers a proactive way to support recovery, boost resilience, and protect performance right from the start.



Cows given BioFresh Microbial Bolus at calving return quickly to normal eating and rumination patterns and exceed the group average.





# DIAGNOSTIC TESTS AND SUPPLIES



SELECTING ONLY A2/A2 SIRES AND TESTING YOUR HERD CAN RESULT IN A *100% A2/A2 CALF CROP* IN JUST TWO GENERATIONS.



Reference: Ng-Kwai-Hang, K.F. (2008). Review: Genetic markers of milk and milk products. Livestock Science, 116(1-3), 295-306.

### **Testing Supplies, Kits, & Shippers**

\$12 minimum order for collection supplies, kits, and shippers. Mix and match to reach the minimum order.

### **Small Sample Collection Kits** (10 samples)

Holds up to 10 samples. Kit includes sample submission form, collection supplies, and prepaid shipping box addressed to laboratory. Testing billed separately.

ABK5 - Small Milk Sample Collection Kit \*expedited shipping ABK16 - Small Milk Sample Collection Kit \*standard shipping ABK13 - Small Blood Sample Collection Kit \*expedited shipping ABK15 - Small Blood Sample Collection Kit \*standard shipping



### Sample Collection Supplies

ABK6 - Milk Vial with preservative \$1.15 ABK7 - Blood Tube and Needle (Red-top: Pregnancy, Johne's, Leukosis, \$1.40 BVD, Neospora. Purple-top: A1/A2, STRATA-G BLV PCR) ABK8 - Fecal (vial and glove) \$1.15 ABK9 - Tissue (vial) \$1.15

supplies, and UPS-paid shipping box addressed to laboratory. Testing billed separately.

ABK11 - Large Blood/Ear Notch Collection Kit (Holds up to 100 blood/tissue samples)

Includes sample submission form, collection

ABK12 - Large Milk/Fecal Collection Kit

**Large Sample Collection Kits** 

(Holds up to 60 milk/fecal samples) \*For larger sample submissions call 800.631.3510.



\$125.00

\$100.00

### Ear Notcher

Small size V cut ear notcher is made of lightweight diecast aluminum construction. Heat-treated cutting plate for long life and clean cuts. Individually hand-fitted and tested for precision tolerance. Use to collect ear notch for BVD or A2 testing.



ID3207 - V SM 5/16 7000

\$37.02

### DON'T LET HIDDEN THREATS FADE HER PUTENTIAL



You've invested in genetics, colostrum, and nutrition, now secure her future with strategic disease screening. Catch issues early, protect her health, and maximize lifetime

productivity for lasting performance. Make her legacy one of lasting performance by including a plan that doesn't stop at good.



Strategies	Good	Better	Best
HHP\$ focused genetic selection	$\checkmark$	<b>√</b>	<b>✓</b>
Colostrum supplement & replacer		$\checkmark$	$\checkmark$
Nutritional supplements		$\checkmark$	$\checkmark$
Robust vaccination protocol		$\checkmark$	$\checkmark$
BVD PCR ear notch at birth			$\checkmark$
Johne's & BLV ELISA on milk samples			$\checkmark$
Mastitis PCR on milk samples			$\checkmark$





# TEST OPTIONS

Diagnostic tests		Code	Sample type	Turnaround	Price/sample
A1/A2	PCR	ABT50, ABT51, ABT52	Milk, Whole Blood, Tissue	10 days	\$13.75
BLV	PCR	ABT35	Whole Blood	10 days	\$12.00
Leukosis	ELISA	ABT7, ABT8	Serum, Milk	5 days	\$6.50
	ELISA	ABT11, ABT12, ABT14	Milk, Serum, Tissue	5 days	\$6.50
BVD	PCR	ABT38	Milk, Tissue, Whole Blood	10 days	\$40.00
DVD	Pooled PCR (Min 10)	ABT22	Tissue, Whole Blood	10 days	\$3.70
	Pooled PCR (Min 20)	ABT44	Milk	10 days	\$2.50
	ELISA	ABT1, ABT2	Milk, Serum	5 days	\$6.50
Johne's	PCR	ABT3	Fecal	10 days	\$40.00
	Pooled PCR (Min 3)	ABT43	Fecal	10 days	\$12.00
	Complete 16	ABT32	Milk	2 days	\$40.00
	Pooled Complete 16 (Min 3)	ABT41	Milk	2 days	\$12.00
	Contagious 3	ABT47	Milk	2 days	\$30.00
Mastitis	Pooled Contagious 3 (Min 3)	ABT48	Milk	2 days	\$8.00
Mastitis	Single Mastitis (Mycoplasma bovis, Strep ag., Staph aureus, Strep uberis, Prototheca)	ABT53, ABT54, ABT55, ABT56, ABT61	Milk	2 days	\$14.25
	Pooled Single Mastitis (Min 3) (Mycoplasma bovis, Strep ag., Staph aureus, Strep uberis, Prototheca)	ABT57, ABT58, ABT59, ABT60, ABT62	Milk	2 days	\$4.25
<b>Neospora</b> (Available through Wisc. Lab only.)	ELISA	ABT24	Serum	5 days	\$6.50
Dramanav	ELISA	ABT26	Serum, Whole Blood	1 day	\$4.00
Pregnancy	ELISA	ABT27	Milk	1 day	\$4.75
Component analysis					
	MUN		Milk	1 day	\$1.50
	SCC/Components		Milk	1 day	\$1.50
	MUN/SCC/Components		Milk	1 day	\$3.00

### GETTING RESULTS

► Submit samples direct to CentralStar laboratories or through routine DHI testing. \$10 submission fee for diagnostic tests.



CentralStar Michigan Lab 1163 Comet Lane Suite 100 Grand Ledge, MI 48837 CentralStar Wisconsin Lab Complex 200 East Kelso Road Kaukauna, WI 54130

- ➤ Results available online, by email, or by mail, and can be uploaded into herd manawgement software. Some are available by text.
- ▶ Johne's Analysis DHI report 420 organizes test results, production, SCC, and reproduction data for quick analysis to take management actions.

# EFFECTIVELY MANAGING MASTITIS PATHOGENS

Each case of clinical mastitis in the first 30 days of lactation can cost \$444. Taking steps to prevent it, including using Mastitis PCR testing protects your herd and bottom line.

