

Worth the Weight



with Tylan™



See a valuable difference in your cattle. Elanco can help optimize your herd's potential with high-return, proven solutions like Rumensin® and Component® TE-G with Tylan® (trenbolone acetate and estradiol and tylosin tartrate implants).

Optimize cattle growth

Implanting is one of the most profitable management tools available to stocker operators.¹ Designed for both steers and heifers, Component TE-G with Tylan helps increase performance and economic return. Plus, Component TE-G with Tylan brings an added benefit no other implant on the market today offers with localized antibacterial protection in every implant that helps reduce the incidence of abscesses.²

Two stocker studies compared the effects of grazing implant protocols on cattle performance during 159- or 161-day grazing periods.^{3,4}

Average stocker daily weight gain

Figure 1: Oklahoma study, cattle raised on wheat pasture³

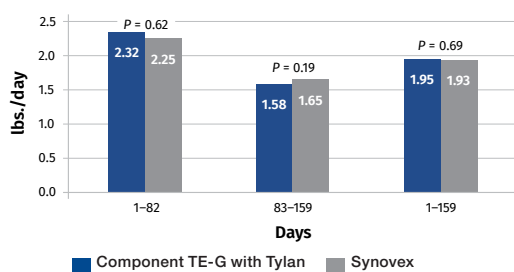
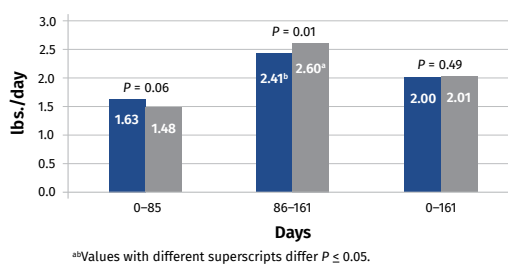


Figure 2: Mississippi study, cattle raised on combination of oats interseeded into annual ryegrass⁴



Key for both studies:

- One group received a single Component TE-G with Tylan dose on day 1.
- Another group was implanted on day 1 with one dose of Synovex® One-Grass, a 200-day payout implant.

Compared to Synovex One-Grass, a single-dose program of Component TE-G with Tylan performed similarly during the stocker phase, despite having about 75% less trenbolone acetate present. **The results from this research and previous studies do not support paying a premium for a 200-day payout implant, Synovex One-Grass.**^{3,4}

*The third treatment in this study included Component TE-G with Tylan (40 mg trenbolone acetate and 8 mg estradiol) implanted on day 1 and again on day 82. This treatment was not different ($P > 0.49$) from the first treatment group that implanted Component TE-G with Tylan on day 1. This treatment group was removed due to the request by the Center for Veterinary Medicine (CVM) for clarification of labeling regarding reimplantation within a production phase.

Sell heavier cattle

Rumensin in growing beef steers and heifers on pasture is a proven management tool that optimizes your investment by improving rate of gain, even as quality of forage changes from year to year. For pennies per head per day, Rumensin has been shown to deliver 20 pounds or more per head of additional selling weight during a 100-day grazing period.⁴



Right for cattle. Right by you.

Elanco

TM

It all adds up

Rumensin and Component TE-G with Tylan in stocker cattle can optimize efficiency. In three studies, feeding Rumensin to stocker cattle, along with implanting Component TE-G with Tylan, resulted in 42-70 added pounds during grazing season relative to negative control (cattle fed supplement but no implant). These results generate an additional financial return of about \$75-\$150 per head, even using a conservative market price of \$180-\$215 per cwt.^{5,6,7}

Study site	Forage type (grazing days)	Cattle type (number of head)	Additional lbs. from Rumensin (delivered via loose mineral or in protein blocks)	Additional lbs. from Component TE-G	Total additional lbs. from stacked technologies
Oklahoma State University ⁵	Winter wheat (112 days)	Crossbred steers (207)	19.8	32	51.8
University of Arkansas ⁶	Winter wheat (87 days)	Crossbred steers (180)	19.8	22.9	42.7
Noble Foundation ⁷	Cereal rye (84 days)	Crossbred steers (90)	31.5	38.9	70.4



=

\$75-\$150
RETURN ON INVESTMENT^{5,6,7}



Component® Implants

BLUE
COMPONENT
EZ® GUN



IMPLANT	INGREDIENTS	DOSAGE (MG)	INDICATIONS	ESTIMATED PAYOUT PERIOD
Component TE-G (trenbolone acetate and estradiol implants)	Trenbolone acetate Estradiol	40 8	Growing beef steers and heifers on pasture (stocker, feeder and slaughter)	100-140 days
Component TE-G with Tylan* (trenbolone acetate and estradiol and tylosin tartrate implants)	Estradiol Trenbolone acetate Tylosin tartrate	8 40 29	Growing beef steers and heifers on pasture (stocker, feeder and slaughter)	100-140 days

Rumensin*:

The label contains complete use information, including cautions and warnings. Always read, understand and follow the label and use directions.

