ARMOR ANIMAL HEALTH
DETECT. DEFEND. DELIVER.

THE PRODUCER'S *EDGE*

January/February 2021

Start Your Calves Right for a Productive Life!

By David Mathes, Director of Sales & Marketing, DBC Ag Products

Prebiotics. Probiotics. Essential oils. Organic acids. You've probably seen one or all of these ingredients on packaging at the grocery store or in a food advertisement. All four ingredients fall into a category called eubiotics and can be found in livestock feed, too.

What are eubiotics?

Eubiotics are a class of feed additives including prebiotics, probiotics, essential oils and organic acids. They help provide a healthy balance of microbiota in the animal's gastrointestinal (GI) tract, supporting normal digestive health and a healthy immune system.
Eubiotics derives from the Greek term eubiosis, which translates to "healthy life" and is associated with bacterial homeostasis.



How do eubiotics work?

Traditional livestock eubiotics work as follows:

- Probiotics help maintain a natural population balance of gut flora to support normal digestive health.
- Prebiotics provide a food source for natural probiotics in the gut to help maintain proper flora.
- Organic acids help provide nutritional support for the mucosal lining of the digestive tract, which is key to a healthy, active microbiome in the GI tract.
- Essential oils offer flavoring for appetite, while supporting normal gut health and digestive function.

Combined, these eubiotics work synergistically to help maintain proper digestion, normal digestive health and support a functioning immune system.

When is the right time to use eubiotics?

During beef calving season, there are no guarantees that your calves will receive the proper amount of colostrum. Maintaining normal digestive health and a functioning immune system can help raise big, fast growing calves that can reach their genetic potential and be the foundation for a profitable beef herd in the future.

I good health starts when a beef calf is born. Introducing eubiotics to calves early-on to help maintain normal GI health is also important in providing support for the developing immune system.

Ready to add eubiotics into your program?

Last Stand® is an innovative, all-natural paste that quickly delivers support to help maintain normal GI health and provide support for a healthy immune system in beef calves. It contains the broadest, most targeted range of eubiotics and other proven technologies in its class.

It is ideal for administering on day one when processing calves to get them off to a great start, as well as convenient to carry with you when checking calves so you can administer anytime and anywhere for calves needing rapid support.

Contact your Armor Rep or see our Newsletter Insert for more details on LastStand®

SCOUR PREVENTION

ScourGuard 4KC • Zoetis



Contains two rotavirus strains, helping deliver upgraded rotavirus protection. It is the only vaccine with demonstrated G10 protection. Delivers significant increases in serum antibody titers to the new G10 rotavirus strain and G6 rotavirus strain. Significantly increases antibody concentrations to G10 rotavirus in the colostrum. Dosage: 2 mL IM in neck. Primary vaccination 6-9 weeks prior to calving. Booster dose 3-6 weeks prior to calving. Revaccination annually with a single dose 3 to 6 weeks prior to calving. 21 day slaughter withhold.

#5014569 - 20 mL, 10 ds
#5014568 - 100 mL, 50 ds

Continued on page 2...

COMING SOON

Calving Mailer
(February)
Key products for the season, specials and more

2021 Beef Catalog
(March)
Products for every animal health category, instruments & supplies



Scours Prevention

Prevention of calf scours is multifaceted and requires dedication. The absorption of antibodies from good quality clean colostrum is the first line of defense and the foundation which other factors depend upon. Sanitation is the other means to prevent scours. Ideally, the use of both strategies will optimize calf health.

The only way to economically administer antibodies against these diseases is through the mouth and into the gut, where absorption takes place.



There are two ways to do this:

1. Vaccinate the cow against these pathogens so her colostrum is full of specific antibodies
2. Use products containing these specific antibodies and administer directly to the calf

Both methods are time dependent; the sooner they are administered, the more complete the absorption. You should always consult your veterinarian before changing any vaccination protocols.