Mastitis organism	Which test to use	Infection source, control, and keys to prevention
Mycoplasma bovis	Complete 16 Contagious 3 Single	Highly contagious; spreads quickly during milking Source: infected udder, respiratory tract, or urogenital tract Control identification assume the asymptomatic; no effective treatment
Mycoplasma species	Complete 16	Control: identification, segregation, and removal of infected animals; routine screening, especially incoming purchased animals
Staphylococcus aureus	Complete 16 Contagious 3 Single	<ul> <li>Staph aureus is highly contagious and spreads easily during milking</li> <li>Source: skin of animals and humans (all species of Staph); milk from infected cows (specifically Staph aureus)</li> </ul>
Staphylococcus species	Complete 16	Challenges: abscesses in the udder reduce antibiotic effectiveness; Beta-lactamase gene detection indicates resistance to beta-lactam antibiotics
Staphylococcal beta-lactamase gene	Complete 16	<ul> <li>Control of non-aureus Staph: broad-spectrum antibiotics</li> <li>Control of Staph aureus: identification, segregation, and removal of infected animals; routine screening, especially incoming purchased animals</li> </ul>
Streptococcus agalactiae	Complete 16 Contagious 3 Single	<ul> <li>Highly contagious; spreads quickly during milking</li> <li>Source: infected udders</li> <li>Challenges: infected cows may be asymptomatic</li> <li>Control: identify and treat infected animals; routine screening, especially incoming purchased animals</li> </ul>
Streptococcus uberis	Complete 16 Single	Environmental mastitis organisms     Source: manure and contaminated bedding
Streptococcus dysgalactiae	Complete 16	Control: maintain a clean, dry environment; follow proper milking procedures, including use of adequate pre- and post-dip products; use blanket dry cow therapy and teat sealants to cure existing
Enterococcus species	Complete 16	infections and prevent new ones
Escherichia coli	Complete 16	Environmental mastitis organisms     Source: contaminated bedding, manure, and improperly prepared recycled sand     Challenges: intramammary antibiotics are generally not recommended
Klebsiella species	Complete 16	Control: maintain clean, dry bedding; follow proper milking procedures
Prototheca species	Complete 16 Single	<ul> <li>Environmental mastitis organism; can also spread from infected cows</li> <li>Source: contaminated water sources and damp environments; infected cows</li> <li>Challenges: no effective treatment, infections typically become chronic</li> <li>Control: prevent cattle from accessing wet areas; maintain proper teat sanitation during intramammary teat infusions; identify and remove infected cows</li> </ul>
Pseudomonas aeruginosa	Complete 16	<ul> <li>Environmental mastitis organism</li> <li>Source: contaminated water and wet bedding materials</li> <li>Challenges: infections do not respond well to antibiotic therapy, typically become chronic; some strains are resistant to certain sanitizers</li> <li>Control: reduce water use in the milking parlor and access to wet areas; use inorganic bedding such as sand, identify and remove infected cows</li> </ul>
Yeast	Complete 16	<ul> <li>Environmental mastitis organisms</li> <li>Source: contaminated intramammary infusion or damaged teat ends (e.g. hyperkeratosis)</li> <li>Challenges: antibiotic therapy is not recommended; spontaneous cure is slow (2 months), but possible</li> <li>Control: use clean intramammary infusion techniques; follow proper milking procedures; maintain teat health and milking equipment; remove chronically infected animals</li> </ul>
Trueperella pyogenes	Complete 16	<ul> <li>Environmental mastitis organism</li> <li>Source: injured or damaged teats and fly contact</li> <li>Challenges: prognosis after infection is established is poor</li> <li>Control: implement an effective fly control program; remove infected cows</li> </ul>
Corynebacterium bovis	Complete 16	<ul> <li>Contagious mastitis pathogen that colonizes in the teat canal; spreads easily during milking</li> <li>Source: infected cows</li> <li>Challenges: antibiotic therapy during lactation is not recommended</li> <li>Control: effective post-milking disinfectants; dry cow therapy is very effective in eliminating infections</li> </ul>

The information provided is summarized from various university publications. Treatment of any of these pathogens should be done under the advisement of a veterinarian.

# REPRODUCTION TOOLS







# EVERY DAY OPEN AFTER THE VOLUNTARY WAITING PERIOD COSTS \$3-\$5 PER COW.

<sup>1</sup>https://pubs.nmsu.edu/\_d/D302/index.html

### **Reproduction Tools**

### **D-Y Herd Monitor**

AC2802 - Monitor ACB2803 - Blue 30/sheet ACG2803 - Green 30/sheet ACP2803 - Pink 30/sheet ACR2803 - Red 30/sheet ACY2803 - Yellow 30/sheet



### A.I. Training

SS100 - A.I. Training Manual	\$25.00
SS145 - Supplemental A.I. Training Manual Spanish	\$3.00
SS170 - Basic A.I. Training DVD English	\$20.00
SS171 - Basic A.I. Training DVD Spanish	\$20.00
SS180 - Basic A.I. Training Video English	\$20.00
SS183 - Basic A.I. Training Video Spanish	\$20.00
SS184 - Heat Detection & Timed A.I. Video English	\$15.00
SS185 - Heat Detection & Timed A.I. Video Spanish	\$15.00

### CowManager®

24/7 monitoring of your herd's reproduction. Ear tag transmits data every 15-minutes. Fertility alerts accurately identify which cows are in heat, provides precise information on optimal time to breed and identifies anovular and cystic cows. Nutrition and health information also available.



See www.mycentralstar.com/cowmanager to learn more.





### CowManager® - The best fertility monitor for your herd!

LIFETIME MONITORING. MAXIMIZE PERFORMANCE.

The CowManager fertility module takes the guess work out of your reproduction program. Ear sensors track heat intensity and stage so you know exactly when to breed. The result? Improved pregnancy rates, reduced calving intervals, and more efficient use of labor and semen.

- 24/7 monitoring, identifying heats, non-cycling cows, and even potential abortions.
- Alerts pinpoint the best time to inseminate for optimal results.
- Use fertility history to decide when to use conventional or sexed semen.
- Heat graphs and fertility reports make it easy to spot irregular cycles and transition cow challenges.



From your phone or PC, CowManager gives you real-time data on every animal in your herd, so you never miss a breeding opportunity.

SCAN NOW

Discover more at www.mycentralstar.com/cowmanager, including details on CowManager's Health, Transition, Nutrition, and Youngstock features.