CAUTION: Consumption by unapproved species or feeding undiluted may be toxic or fatal. Do not feed to veal calves.

Growing beef steers and heifers on pasture (stocker, feeder, and slaughter) or in a dry lot, and replacement beef and dairy heifers:

For increased rate of weight gain: Feed 50-200 mg/hd/day in at least 1.0 lb. of Type C Medicated Feed. Or, after the fifth day, feed 400 mg/hd/day every other day in 2.0 lbs. of Type C Medicated Feed. The Type C Medicated Feed must contain 15-400 g/ton of monensin (90% DM basis). Do not self feed.

For the prevention and control of coccidiosis due to Eimeria bovis and Eimeria zuernii: Feed at a rate to provide 0.14-0.42 mg/lb. of body weight/day, depending upon severity of challenge, up to a maximum of 200 mg/hd/day. The Type C Medicated Feed must contain 15-400 g/ton of monensin (90% DM basis).

Type C free-choice medicated feeds: All Type C free-choice medicated feeds containing Rumensin must be manufactured according to an FDA-approved formula/specification. When using a formula/specification published in the Code of Federal Regulations (CFR), a Medicated Feed Mill license is not required. Use of Rumensin in a proprietary formula/specification not published in the CFR requires prior FDA approval and a Medicated Feed Mill License. Approved supplements must provide not less than 50 nor more than 200 mg per head per day of monensin.

Component TE-G with Tylan: IMPORTANT SAFETY INFORMATION:

INDICATION: For increased rate of weight gain in growing beef steers and heifers on pasture (stocker, feeder, and slaughter).

Not approved for repeated implantation (re-implantation) with this or any other cattle ear implant in growing beef steers and heifers on pasture (stocker, feeder, and slaughter). Safety and effectiveness following reimplantation have not been evaluated.

DIRECTIONS FOR USE: Administer one dose in the ear subcutaneously according to label directions.

CAUTION: Federal law restricts this drug to use by or on the order of a licensed veterinarian.

- Do not use in beef calves less than 2 months of age, dairy calves, and veal calves because effectiveness and safety have not been established.
- Do not use in animals intended for subsequent breeding, or in dairy cows.

* Rumensin FOI NADA 095-735.

¹ McMurphy, C, Sharman D, et al. Effects of implant type and protein source on growth of steers grazing summer pasture. *The Professional Animal Scientist*. 2010; 27(5):402-9.

² Elanco Animal Health. Data on File.

³ Elanco Animal Health. Data on File.

⁴ Elanco Animal Health. Data on File.

⁵ Sharman et al. Effect of Rumensin, Micotil, and Component TE-G with Tylan on health, growth performance, and carcass merit of stocker cattle grazing wheat pasture. *J. Anim. Sci.* 2012. Vol. 90 (Suppl. 3):669.

⁶ Beck et al. Additive effects of implants and ionophores on performance of growing steers grazing wheat pasture. *J. Anim. Sci.* 2012. Vol. 90 (Suppl. 1):27.

⁷ Reuter et al. Additivity of stacked technologies in stocker cattle. *J. Anim. Sci.* 2013. Vol. 91 (Suppl. 1):16.

Component, Tylan, Rumensin, Elanco and the diagonal bar logo are trademarks of Elanco or its affiliates. Other company and product names are trademarks of their respective owners.

©2024 Elanco or its affiliates. PM-US-21-3354(3)

Right for cattle. Right by you.

Elanco

TM

(trenbolone acetate and estradiol and tylosin tartrate implants)

**FOR GROWING BEEF STEERS AND HEIFERS
ON PASTURE (Stocker, Feeder, and Slaughter)**

Caution: Federal law restricts this drug to use by or on the order of a licensed veterinarian.

20 dose Cartridge Belt**Use with a Component Implanter****DESCRIPTION:**

Each cartridge belt holds 20 doses of Component TE-G with Tylan (trenbolone acetate and estradiol and tylosin tartrate implant) Implants. Each dose of 3 pellets consists of 2 pellets containing a total of 40 mg of trenbolone acetate and

8 mg estradiol plus 1 pellet containing 29 mg tylosin tartrate as a local antibacterial.

INDICATIONS FOR USE:

For increased rate of weight gain in growing beef steers and heifers on pasture (stocker, feeder, and slaughter).

