

GIZMOS & GADGETS

Products for use on farms and ranches

Compiled by Shauna Hermel, editor

In this month's edition we highlight a vaccine to protect against pneumonia, new models for large square balers, research support for an anaplasmosis treatment, an oral electrolyte for calves, and combination approvals for a growth promotant.

▶▶▶ Intranasal protects against viral and bacterial pneumonia

Merck Animal Health introduces Bovilis® Nasalgen® 3-PMH to protect cattle from five of the most common pneumonia-causing viral and bacterial pathogens. According to the announcement, it is the first

intranasal vaccine effective in providing early, broad-spectrum respiratory protection against both viral and bacterial pathogens in a needle-free, animal- and Beef Quality Assurance (BQA)-friendly administration.

"Results of efficacy, duration of immunity and safety studies

demonstrate the vaccine is safe and effective for calves at 1 week of age or older," says Merck's Scott Nordstrom, director of livestock innovation and discovery.

The modified-live virus (MLV) vaccine provides strong early immune response to help give calves a strong foundation of respiratory disease protection against infectious bovine rhinotracheitis (IBR), bovine respiratory syncytial virus (BRSV), parainfluenza 3 (PI₃), *Mannheimia haemolytica* and *Pasteurella multocida*.

The vaccine is administered in a single 2-mL dose and is proven safe for use in pregnant cows and in calves nursing pregnant cows, as well as young calves. It contains a unique BluShadow™ diluent that clearly indicates which animals have been vaccinated. It is available in 2-mL, 20-mL and 100-mL packages. Consult your veterinarian for specific usage guidance.

▶▶▶ Anaplasmosis treatment

A new study, "Clinical effectiveness of enrofloxacin 100

mg/mL injectable solution for the treatment of acute anaplasmosis in cattle caused by *Anaplasma marginale*," is now available in the latest edition of *The Bovine Practitioner*, the journal of the American Association of Bovine Practitioners.

This study demonstrated that enrofloxacin administered subcutaneously at a dose of 5.7 mL per 100 pounds (lb.) of body weight (5.7 mg per lb.) improved treatment success and mortality outcomes when administered to cows with clinical anaplasmosis. Mortality was reduced from 47% to 3%.

"It is important for producers to consult with their veterinarians to help develop a plan for addressing anaplasmosis, as well as for effective means of tick control to help prevent the disease," says Elanco's Douglas Shane, project architect and lead author of the study. "Veterinarians and producers should remain aware that extra-label use of fluoroquinolones in food animals is illegal in the United States. Elanco is pleased to offer



Baytril® 100-CA1, a conditionally approved enrofloxacin product for treatment of clinical anaplasmosis."

Baytril 100-CA1 is indicated for the treatment of clinical anaplasmosis associated with *A.*

marginale in replacement dairy heifers under 20 months of age, all classes of beef cattle except beef calves less than 2 months of age and beef bulls of any age intended for breeding.

For more information, or to obtain a product label, visit www.elancolivestock.com. The complete study is available at: <https://journals.tdl.org/bovine/index.php/bovine/article/view/8004>.

▶▶▶ New oral electrolyte product for calves

Pacer Technology has introduced OSMO 400™, a new oral electrolyte product in its Complete Calf Care product line. OSMO 400 is the company's most advanced oral electrolyte product based on the latest technology and research available.

"OSMO 400 is formulated for the specific needs of calves under stress and in various stages of dehydration," says Michael Officer, director of research. "OSMO 400 is a specific balance of electrolytes, carbohydrates, amino acids and alkalinizing agents to quickly rehydrate stressed and dehydrated calves."

The product addresses metabolic acidosis, the leading cause of death in scouring calves. Research has shown that calves can lose 5%-10% of their body weight in water within the first day scouring, leading to progressive metabolic acidosis and death if not reversed quickly.

The product is formulated to

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▶▶▶ Large square baler models

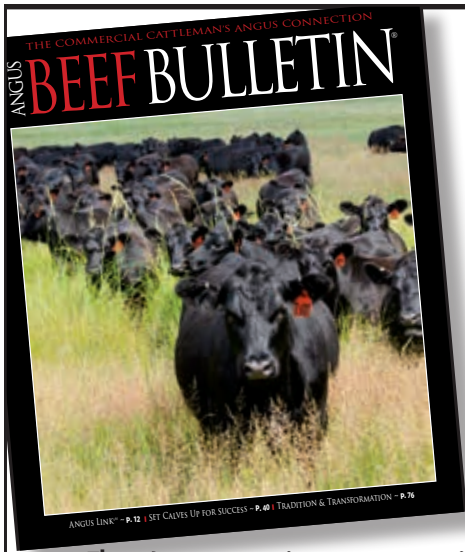
Krone North America introduces three new Generation 5 BiG Pack™ Large Square Baler models that offer greater reliability and baling capacity while building more uniform, dense bales.

The improved Variable Fill System (VFS) makes for easier adjustments and maintenance, while delivering increased reliability. The new bale chamber design builds more uniform, higher-density bales. A new, belt-driven cutter system delivers higher output and allows operators to quickly remove blockages from the tractor cab.

The Generation 5 Balers are equipped with many proven, Krone-exclusive features, including: the Krone chainless drive system, which consists of rugged drivelines and gearboxes instead of chains. The large flywheel reduces peak loads so these balers run quieter and smoother, and require less horsepower. The company's EasyFlow Camless Pickup generates a 30% higher pickup speed for higher throughputs.

The new Generation 5 BiG Pack models will be available in limited supply in 2021.





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provide the ideal balance and level of alkalinizing agents, mineral electrolytes, glycine, carbohydrates and sugars for optimum rehydration and replacement therapy.

It offers multiple benefits, including ideal osmolality for rapid rehydration of essential electrolytes, higher alkalinizing capacity to maintain normal blood pH, concentrated energy for maximum absorption rate, and ideal balance of components for optimum absorption and rehydration.

For more information, visit <https://www.keyagdistributors.com/osmo400-electrolyte>.

▶▶▶ Growth promotant gains approvals

Huvepharma's Optigrid® 45 has received FDA approval for combination use with other drug feed additive products in the manufacture of Type B and C medicated feeds.

Optigrid® 45, which is composed of the active ingredient ractopamine hydrochloride, can be fed as a complete feed or top-dressed on rations to cattle fed in confinement for slaughter during the last 28-48 days on feed prior to harvest.

The four specific combinations receiving FDA approval include Optigrid 45 with

- ▶ Monovet® 90 (monensin Type A medicated article);
- ▶ Monovet 90 and Tylovet® (tylosin phosphate Type A Medicated Article);
- ▶ Monovet 90 and MGA® (melengestrol); and
- ▶ Monovet 90, Tylovet and MGA.

For more information, contact your Huvepharma sales representative and/or call the company's customer service team at 877-994-4883. |

Editor's note: Submit new products for potential publication to Shauna Hermel, editor, at shermel@angus.org.