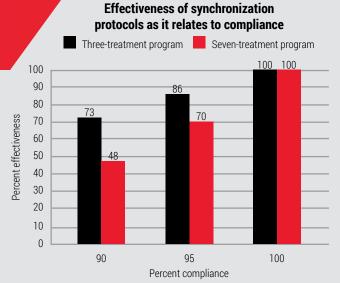


### **Heat Detection**

Kamar® HeatMount™ Detectors		Estrotect™	
ID3220 - 25ct w/Adhesive	\$33.00	IDB3229 - Blue 50ct	\$89.50
ID3230 - 100ct w/Adhesive	\$132.00	IDG3229 - Green 50ct	\$89.50
ID3223 - Adhesive	\$5.00	IDO3229 - Orange 50ct	\$89.50
	·	IDP3229 - Pink 50ct	\$89.50
Twist-Stik		IDY3229 - Yellow 50ct	\$89.50
IDB61029 - Blue 12ct	\$26.40	ID3232 - Rubber Brush	\$6.75
IDG61029 - Green 12ct	\$26.40 \$26.40		•
ID061029 - Green 12ct ID061029 - Orange 12ct	\$26.40 \$26.40	<b>Detect-Her™ Tailpaint</b>	
IDR61029 - Red 12 ct	\$26.40 \$26.40	DTB202 - Blue Wipe-on 6ct	\$52.50
IDG61030 - Green Fluorescent 12ct		<u>-</u>	•
IDP61030 - Green Fluorescent 12ct	\$30.24 \$30.24	DTMG202 - Mint Green Wipe-on 6ct	\$52.50 \$52.50
IDP61030 - Pliik Fluorescent 12ct	<b>\$30.24</b>	DTO202 - Orange Wipe-on 6ct	*
- 1 11 - v		DTP202 - Pink Wipe-on 6ct	\$52.50
Paintstik™		DTR202 - Red Wipe-on 6ct	\$52.50
IDB61024 - Blue 12ct	\$13.80	DTY202 - Yellow Wipe-on 6ct	\$52.50
IDG61024 - Green 12ct	\$13.80	DTDUGGO DI A LU 'LITO I	Å101 40
IDO61024 - Orange 12ct	\$13.80	DTBU208 - Blue Aerosol Upright 12ct	\$101.40
IDR61024 - Red 12ct	\$13.80	DTGU208 - Green Aerosol Upright 12ct	\$101.40
		DTOU208 - Orange Aerosol Upright 12ct	\$101.40
IDG61012 - Fluorescent Green 12ct	\$13.92	DTPU208 - Pink Aerosol Upright 12ct	\$101.40
IDO61012 - Fluorescent Orange 12ct	\$13.92	DTRU208 - Red Aerosol Upright 12ct	\$101.40
IDP61012 - Fluorescent Pink 12ct	\$13.92	DTYU208 - Yellow Aerosol Upright 12ct	\$101.40
IDY61012 - Florescent Yellow 12ct	\$13.92		
Eazi-Breed™ CIDR®			
AC21274 - 10ct	\$180.50		
AC21285 - Individual Applicator	\$18.33		
	ų. o. o		

## ONE MISSED SHOT! WHY 95% ISN'T GOOD ENOUGH

Compliance with a synchronization protocol is key to achieving optimal breeding results. Timely shots ensure ovulation aligns with insemination, boosting conception rates. Even with 95% correct administration in a seven-treatment protocol like double-Ovsynch, only 70% of cows are properly synchronized by timed-A.I. Best practices include using an 18-gauge, 1.5 inch needle, proper intramuscular injection, correct dosing, drug storage, and accurate animal ID. Missing steps or delaying shots lowers outcomes, requires more interventions, which raises costs and impacts herd peformance.





### **Breeding Supplies**

### A.I. Gun Warmer

Heated, temperature controlled carrying case keeps guns at correct temperature. Includes: 12V rechargeable battery, belt/shoulder strap, 100V AC wall adapter, 12V DC auto adapter, and spare liner. One-year warranty.

IN8011 - Gun Warmer Kit	\$394.16
IN8012 - 14.4V Rechargeable Battery	\$79.32
IN8013 - 100V AC Wall Adapter	\$16.26
IN8014 - Auto Adapter- Gun Warmer	\$12.25

### **Breeding Sheaths**

Diccuing offication	
IN3004 - Individual Sheath - Split 50pk	\$8.87
INP3012 - Pushed Sheath Univ N/S Blue 50pk	\$5.45
INNP3012 - Non-Pushed Sheath Univ N/S Blue 50pk	\$5.45
INP3016 - Pushed Green Indiv. 50/pkg	\$11.37
INNP3016 - Non-Pushed Green Indiv. 50/pkg	\$11.37
INP3017 - Pushed Sheath Blue 50/pkg	\$15.54
INNP3017 - Non-Pushed Sheath Blue 50/pkg	\$15.54
IN3024 - San Sheath Covers 100 roll	\$16.15
INP3025 - Pushed Sheath Green 50/pkg	\$4.67
INNP3025 - Non-Pushed Sheath Green 50/pkg	\$4.67
IN3028 - HD Plastic Sheath Covers 25pk	\$9.88
IN3054 - Metallic Tip Sheath-ET 5pk	\$13.88
IN3056 - Alpha Sheath 50pk	\$10.27
IN3013 - Infuzee w/ Connectors 25pk	\$8.25
IN3031 - Infuzee Pipettes 25pk	\$8.26

### **Insemination Guns**

IN3005 - French Straw Gun IN3006 - Spare Lock Ring	14	\$30.00 \$1.05
IN3011 - Spiral Straw Gun 1/2cc	1	\$39.22
IN3042 - Spiral Straw Gun 1/4cc	<b>**</b>	\$37.00
IN3053 - ET Breeding Gun	•	\$130.54
IN8010 - Deep Horn Breeding Gun		\$48.00

### **Kombicolor Max Insemination Guns**

Use with 1/4 and 1/2cc straws.

INW3045 - White	14	\$45.71
INY3045 - Yellow	1/1/40	\$45.71
ING3045 - Green		\$45.71
INB3045 - Blue	<b>60 40 0</b>	\$45.71
INR3045 - Red		\$45.71
IN3063 - Plunger - Max Insemination Gun		\$17.42
<b>IN3057 - Plunger</b> (For prior version gun)		\$17.42

### **Breeding Gloves**

IN3040 - Buff Poly Sleeve 100 box	\$22.31
IN3049 - Red Breeder Sleeve 100 box	\$19.02

### **Cito Thaw Cup**

A sensitive and accurate thermostatic control ensures a constant temperature range of 95°- 98° F. Indicator light shows when the unit is ready to use, and when it is maintaining the water bath at the proper temperature. Includes AC adapter and DC adapter.



