



FEED ADDITIVE
SOLUTIONS
FROM ZOETIS

**GAIN POUNDS
& GROW PROFIT.**

Zoetis delivers the broadest range of feed additives for all phases of livestock production. And now, its two unique ionophore offerings are advancing cattle gains unlike other ionophores currently on the market.¹⁻⁶

A SIGNIFICANT DIFFERENTIATOR

Richard Zinn, PhD, a prominent nutritionist from the University of California, Davis, has studied the value of increasing energy intake and its connection to increased weight gain. Dr. Zinn has seen a direct correlation between increasing energy intake and increasing weight gain.

When average daily gain (ADG) isn't meeting expectations, there are three areas to evaluate, according to Dr. Zinn:

1

IMPLANT PROGRAM

2

USE OF FEED ADDITIVES

3

CATTLE & FEED MANAGEMENT

IMPLANT PROGRAM

When cattle aren't meeting gain expectations, Dr. Zinn recommends first looking at the implant program. Does the implant match the performance goals and the length of time on feed?

The SYNOVEX® line of implants offers a full range of formulations to meet the needs of a feedlot producer. SYNOVEX elevates cattle performance and delivers the high-quality beef consumers demand.



IMPLANT PROGRAM COMPARISON

IMPLANT	FORMULATION	DURATION
SYNOVEX® S	200 mg progesterone and 20 mg estradiol benzoate	Conventional
SYNOVEX H	200 mg testosterone propionate and 20 mg estradiol benzoate	Conventional
SYNOVEX CHOICE®	100 mg of trenbolone acetate and 14 mg of estradiol benzoate	Conventional
SYNOVEX PLUS®	200 mg trenbolone acetate and 28 mg estradiol benzoate	Conventional
SYNOVEX ONE FEEDLOT	200 mg of trenbolone acetate and 28 mg of estradiol benzoate	Long-lasting — up to 200 days

USE OF FEED ADDITIVES

The strategic use of feed additives can help increase energy intake through increased feed intake. Healthy animals are more likely to eat more, so it's important to leverage feed additives in an overall health program for cattle entering a confined feeding system.

For more information on the complete line of Feed Additive Solutions from Zoetis, visit CattleFeedAdditives.com.

INCREASING FEED INTAKE THROUGH IONOPHORES

The ionophore market leader, Rumensin®, isn't labeled for increasing weight gain in confined cattle and has shown reduced feed intake.¹⁻⁴ That's where there's value in talking about other available ionophores.

BOVATEC® and CATTLYST® bring the convenience of not needing to step up the concentration in the ration. From start to finish, producers can feed the recommended dose to increase weight gain and improve feed efficiency in confined cattle. This is a significant differentiator in feed additives.

On-arrival respiratory stress can greatly impact how quickly stocker or feedyard cattle get on feed. Cattle fed BOVATEC with AUREOMYCIN® saw a \$22.66-per-head advantage over cattle fed Rumensin and Tylan® during an 80-day grow period.^{2,†} When BOVATEC is fed in combination with AUREOMYCIN, a veterinary feed directive is required.

BOVATEC is effective during the entire feeding period; however, the biggest advantage is during the starter/growing phase.

The newest ionophore, CATTLYST, brings increased weight gain and feed efficiency. Backed by two decades of research, it shows an advantage in live weight and carcass weight over cattle fed Rumensin.

A meta-analysis of studies demonstrated that steers fed CATTLYST, with and without AUREOMYCIN, showed higher dry matter intake (DMI) of 0.64 pound/day, a 0.11 pound/day increase in ADG, and a hot carcass weight advantage of 11.82 pounds compared with steers fed Rumensin, with and without Tylan ($p < 0.01$).⁵