Vaccines for Pregnant Cows:

Scour Bos 4 • Elanco



Gives calves passive protection against diarrhea caused by rotavirus and coronavirus. Unique Xtend III adjuvant in combination with multiple virus strains provides improved protection levels plus a more flexible vaccination schedule. Safe for use in pregnant cows. Vaccinate pregnant cattle to provide scour protection to calves through the colostrum. Dosage: 2 mL IM, 8-16 wks prior to calving. Repeat 4 wks prior to calving. Booster annually, 8-10 wks prior to calving. 60-day slaughter withhold.
#5005208 - 10 ds
#5005206 - 50 ds

Bovine Pili Shield + C • Elanco



Vaccinating cows with Pili Shield assures passive protection in the calf against scours caused by E. coli and Clostridium perfringens Type C (enterotoxemia). Dosage: Administer 1 mL IM 8-16 wks prior to calving. Revaccinate annually. Safe for use in pregnant cows. 60-day slaughter withhold.
#5005211 - 20 ds
#5005215 - 100 ds

Scour Bos 9 • Elanco



Broad-spectrum calf diarrhea prevention that contains multiple rotavirus and E. coli strains plus coronavirus and Clostridium perfringens Type C in a unique adjuvant, Xtend III. This results in improved protection and increased flexibility of vaccination timing. Dosage: give 2 mL deep in the muscle of the cow's neck 8-16 wks pre-calving, followed up the first yr by a 2 mL dose of Scour Bos 4 six wks later. After this, only one dose of Scour Bos 9 is required per year, 8-10 wks prior to calving. Calves must receive colostrum to obtain protection. Safe for use in pregnant cows. 60-day slaughter withhold.
#5005204 - 10 ds
#5005212 - 50 ds

Guardian • Merck



Recommended for use in healthy heifers and cows to aid in the prevention of neonatal calf diarrhea caused by enterotoxigenic *E. coli* pilus type K99, bovine Group A Serotype G6 rotaviruses, enterotoxemia caused by *C.* perfringens Types C and D, and as an aid in the control of neonatal calf diarrhea caused by bovine coronaviruses. Dosage: Inject healthy pregnant cattle with 2 mL SQ 3 mos prior to calving. Repeat in 3-6 wks following initial vaccination. For subsequent calvings, revaccinate with a single 2 mL dose 5-7 wks before calving. 60-day slaughter withhold.
#5006829 - 10 ds
#5006828 - 50 ds

There are differences in the vaccination schedule and pathogen combinations as well as differences in their slaughter withdrawal. It is important to follow the vaccination schedule to ensure that antibodies in colostrum are maximized.

Calf Vaccines & Scouring Aids



There are several products available that supply antibodies directly to the calf that fight against bacteria, viruses and toxins.

- First Defense™ offers protection against E. coli and coronavirus.
- First Defense Tri-Shield™ offers protection against E. coli, coronavirus, and rotavirus. Contains blue dye for easy identification of treated calves.
- Calf Guard™, a modified live vaccine given orally to newborns, helps control scours caused by Rota and Corona viruses.

The timing of administration for these products varies. Calf Guard must be given at least 30 minutes before colostrum so the antibodies in colostrum do not inactivate the vaccine. The other products can be given at the same time as or directly following colostrum.

New Products

BlueLite Replenish M for Calves
• TechMix



Liquid oral rehydration solution for calves that should be used during all stages of scours. Reformulated with molasses flavoring to help improve palatability and present a stable, rich caramel brown coloring. Dosage: 4 oz into 2 qts of water.
#51578 - Gal
#6047087 - 4 oz

Calf Perk • TechMix



All newborn calves need a fast, warm start which is essential in preparing the future herd for success. Easy to use, immediate energy boost that naturally increases body temperature and respiration rates. Enhances calf vigor and suckle reflex, great for calves born into cold environments and stressful situations. Coats tongue and roof of mouth ensuring faster absorption through mucosal lining and into the blood stream, maximizing the effect.
#604772 - 15 - 1 ds tubes

Contact your sales rep for more information on new products.

Product Review:
SCCL Colostrum Replacer



By Dr. Vicky Lauer, Armor Professional Services Veterinarian

Colostrum administration is one of the first steps farmers take to ensure a calf reaches its optimum potential, whether that be future milk production or increased average daily gain. When maternal colostrum isn't available or colostrum quality is poor, many turn to a colostrum replacer.

Colostrum replacers aren't created equal. The antibodies in colostrum replacers come from two sources:
- Serum from slaughtered cattle
- Maternal colostrum

Serum-based colostrum replacers are basically milk replacers with additional serum antibodies. While the antibodies come from blood, serum-based products lack the natural growth factors, antimicrobials and additional nutrients found in maternal colostrum.