\$258.64

### **Breeding Kit**

Plastic breeding box to hold breeding supplies. Comes with thermos bottle (blue box includes Cito dual purpose thaw cup), Kombicolor gun, universal sheaths, gloves, bottle of Lubogel, tweezers, scissors, and thaw monitor.

IN3015 - Breeding Kit Plastic	\$123.84
IN3023 - Plastic Box Only	\$29.36
IN3051 - Breeding Kit Blue	\$375.73
IN3050 - Riue Roy Only	\$102.55



### **Breeding Extras**

IN3029 - Safe-Lube gallon	\$15.13
IN3027 - Safe-Lube 8oz	\$3.85
IN3021 - Thermos Bottle	\$28.46
IN3026 - Thaw Monitor	\$4.00
IN3032 - Tank Measure Stick	\$8.95
IN3041 - Digital Thermometer	\$21.14
IN3020 - Dial Thermometer	\$16.97
IN3007 - Scissors	\$13.11
IN3009 - Forceps - stainless steel	\$12.10
IN3008 - Fiberglass Tweezer 1/2cc	\$3.10
IN3043 - Fiberglass Tweezer 1/4cc	\$4.40
IN3037 - CITO Straw Cutter	\$6.20
IN3061 - Tork Dairy Towel single pack (16 packs in a case)	\$2.25
ID3224 - Barn Desk	\$64.09



### **Nitrogen Tanks**

Description	No. of Canisters	Capacity 1/2cc Straws	Hold Time (weeks)	Neck Opening (inches)	2 year Warranty	Weight Filled (pounds)
Millennium XC20	6	720	16	21/4	Yes	60
MVE XC34/18 Tank	6	2,100	16	3 1/2	Yes	96
ICB20	6	660	16	21/4	Yes	63
ICB34	6	2,100	16	3 1/2	Yes	94

Call for pricing.

# PEST CONTROL



### FLIES CAN TRANSMIT MORE THAN

# 65 DISEASES, INCLUDING MASTITIS.

https://championanimalhealth.us/blogs/news/blind-quarters-all-you-need-to-know? srsltid=AfmBOorcTe6fqA-GVBEpE58uE5iJ4nVEx8l\_KkABFimJ9vKfjqBopZd5

### Dewormer

### **DECTOMAX®** Pour-On

Treats gastrointestinal roundworms, lungworms, eyeworms, grubs, sucking lice, and mange mites. Meat and milk withholding.

AC2826 - 5L

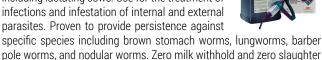


\$383.38

CYDECTIN

### **CYDECTIN® Pour-On**

Pour-on formula approved for beef and dairy cattle, including lactating cows. Use for the treatment of



withdrawal. Contains weather-proof formula with purple dye to easily identify which animals have been treated. AC2822 - 5L \$398.62 AC2823 - 10L \$791.20

AC2844 - 2.5L \$351.37

### EpriGard®

Internal and external parasite control for beef and dairy cattle. Kills 39 species and stages of internal and external parasites. Controls adult worms and fourth-stage larvae, lice, mange mites, grubs, and horn flies. Active ingredient: Eprinomectin at 5g/L.

No milk or meat withholding. Ask about volume discounts!

AC2848 - 5L AC2852 -10L



### Ivomec® Eprinex®

Parasite control that kills 39 species and stages of internal and external parasites. Controls adult worms and fourth-stage larvae, lice, mange mites, grubs, and horn flies. No milk withholding or meat withdrawal (when used according to label).



MR30254 - 10L MR19499 - 20L



\$280.38

\$382.46 \$738.88

\$1,340.57

### <u>Application quick reference</u>

Product	Parlor/ Milkhouse	Barns	Animals	Hutches	Fogger	Use
CyLence Pour-On			<b>✓</b>			Apply to topline every 3 weeks; rotate with UltraBoss
UltraBoss Pour-On			<b>✓</b>			Apply to topline every 2 weeks; rotate with CyLence
Prozap Insectrin CS		<b>√</b>	<b>✓</b>		<b>√</b>	Apply as pour-on or in back rubbers, effective on dairy, beef, horses, or sheep
Cattle Armor Pour-On			<b>√</b>			Apply to topline, oil-based, reapply every 2 weeks
Prozap Insectrin 1% Pour-On Xtra	<b>√</b>	<b>√</b>	<b>✓</b>	<b>√</b>	<b>√</b>	Apply with a mister or fogger; mix with ULD-BP-100 Premise when fogging
CyLence Ultra Premise Spray	<b>√</b>	<b>√</b>		<b>√</b>		Broad spectrum for indoor or outdoor use
Cyzmic CS Insecticide Premise	✓	<b>√</b>		<b>√</b>		General use, quick knockdown, up to 90-days residual
EverGreen Premise	<b>√</b>	<b>√</b>	<b>✓</b>	<b>√</b>		Pyrethrins degrade quickly in sunlight; kills 140+ pests
UDL BP-100 Premise	<b>√</b>	<b>√</b>	<b>✓</b>	<b>√</b>	<b>√</b>	To kill stable flies, apply 2 fl oz/adult animal
Neporex		<b>√</b>		<b>√</b>		For under bedding in hutches or around perimeter of manure piles and packs
QuickBayt Fly Bait		$\checkmark$		<b>√</b>		Fresh product attracts more flies; for house flies, not stable flies
Sticky Roll		<b>√</b>				Indoor and outdoor; over headlocks or tie stalls
Prozap Dy-Fly Bomb	<b>√</b>	<b>√</b>	<b>✓</b>	<b>√</b>		Instant knock-down/kill of flying and crawling insects



**SCAN TO** ORDER **DEWORMER** 



### Fly & Insect Control

### **ULTRABoss® Pour-On**

Controls lice, flies, mosquitoes, and ticks on cattle. Effective horn fly control up to eight weeks. No pre-slaughter withdrawal or milk withhold. 3 mL per 100 lbs., body weight.

AC2814 - 1qt

AC2851 - 5L



\$45.98 \$232.31

### **Prozap® Insectrin CS**

Controls lice and flies on lactating and non-lactating dairy and beef cattle of all ages. Apply as a pour-on, mist spray, or in back rubber.

AC2839 - 2.5gal

AC2840 - 1gal



\$215.00 \$100.00

### CyLence® Pour-On

Ready-to-use pour-on insecticide for the control of horn flies, face flies, and biting and sucking lice on beef and dairy cattle. Use anytime of the year. No mixing and no withdrawal requirements.