IONOPHORE COMPARISON

BENEFIT	BOVATEC®	CATTLYST®	Rumensin®
Improves feed efficiency	✓	✓	✓
Doesn't suppress feed intake ¹⁻⁶	✓	✓	
Increases average daily gain in feedlot cattle	✓	✓	
No step-up program required	✓	✓	
Cross-clearance to feed with AUREOMYCIN®	✓	✓	
Coccidiosis control indication	✓		✓
Cross-clearance to feed with DECCOX®			✓
Cross-clearance to feed with Tylan®*			✓
Cross-clearance to feed with MGA®	✓		✓
Cross-clearance to feed with DECCOX and Tylan*			✓
Cross-clearance to feed with MGA and Tylan*	✓		✓
Cross-clearance to feed with ACTOGAIN® 45, MGA and Tylan*			✓
Cross-clearance to feed with ACTOGAIN and Tylan*			✓

*Approvals with Tylan also represent cross-clearance approvals with Tylovet®.

Combinations with AUREOMYCIN, Tylan or Tylovet require a valid veterinary feed directive.

CATTLE AND FEED MANAGEMENT

Many feedlot owners are willing to give up weight gain by limiting feed intake, which, in the end, hurts profitability. Dr. Zinn says that good feed and cattle management can overcome problems with metabolic and bloat issues. Some tips to avoid metabolic issues and improve feed intake include:

- Check the effective fiber content of the diet. Fiber that's too low can cause bloat.
- Feed consistent amounts at consistent time intervals.
- Audit the feed bunk to see what's left after feeding to help manage adjustments to the ration.
- Provide adequate bunk space so all animals in the pen can eat, along with adequate access to water to encourage feed intake.

OUTPERFORM THROUGH INNOVATION

If your cattle still aren't meeting performance goals, it might be time to take a closer look at their energy intake. Our Zoetis team of livestock production specialists and nutritionists can help you improve weight gain and efficiencies and meet your performance goals. To learn more, give us a call at 888-ZOETIS1.

Do not use SYNOVEX products in veal calves. Refer to label for complete directions for use, precautions, and warnings.

Do not use BOVATEC in calves to be processed for veal. Do not allow horses or other equines access to feeds containing lasalocid, as ingestion may be fatal. Feeding undiluted or mixing errors resulting in excessive concentrations of lasalocid could be fatal to cattle and sheep.

Do not allow horses or other equines access to feeds containing CATTLYST. Do not use in animals intended for breeding.

Do not use DECCOX in cows producing milk for human consumption.

Do not use AUREOMYCIN in calves to be processed for veal.

Withdraw AUREO S 700 seven (7) days prior to slaughter. Do not use in calves to be processed for veal.

Caution: Federal law restricts medicated feed containing these veterinary feed directive (VFD) drugs, AUREOMYCIN and AUREO S 700, to use by or on the order of a licensed veterinarian.

¹Overall (80-day grow period): purchase price \$130/cwt, ration cost \$250/ton (DM basis). BOVATEC + AUREOMYCIN: initial body weight (BW) 628 lb., average daily gain (ADG) 3.74 lb. and DM intake (DMI) 17.26 lb.; Rumensin: initial BW 627 lb., ADG 3.44 lb. and DMI 16.51 lb.

²Data on file, Study Report No. MC013-06-AULA13 (Colorado study), Zoetis Inc.

³Data on file, Study Report No. MC014-06-AULA13 (South Dakota study), Zoetis Inc.

⁴Data on file, Study Report No. MC015-06-AULA13 (Oklahoma study), Zoetis Inc.

⁵Data on file, Study Report No. MC017-06-AULA13 (New Mexico study), Zoetis Inc.

⁶Cernicchiaro N, Corbin M, Quinn M, Prouty F, Branine M, Renter DG. Meta-analysis of the effects of laidlomycin propionate, fed alone or in combination with chlortetracycline, compared with monensin sodium, fed alone or in combination with tylosin, on growth performance, health and carcass outcomes in finishing steers in North America. *J Anim Sci*. 2016;94(4):1662-1676.

⁷Reinhardt C. The Effects of Cattlyst + Aureomycin vs Rumensin + Tylan in Finishing Cattle on Feedlot Performance, Carcass Traits, and Incidence of Liver Abscesses: a Pooled Analysis of Seven Studies, Zoetis Inc.

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