Not approved for repeated implantation (re-implantation) with this or any other cattle ear implant in growing beef steers and heifers on pasture (stocker, feeder, and slaughter). Safety and effectiveness following re-implantation have not been evaluated.

Do not use in beef calves less than 2 months of age, dairy calves, and veal calves because effectiveness and safety have not been established. Do not use in animals intended for subsequent breeding, or in dairy cows.

WARNING:

This product is intended for use in cattle at high risk of developing ear abscesses. Not recommended for use in cattle at low risk of developing ear abscesses (e.g., dry, clean cattle).

The benefit of using a cattle ear implant containing a tylosin tartrate pellet when animals receive a concomitant antimicrobial product has not been evaluated.

Withdrawal Periods and Residue Warnings

No withdrawal period is required when used according to labeling.

Do not use in beef calves less than 2 months of age, dairy calves, and veal calves. A withdrawal period has not been established for this product in pre-ruminating calves.

Do not use in dairy cows or in animals intended for subsequent breeding. Use in these cattle may cause drug residues in milk and/or calves born to these cows.

Implant pellets subcutaneously in ear only. Any other location is a violation of Federal law. Do not attempt salvage of implanted site for human or animal food.

USER SAFETY WARNINGS:

Not for human use. Keep out of reach of children.

Restricted Drug (California) - use only as directed.

IMPLANTING INSTRUCTIONS:**Loading the Implanter**

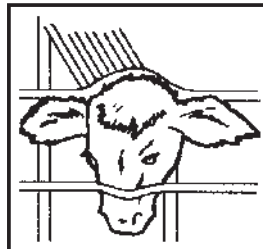
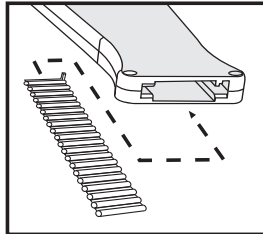
Load the implanter following the instructions supplied with each implanter.

Restrain the Animal

Speed of implantation as well as safety of handlers is best achieved by restraining animal in a squeeze chute using head restraint. When implanting horned cattle, better control is obtained with additional use of nose tongs.

Prepare the Implant Site

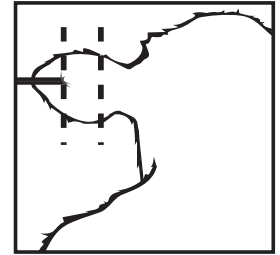
Scrub the back side of the ear (implant site) with a piece of clean absorbent cotton which has been soaked with topical germicidal solution. Follow manufacturer's directions on germicide for correct strength and preparation of solution. Avoid getting disinfectant in animal's eyes.

**Where to Implant**

The full contents of one cartridge cell should be implanted beneath the skin on the back side of the middle one-third of the ear as illustrated in the drawing. The implant must not be closer to the head than the edge of the auricular cartilage ring farthest from the head. The location for insertion of the needle is a point toward the tip of the ear at least a needle length away from the intended deposition site. Avoid injuring the large arteries, veins and cartilage of the ear.

**Insert the Needle**

With one hand firmly grasp the ear. With the other hand insert needle point through the skin and ease forward on a lateral plane until the entire length of the needle is under the skin.

**Implant the Pellets**

After inserting the needle fully in the correct position, squeeze the trigger fully as the needle is withdrawn from the ear. This properly deposits the implant in the needle track. This procedure should prevent breakage or crushing of pellets if otherwise forced into contact with tough fibrous-tissue underlying the skin. The length and total contact area of the single dose are designed to permit absorption of the hormones after implantation to stimulate good weight gain. Broken or crushed pellets may interfere with rates of gain.

Storage Conditions

Store unopened product at or below 25°C (77°F). Avoid excessive heat and humidity.

Use before the expiration date printed on foil pouch. Discard open foil pouches.

Approved by FDA under ANADA # 200-221

Manufactured by a non-sterilizing process.

Component TE-G with Tylan is covered by U.S. Patent No. 5,874,098

Component, Tylan, Elanco and the diagonal bar logo are trademarks of Elanco or its affiliates.

© 2023 Elanco or its affiliates

Distributed by Elanco US Inc,
Greenfield, IN 46140, USA

Tylosin: Product of the United Kingdom

QUESTIONS/COMMENTS? For a copy of the Safety Data Sheet or to report side effects, contact Elanco US, Inc. at 1-888-545-5973. For additional information about adverse drug experience reporting for animal drugs, contact FDA at 1-888-FDA-VETS or <http://www.fda.gov/reportanimalae>.

April 2023