AC2825 - 6pt



\$141.66

### **Cattle Armor Pour-On**

Ready to use pour-on to kill horn flies, face flies, house flies, stable flies, keds, lice, mosquitoes and many more. Works as a pour-on, mist, or diluted in back rubbers. Use on beef cattle, lactating and non-lactating dairy cattle, calves, and sheep.



UM3716 - 55gal

\$1,454.85

### Prozap® Insectrin 1% Pour-On Xtra

Ready-to-use pour-on, spray, or mist, 1% Permethrin and 1% PBO, delivers fast knockdown of lice, horn flies, face flies, stable flies, horse flies, house flies, mosquitoes, and black

flies. Safe for lactating and non-lactating cattle, calves, and sheep. Mix with mineral oil for backrubber or use as a spot spray or premise spray in and around barns.

AC2854 - 1gal AC2855 - 2.5gal \$34.32 \$85.33

### CyLence® Ultra Premise Spray

Broad-spectrum control of crawling, flying, and wood-infesting insects, in and around animal housing, warehouses, and processing and packing plants. Provides effective knockdown and residual control of over 60 different pests.



\$71.63

### AC2845 - 240ML

### Cyzmic® CS Insecticide Premise

Encapsulated premise insecticide for use around livestock buildings. Kills flies, ants, spiders, crickets, moths, ticks, mosquitoes, fleas, beetles, bugs, and more. Provides broadspectrum control, lasts up to 90 days on a surface, mixes with water.



AC2846 - 1qt

\$97.32

### **ULD® BP-100 Premise**

A versatile fly control that is safe for humans and livestock. Kills flies with extremely low risk of resistance. Application will leave a residue to control flies for up to seven days.

UM3703 - 1gal UM3706 - 55gal



\$112.15 \$3,315.54

### **Evergreen® Pyrethrum Concentrate Premise**

Water based, broad-spectrum insecticide that can be used in OMRI-certified organic facilities. Contains pyrethrum, a botanical insecticide. Use indoors in food and nonfood areas, and in and around livestock facilities. Rapidly degrades in sunlight with no residual activity. Offers fast, effective control of insects including ants and cockroaches.

AC2819 - Organic 1gal AC2838 - 60-6 Fly Spray 1gal



\$594.11 \$396.26

### Prozap® Dy-Fly®

Instant kill of flies, mosquitoes, gnats, moths, ants, hornets, wasps, spiders, roaches, and more. Use on beef and dairy cattle, hogs, and horses. Used in stables, milk rooms, poultry houses, and homes.

AC2853 - 25 oz



\$31.37

### Neporex®

Controls stable flies and mosquitoes. Granular formulation larvicide, suitable for scattering or dissolving for pouring and spraying. Can be used as a spot treatment where larvae are found developing. NOT allowed for application directly to livestock, feed or water for consumption, as residues may occur.

Apply to calf hutches, slatted floors, cattle pens, and spillage areas. AC2837 - 11lb

\$141.82

NEPOREX

### QuickBayt® Fly Bait

Controls nuisance flies in as little as 60 seconds. Ready to use indoors or around livestock production facilities, poultry houses, and horse stables as scatter bait or in bait stations. Contains Bitrex®, a bitter substance to help prevent accidental ingestion by children and animals.

AC2835 - 5lb AC2836 - 35lb \*limited supply



\$59.76 \$242.76

### Sticky Roll®

Use in dairy barns, horse stables, and animal premises of all kinds. USDA testing shows it captures 92% of available flies. No baits, toxins, or pheromones are necessary. May be used in organic production. Verify with your certifier before use.

AC2832 - Hardware AC2833 - 1,000ft Roll



\$79.24 \$46.80

# EAR TAGS



## RFID-EID TAGS ARE THE OFFICIAL TAG REQUIRED FOR CATTLE, AIDING IN DISEASE TRACKING AND DIGITAL RECORD-KEEPING.



### **Global Tags**

### Allflex

Patented laser-ink marking with matching laseretched number into tag surface guarantees permanent identification for the life of the animal. Special order with custom options available. Most sizes available in blue, green, orange, pink, purple,



red, white, and yellow. Pictured is a maxi female with large male.

Large Female 3" x 2.25" numbered/blank
Maxi Female 4" x 3" numbered/blank
Super Maxi Female 4.625" x 3" numbered/blank
Large Male 2 ¾ x 2 ¼ numbered/blank
Small Male (round button)

\$0.91/\$0.68 \$1.00/\$0.87 \$1.36/\$0.98 \$0.88/\$0.75 \$0.42

### Z-Tags

With their unique flip-out applicator and no-snag design, Z-tags are a premium ear tag. Available in one-piece and two-piece tags. Available in yellow, purple, black, pink, blue, red, green, orange, and white.



One Piece Calf 2.5" x 3.25" numbered/blank One Piece Cow 3" x 4.5" numbered/blank Two Piece Calf 2.5" x 3.25" numbered/blank Two Piece Cow 3" x 4.5" numbered/blank

1.05/\$0.82 \$1.45/\$1.30 \$1.05/\$0.82 \$1.36/\$1.12

### A-Tags

One-piece tag, self-piercing, pinhole tip for faster healing and reduced animal stress. Highly versatile designed for long-term identification and cost effective. Patented laser-ink permanent marking, custom marking and numbering available by special order. Available in blue, green, orange, pink, purple, red, white, and yellow.



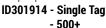
One Piece Calf 2.4" x 3.3" One Piece Cow 4.5" x 3.0" \$1.11/\$0.98 \$1.35/\$1.22

### Central**Star** 800.631.3510 • www.mycentralstar.com

### **RFID Tags**

### Allflex Official USDA '840' Ultra EID Tag

The USDA Premise ID number is required to purchase. The tag is ISO Compliant. Extended small male allows a deeper placement in the ear.





\$2.90 \$2.75

### Allflex USDA '840' Visual Tags

Tags are laser-ink printed and available with custom letters and numbers. The USDA Premise ID number is required. EID button only available in white. Visual tags are available



in single or double sets, maxi-female with choice of large or small male: yellow, white, blue, green, orange, red, and pink. Also available with tissue sample units.

### **Allflex All-in-One**

Available in Half Duplex (HDX) and Full Duplex (FDX). Combines Allflex Maxi or Large visual tag with EID component. Tamperproof Ultra Cap™ provides ultimate security and retention. Available in yellow and white.



Blank or numbered, with or w/o text

\$5.11

### CowManager®

### **CowManager Blank RFID Tag**

The blank RFID tags are a perfect way to put in CowManager® ear tags, or use with regular RFID tags. Female tags are reusable.