Colostrum-based products have the same components as maternal colostrum since they are simply dried maternal colostrum.

One of the best colostrum-based replacers on the market is manufactured by SCCL. SCCL collects frozen colostrum from licensed dairies throughout the United States and Canada. Each batch is tested for antibody content, then heat treated to kill bacteria such as the ones that cause Johne's disease. Colostrum is then spray dried and packaged for a long shelf life of three years. Throughout this process the colostrum is tested multiple times to guarantee the antibody levels meet the minimum required level and is free of pathogens.

SCCL doesn't remove any components of colostrum nor add any ingredients either, which means the fat also comes from colostrum. Colostral fat provides considerably more energy than protein or lactose, which allows the calf to stay warm and utilize its own natural brown fat stores.

Finally, SCCL is licensed by the USDA, which means their replacers have been proven to prevent failure of passive transfer (FPT). They undergo routine USDA inspections to ensure they maintain the highest industry standards so you can be confident of the safety and efficacy of SCCL products.

Product Options:



#14615	CCT HiCal	700 g



#14612	CCT Gold	225 g

COLOSTRUM SPECIAL
Buy 24 bags, get 6 bags FREE on Calf's Choice Total Gold Colostrum.
Buy 12 bags, get 2 bags FREE on Calf's Choice Total HiCal Colostrum.
Offer valid 1/1/21 through 2/28/21.

PRODUCT UPDATES

Due to Covid-19, manufactures are experiencing a higher number of allocated products and backorders than normal. The whole Armor team is working diligently to avoid stockouts to make sure you and your animals have what they need. Please contact your Armor sales representative for product availability and best substitutes. We appreciate your patience as we work through any delays.

Manufacturer backorders/limited release:
- Ampicillin Rx.
- Bio-Mycin 200
- BoviShield Line of Products
- CattleMaster Line of Products
- Canine Spectra
- Cystorelin Rx.
- C&D Antitoxin
- Duramycin 72-200
- Inforce 3
- Ivomec Injectable
- Noromycin 300 LA
- One Shot
- Panacur C
- Penicillin
- Polyflex 25g Rx.
- PreGuard Gold FP 10
- Pyramid 5 + Presponse
- Revalor 200
- Revalor H
- Revalor XH
- Revalor S
- ScourGuard 4-KC
- Sulfamimethoxine
- Tetanus Antitoxin
- Titanium 5 PH-M
- Touch N Tuff Gloves
- Triangle 4 PH-K
- Triangle 5
- Triangle 10
- Tylan 200
- Wart Vaccine
- WormEze Liquid
- Zactran Rx.

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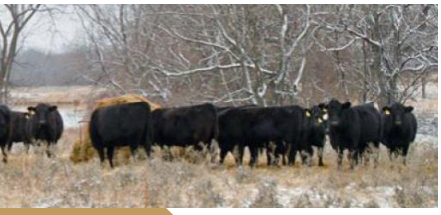
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ReproMune

Vigortone products, notably Armor Animal Health's **ReproMune,** feature advanced nutrition technology. **ReproMune** Mineral composition is the result of experience, field research and attention to formulation detail.

Special consideration is given to formulate for low-levels of nutrient antagonists such as sulfur and iron. The result is a more beneficial and nutrient efficient product.

Why 'The Next Generation'?

- Uses the latest research on the trace mineral ratios, resulting in increased bioavailability
- Antagonist levels are minimized
- Continued emphasis on uniformity

As a result, a producer can expect:

- Improved weaning weights
- Improved cow-longevity
- Improved conception
- Increased pasture utilization
- Improved profitability

What benefits to your operation have you seen by feeding ReproMune Mineral?

"We have been using ReproMune Mineral for several years; the first advantage we noticed was improvement in conception rates, which has continued throughout the years of usage. We have also seen excellent herd health while using the mineral. To top it off, we feel ReproMune is an affordable mineral."

Dennis Gustin
Gustin's Diamond D Gelbvieh
Beef Producer, Central North Dakota



SPRING MINERAL PROGRAM STARTS FEB. 1ST - ASK YOUR REP FOR DETAILS