

Gizmos & Gadgets

Fermentation products and specialty features.

Compiled by Shauna Hermel, editor

Anti-infective

Norbrook launches Tulieve® (tulathromycin injection). The company's latest anti-infective offers an affordable alternative to leading tulathromycin injectables in shatterproof plastic bottles. Four sizes, ranging from 100 milliliter (mL) to 1 liter (L), are available. Two are hanger bottles, making it easier to handle while reducing risk of product loss.

"This rapidly absorbed, long-acting, single-shot antibiotic has proven highly effective in treating a broad range of bacterial pathogens that affect cattle," says Eric Moore, director of technical services for the company.

Tulieve has a preslaughter withdrawal time of 18 days.

For more information about Tulieve and Norbrook's portfolio of cattle products, including five classes of antibiotics, visit www.norbrook.com.

Remote water monitoring

Ranchbot Monitoring Solutions, founded and proven in Australia, introduces its remote water-monitoring technology to the U.S. market.



Ranchbot Monitoring Solutions



Norbrook Tulieve

With Ranchbot, water levels can be observed via phone or tablet through a satellite connection, alerting producers when water levels are low, high or rapidly falling.

On the Ranchbot website, the company hosts a savings calculator to help livestock producers evaluate how much it costs to manually check water sources on the operation and understand the value of the technology.

Manufactured in the United States, Ranchbot technology mounts to water sources like tanks, wells and dams. Data is transmitted to the MyRanchbot platform via satellite connection. For as little as \$1 per day, the user-friendly dashboard provides users with water level data, trends and alerts of potential issues.

For more information visit www.ranch-bot.com.

Feedlot probiotic

The feedlot industry is constantly under pressure to produce more with fewer natural resources, while ensuring the health and well-being of the animals. To address that need, Chr. Hansen launches a new product into the U.S. market.

"Bovamine Defend® Plus is our

latest science-based, research-proven probiotic product for feedlot cattle," says Giuseppe Copani, head of ruminant innovation. "Our long history in harnessing the power of good bacteria allowed us to find cooperative strains to use in one product so that our customers have one sustainable solution to multiple challenges."

Nutritionists recommend probiotics to improve average daily gains and feed conversion and to ensure the establishment of normal gastrointestinal functions, even under stressful conditions.

Specifically, Bovamine Defend Plus:

- ▶ combines four strains into one product to effectively support cattle health and efficiency.
- ▶ supports digestive and immune functions in cattle. It contains four strains of bacteria [*Lactobacillus animalis* (LA-51), *Propionibacterium freudenreichii* spp. *shermanii* (PF-24), *Bacillus licheniformis* (CH200) and *Bacillus subtilis* (King)] specifically selected for their modes of action and the symbiotic relationship they have with each other.
- ▶ includes Chr. Hansen's most researched lactate producer and lactate utilizer combined with its most researched strains of Bacilli.

"For feedlot managers and nutritionists looking to improve their cattle and operations, Bovamine Defend Plus is the premier solution in probiotics that proactively support proper

gut health while contributing to feed efficiency, productivity and smoother operations," says Jen Schutz, head of North America technical services.

For more information visit <https://www.chr-hansen.com/>.

A tighter bale

Deere & Co. adds to its baler lineup the L341R High-Density Large Square Baler. The new baler creates 3x4-foot (ft.) high-density bales. For straw bales, farmers can expect bale weight increases of up to 30%.

"There are fewer bales to pick up and move, which leads to less in-field compaction," says Chase Milem, marketing manager at John Deere. "Since fewer bales need to be removed from the field, farmers save time, labor and fuel. In addition, the heavy bales help ensure trucks are loaded with the most amount of hay possible for enhanced efficiency."

High-density balers are commonly used in crops having more elastic characteristics, such as straw. The L341R features increased plunger force, tension panel pressure, and an 18-inch (in.)-longer bale chamber than previous models to provide the extra pressure to the bales. Added pressure is applied to the crop as it is moved through the baler, packed and then formed into a bale.

For example, the L341R can form up to 1,200-pound (lb.), densely packed 3x4-ft. straw bales. Previously, the same-sized bale weighed up to 925 lb. Across a 160-acre field, with

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straw yielding 2 tons per acre, a farmer could get by with four fewer trailers to transport the bales. In this scenario, hauling bales 200 miles at \$4.80 per mile can save \$3,840, or \$960 per trailer load.

John Deere is also making new Bale Documentation technology available on its large square balers to support greater agronomic and resource management. Using Bale Doc, farmers can track bale weight and moisture, and flow that data into the John Deere Operations Center for analysis and permanent recordkeeping.

For more information visit <https://www.deere.com/en/> or your local John Deere dealer.



Deere & Co. L341R High-Density Large Square Baler

Compact dozer loader

Case Construction Equipment introduces the Case Minotaur™ DL550 Compact Dozer Loader. Weighing more than 18,000 lb. and working with 114 hp, the first-of-its-kind machine delivers true dozing and grading performance, as well as powerful site loading capabilities and compatibility with hundreds of attachments.

The hallmark advancement of the Case Minotaur DL550 is the



Case Minotaur DL550 Compact Dozer Loader

chassis-integrated C-frame with six-way dozer blade. The C-frame hydraulically couples into both the chassis of the machine, as well as the attachment coupler. This design provides the stability and smooth operating plane of a small dozer while ensuring all operating power is channeled through the whole body of the machine. This establishes greater performance and long-term reliability than the simple combination of a dozer blade

attachment to a traditional compact track loader.

It also comes standard with Case Universal Machine Control, which makes the machine ready for any of the major three providers of machine control technology. It's

available with an optional, industry-exclusive fully integrated ripper.

The C-frame is then detached to allow the operator to use it as a loader with a heavy-duty 1.25-cubic-yard bucket, or with hundreds of common loader attachments many equipment owners already have in their fleet.

For more information contact your local Case dealer, and learn more at <https://www.casece.com/Minotaur>. **ABB**