\$2.00 \$0.58

**Female** 

Male



### **Swine Tags**

### 840 Visual Swine Tag

Premise number required to order (available through your local Department of Agriculture). Tags offer a tamper-proof button and visual panel stud. Available in white and yellow.

Button \$1.25

### FDX Lightweight Swine Ultra 840 EID

Packaged with small global males, FDX technology utilizes the lightweight EID tag. The USDA Premise ID number (issued by the Department of Agriculture in your state) is required to purchase. Apply with the Allflex universal total tagger or Allflex Ultra Retract-O-Matic for EID tags. Packaged in sets of 20 buttons per package.

Individual Tag \$2.47

### **ProfitSOURCE®**

### **ProfitSOURCE**

ProfitSOURCE is Select Sires' beef-on-dairy program designed to add value and boost returns. Using superior beef genetics, calf care protocols, and lifetime traceability, ProfitSOURCE delivers healthier calves, improved carcass performance, and strong market demand. Backed by real data and supply chain access, it's a proven way to turn genetics into greater profit. Calves that meet all program standards are easily recognized with ProfitSOURCE tags, signaling quality and value to buyers.



### **Tagging Accessories**

### **Taggers and Accessories**

- 33	
Allflex Ultra Retract-O-Matic for EID/CowManager Tags	\$82.87
Allflex UTT3S Tag Applicator for all 2-piece tags/electronic tags	\$46.90
Allflex Retract-O-Matic for visual/global	\$68.54
Z-Tag Applicator for one-piece tags	\$25.00
Destron Fearing Universal Tag Applicator	\$29.11
Allflex A-Tag Applicator	\$27.83
Allflex Total Tagger Applicator	\$27.38
Allflex Total Tag Applicator Pin	\$3.45
Destron Fearing Pin for ProGrip Universal Applicator	\$3.43
Remover Knife	\$4.33
Z-Marking Pen	\$7.25
Allflex Marking Pen with 3 Tips	\$6.49
Y-Tex Tagger Plus/Combination	\$25.00

### **EID Stick Readers**

Allflex AWR300 EID Stick Reader	\$1,485.10
Allflex AWR300 EID Stick Reader Accessories	\$76.60
Tru-Test XRS2 EID Stick Reader	\$2,100.00
Tru-Test SRS2 EID Stick Reader	\$1,550.00

### **Flagger Leg Bands**

ACO2804 - Orange 10pk	\$15.30
ACR2804 - Red 10pk	\$15.30
ACY2804 - Yellow 10pk	\$15.30

# **Profitsource**

# Your SOURCE for SUPERIOR FERTILITY, MARKET FLEXIBILITY, and MORE TOTAL REVENUE.

Calf buyers want animals that are thrifty, healthy, and ready to perform. The ProfitSOURCE® program supports that goal with proven genetics, practical management guidelines, and the right products to help calves start strong from day one. Here are three essentials every beef on dairy program should consider:

PIST DAY FORMULA CA DELLAR

Daily gain difference for a steer that was healthy as a calf versus treated for an illness as a calf.



Feed Conversion Ratio = 6:1
Daily Gain = 3 pounds



Feed Conversion Ratio = **7.5:1**Daily Gain = **2.5 pounds** 

The 0.5 pound-per-day difference in daily gain adds up across the feedyard: [0.5 lbs. reduced gain x 30 days = 15 pounds-per-head, per month] [15 lbs. x 100 steers = 1,500 pounds of gain lost = 1 finished steer]<sup>1</sup> as cited in Progressive Dairyman, June 29, 2018.

### First Day Formula Colostrum Replacer/Supplement

Calves with higher IgG transfer have lower mortality and fewer illness episodes.

### **Convert Gel and Tri-Start Gel**

Inoculate the digestive tract and restrict pathogen growth. Use at birth, when calves are off-feed, lethargic, at transport, or when under environmental stress.



SCAN TO LEARN MORE

# SUSTAINABILITY SOLUTIONS





### Lagoon Management

### **SOP™ Activator ②**

Promotes the activation of large quantities of dairycow and beef-cattle manure in lagoons and pits. This product is the first step in creating a bottom-line friendly byproduct and should be used in combination with SOP Lagoon for the first four weeks of product line application. A0770 - 20lb



\$390.00

SOP™ Lagoon <

The only natural manure product proven to reduce operational dairy and beef expenses while simultaneously suppressing the release of ammonia, greenhouse gas (GHG) emissions, and odors. SOP Lagoon metabolizes nutrients found in animal waste

by activating bio-valorization. This process fluidifies waste solids, reducing the need for agitation and bolstering its fertilization properties.

A0772 - 2kg \$155.00

Carbon Credits Rights Reservation: Resonant Technology Group reserves all rights, title and interest in carbon credits, insets and other related economic benefits or interests generated via use of SOP Inside products. SOP Lagoon is distributed by Select Sires Inc. through the wholly-owned sustainability company, Low Carbon Technologies, LLC. Buyer assumes all responsibility for use, storage and handling of SOP Lagoon. Low Carbon Technologies, LLC makes no claims or warranties, expressed or implied. \*The Low Carbon Technologies logo is a trademark of Low Carbon Technologies, LLC, Plain City, OH. Resonant Technology is a trademark of SOP S.r.l. SOP is a trademark of SOP S.r.l. Società Benefit.

# SHIPS FOR \$



### DRY-COW AND FRESH-COW CARE

BV005 - Bovikalc® (48ct)	\$396.97
BV057 - Bovikalc® Dry (48ct)	\$411.21
UM3694 - Lockout™ (144ct)	\$363.78
HEXXB132 - T-Hexx® Dry™ (1qt)	\$78.12
UM3702 - VetOne® BoviBlock™ (144ct)	\$338.71

omorez retone zorizioak (rriot)	<b>4000.11</b>
DEWORMER	
AC2822 - CYDECTIN® Pour-On (5L)	\$398.62
AC2823 - CYDECTIN® Pour-On (10L)	\$791.20
AC2844 - CYDECTIN® Pour-On (2.5L)	\$351.37
AC2826 - DECTOMAX® Pour-On (5L)	\$383.38
AC2848 - EpriGard® (5L)	\$248.40
AC2852 - EpriGard® (10L)	\$480.94
MR30252 - Ivomec® Eprinex® (2.5L)	\$280.38
MR30253 - Ivomec® Eprinex® (5L)	\$382.46
MR30254 - Ivomec® Eprinex® (10L)	\$738.88
MR19499 - Ivomec® Eprinex® (20L)	\$1,340.57
MR41350A - Ivomec® Pour-On (5L)	\$316.47



### ORDER TODAY!

Products listed above ship for \$5 regardless of quantity.

### FLY AND INSECT CONTROL

UM3716 - Cattle Armor Pour-On (55gal)	\$1,454.85
AC2825 - CyLence® Pour-On (6pt)	\$141.66
AC2845 - CyLence® Ultra Premise Spray (240ML)	\$71.63
AC2819 - Evergreen® Pyrethrum Conc. Premise (1gal)	\$594.11
AC2838 - Evergreen® 60-6 Fly Spray (1gal)	\$396.26
AC2843 - Intersect Gold II (2.5gal)	\$125.72
AC2837 - Neporex® (11lb)	\$141.82
AC2839 - Prozap® Insectrin CS (2.5gal)	\$215.00
AC2840 - Prozap® Insectrin CS (1gal)	\$100.00
AC2854 - Prozap® Insectrin 1% Pour-On Xtra (1gal)	\$34.32
AC2855 - Prozap® Insectrin 1% Pour-On Xtra (2.5gal)	\$85.33
AC2835 - QuickBayt® Fly Bait (5lb)	\$59.76
AC2836 - QuickBayt® Fly Bait (35lb) *limited supply	\$242.76
AC2832 - Sticky Roll® Hardware	\$79.24
AC2833 - Sticky Roll® 1,000ft Roll	\$46.80
UM3703 - ULD® BP-100 Premise (1gal)	\$112.15
UM3706 - ULD® BP-100 Premise (55gal)	\$3,315.54
AC2814 - ULTRABoss® Pour-On (1qt)	\$45.98
AC2813 - ULTRABoss® Pour-On (1gal)	\$159.83
AC2851 - ULTRABoss® Pour-On (5L)	\$232.31



800.631.3510 • www.mvcentralstar.com



Contains: 5 mg eprinomectin/mL

### Not for use in calves to be processed for veal.

### INTRODUCTION

EpriGard Pour-On delivers effective internal and external parasite control in one application. EpriGard Pour-On contains eprinomectin, a unique avermectin. Its broad-spectrum efficacy in a weatherproof formulation, margin of safety, zero slaughter withdrawal and zero milk discard, make it a convenient product for site control in beef and dairy cattle, including lactating dairy cattle

### MODE OF ACTION

Eprinomectin is a member of the macrocyclic lactone class of endectocides which have a unique mode of action. Compounds of the class bind selectively and with high affinity to glutamate-gated chloride ion channels which occur in invertebrate nerve and muscle cells.

This leads to an increase in the permeability of the cell membrane to chloride ions with hyperpolarization of the nerve or muscle cell, resulting in paralysis and death of the parasite. Compounds of this class may also interact with other ligand-gated chloride channels, such as those gated by the neurotransmitter gammaaminobutyric acid (GABA).

The margin of safety for compounds of this class is attributable to the fact that mammals do not have glutamate-gated chloride channels, the macrocyclic lactones have a low affinity for mammalian ligand-gated chloride channels and they do not readily cross the blood-brain brarrier.

### INDICATIONS

EpriGard (eprinomectin) Pour-On is indicated for the treatment and control of gastrointestinal roundworms (including inhibited Ostertagia ostertagi), lungworms, grubs, sucking and biting lice, chorioptic and sarcoptic mange mites, and horn flies in beef and dairy cattle of all ages, including lactating dairy

Applied at the recommended dose volume of 1 mL/10 kg (22 lb) body weight. to achieve a dose level of 500 mcg eprinomectin/kg body weight, EpriGar Pour-On is indicated for the effective treatment and control of the following

### Gastrointestinal Roundworms

naemonchus piacei	(adults and L4)
Ostertagia ostertagi	(adults and L4)
(including inhibited L4)	
Trichostrongylus axei	(adults and L4)
Trichostrongylus colubriformis	(adults and L4)
Trichostrongylus longispicularis	(adults only)
Cooperia oncophora	(adults and L4)
Cooperia punctata	(adults and L4)
Cooperia surnabada	(adults and L4)
Nematodirus helvetianus	(adults and L4)
Oesophagostomum radiatum	(adults and L4)
Bunostomum phlebotomum	(adults and L4)
Strongyloides papillosus	(adults only)
Trichuris spp.	(adults only)

### Lungworms

Dictyocaulus viviparus (adults and L4)

### Cattle Grubs (all parasitic stages)

Hvpoderma lineatum Hypoderma bovis

### Lice

Damalinia bovis Linoanathus vituli Haematopinus eurystemus Solenopotes capillatus

### Mange Mites

Sarcoptes scabiei

### Horn Flies

Haematohia irritans

### Persistent Activity

EpriGard (eprinomectin) Pour-On for Beef and Dairy Cattle has been proved to effectively control infections and to protect cattle from re-infection with Dictyocaulus viviparus for 21 days after treatment and Haematobia irritans for 7 days after treatment.

### **Use Conditions**

Varying weather conditions, including rainfall, do not affect the efficacy of EpriGard Pour-On.

### Management Considerations for Treatment of

### **External Parasites**

For best results EpriGard Pour-On should be applied to all cattle in the herd. Cattle introduced to the herd later should be treated prior to introduction. Consult your veterinarian or an entomologist for the most effective timing of applications for the control of external parasites

**Chorioptic Mange:** In clinical studies evaluating the efficacy of eprinomectin pour-on solution against chorioptic mange mites, mites were not recovered from skin scrapings taken 8 weeks after treatment; however, chronic skin lesions were still present on some animals.

Horn Flies: For optimal control of horn flies, as EpriGard Pour-On provides 7 days of persistent activity against horn flies, the product should be used as part of an integrated control program utilizing other control methods to provide extended control.

### DOSAGE

The product is formulated only for external application to beef and dairy cattle. The dose rate is 1 mL/10 kg (22 lb) of body weight. The product should be applied topically along the backline in a narrow strip extending from the withers

Do not underdose. Ensure each animal receives a complete dose based on a current body weight. Underdosing may result in ineffective treatment, and encourage the development of parasite resistance.

### ADMINISTRATION

Metering Cup with Measure-Squeeze-Pour System 250 mL (8.5 fl oz) Container with 25 mL Metering Cup

This pack contains 1 Metering Cup and 1 dip tube

- 1. Insert the dip tube into base of the Metering Cup. Leave the "slotted end" of the dip tube exposed in the bottom of the container
- Unscrew shipping cap from container top.
- Screw the Metering Cup onto container top.
- Measure: To select the correct dose rate, rotate the adjuster cap (top) in either direction to position the dose indicator to the weight of the animal you want to treat. When body weight is between markings, use the higher setting.
- Squeeze the container gently to fill the Metering Cup to the required dose.
- Release your grip and any excess will return to the container.

  6. Pour: Apply the full dose by tipping and pouring along the backline of the animal until the Metering Cup is empty.

  Storage: The Metering Cup should not remain attached to the
- container when not in use. Detach the Metering Cup after each use and replace the shipping cap to close the container top.

### Backpack (1 L/33.8 fl oz. 2.5 L/84.5 fl oz. and 5 L/169 fl oz Packs), and 10 L/338 fl oz Pack Connect the dosing applicator and draw-off tubing to the backpack as follows:

Attach the open end of the draw-off tubing to an appropriate dosing applicator. Attach draw-off tubing to the cap with the stem that is included in the pack. Replace the shipping cap with the cap having the draw-off tubing.

Gently prime the dosing applicator, checking for leaks. Follow the dosing applicator manufacturer's directions for adjusting the dose and proper use and maintenance of the dosing applicator and draw-off tubing.

### ANIMAL SAFETY

Tolerance and toxicity studies have demonstrated the margin of safety for eprinomectin in cattle. In toxicity studies, application of 3 times the recommended dose had no adverse effects on neonatal calves, and application of up to 5 times the recommended dose 3 times at  $7^{\circ}$  day intervals had no adverse effects on 8 week old calves. In the tolerance study, one of 6 cattle treated once at 10 times the recommended dose showed clinical signs of mydriasis. Application of 3 times the recommended dose had no adverse effect on breeding performance of cows or bulls.

> Residue Warnings: When used according to label directions, neither a pre-slaughter drug withdrawal period nor a milk discard time is required, therefore, meat and milk from cattle treated with EpriGard (eprinomectin) Pour-On may be used for human

> consumption at any time following treatment. A withdrawal period has not been established for pre-ruminating calves. Do not use in calves to be processed for yeal

### WARNING:

Keep this and all drugs out of the reach of children. NOT FOR USE IN HUMANS.

As with any topical medication intended for treatment of animals, skin contact should be avoided. If accidental skin contact occurs, wash immediately with soap and water. If accidental eye exposure occurs, flush eyes immediately with water. The Safety Data Sheet (SDS) contains more detailed occupational safety information.

To report suspected adverse drug events for technical assistance or to obtain a copy of the SDS, contact Aurora Pharmaceutical at 1-888-215-1256 or www. aurorapharmaceutical.com. For additional information about adverse drug experience reporting for animal drugs, contact FDA at 1-888-FDA-VETS or online at http://www.fda.gov.reportanimalae

### **PRECAUTIONS**

This product is for topical application only. Do not administer orally or by

Do not apply to areas of the backline covered with mud or manure

EpriGard Pour-On is not recommended for use in species other than cattle Severe adverse reactions have been reported in other species treated with products containing compounds of this class.

Restricted Drug (California) - Use only as directed.

### When to Treat Cattle with Grubs

Pour-On is effective against all stages cattle grubs. However, proper timing of treatment is important. For the most effective results, cattle should be treated as soon as possible after the end of the heel fly (warble fly) season. While this is not peculiar to eprinomectin, destruction of *Hypoderma* larvae (cattle grubs) at the period when these grubs are in vital areas may cause undesirable host-parasite reactions. Killing Hypoderma lineatum when it is in the esophageal tissues may cause bloat; killing H. bovis when it is in the vertebral canal may cause staggering or paralysis. Cattle should be treated either before or after these stages of grub development.

Cattle treated with EpriGard Pour-On at the end of the fly season may be re-treated with EpriGard Pour-On during the winter without danger of grub-related reactions. For further information and advice on a planned parasite control program, consult your veterinarian.

### OTHER WARNINGS

Parasite resistance may develop to any dewormer, and has been reported for most classes of dewormers

Treatment with a dewormer used in conjunction with parasite management practices appropriate to the geographic area and the animal(s) to be treated may slow the development of parasite resistance.

Fecal examinations or other diagnostic tests and parasite management history should be used to determine if the product is appropriate for the herd/flock, prior to the use of any dewormer. Following the use of any dewormer, effectiveness of treatment should be monitored (for example, with the use of a fecal egg count reduction test or another appropriate method).

A decrease in a drug's effectiveness over time as calculated by fecal egg count reduction tests may indicate the development of resistance to the dewormer administered. Your parasite management plan should be adjusted accordingly based on regular monitoring.

### **Environmental Safety**

Studies indicate that when eprinomectin comes in contact with soil, it readily and tightly binds to the soil and becomes inactive over time. Free ivermectin/eprinomectin may adversely affect fish and certain aquatic organisms. Do not permit cattle to enter lakes, streams or ponds for at least 6 hours after treatment. Do not contaminate water by direct application or by the improper disposal of drug containers. Dispose of containers in an approved landfill or by incineration.

As with other avermectins, eprinomectin is excreted in the dung of treated animals and can inhibit the reproduction and growth of pest and beneficial insects that use dung as a source of food and for reproduction. The magnitude and duration of such effects are species and life-cycle specific. When used according to label directions, the product is not expected to have an adverse impact on populations of dung-dependent insects.

### ADVERSE REACTIONS

bserved during clinical trials

### STORAGE CONDITIONS

Store bottle or pack in the carton to protect from light and at temperatures up to 86°F/30°C. Storage at temperatures up to 104°F/40°C is permitted for a short period of time, however, such exposure should be minimized. Do not freeze

For the 250 mL/8.5 fl oz bottle with a measure-squeeze-pour system, the Metering Cup should not remain attached to the container when not in use. Detach the Metering Cup after each use and replace the shipping cap to close the container top.

### HOW SUPPLIED

EpriGard (eprinomectin) Pour-On for Beef and Dairy Cattle is available in a 250 mL/8.5 fl oz bottle with a measure-squeeze-pour system, or in a 1 L/33.8 fl oz, 2.5 L/84.5 fl oz or 5 L/169 fl oz backpack, or 10 L/338 fl oz pack, intended for use with appropriate automatic dosing equipment.

Approved by FDA under ANADA # 200-741

Manufactured by: Aurora Pharmaceutical, Inc. Northfield, Minnesota 55057

Rev No. 05/2023

