

FAQ

SYNOVEX[®] ONE FEEDLOT AND SYNOVEX ONE GRASS

Q: WHAT ARE SYNOVEX[®] ONE FEEDLOT AND SYNOVEX ONE GRASS?

A: SYNOVEX ONE FEEDLOT and SYNOVEX ONE GRASS are sustained-release implants delivering up to 200 days of growth promotion for feedlot and stocker cattle, respectively.

Q: WHAT ARE THE BENEFITS OF USING SYNOVEX ONE FEEDLOT OR SYNOVEX ONE GRASS?

A: With up to 200 days of extended duration, producers can take advantage of long-acting performance with the increased flexibility of using a single implant for both steers and heifers.

For feedlot managers, SYNOVEX ONE FEEDLOT eliminates the need to re-implant midway through the feeding period, for less stress on cattle and greater labor efficiency. And stocker managers can make the most of grazing gains when there's still available grass after 140 days for greater forage utilization and better forage crop management.

Q: WHAT PERFORMANCE ADVANTAGES CAN I EXPECT FROM SYNOVEX ONE FEEDLOT?

A: Compared with feedlot steers given a placebo implant, those receiving SYNOVEX ONE FEEDLOT gained 3.45 lb./day, or a 15% improvement in average daily gain (ADG) and a 9.8% improvement in feed efficiency.¹ Heifers receiving SYNOVEX ONE FEEDLOT showed a 12% increase in ADG and a 7% improvement in feed efficiency.¹

Q: WHAT PERFORMANCE ADVANTAGES CAN I EXPECT FROM SYNOVEX[®] ONE GRASS?

A: Steers receiving SYNOVEX ONE GRASS demonstrated a 17.2% improvement in ADG over steers given a placebo implant, and heifers receiving SYNOVEX ONE GRASS achieved an 11.3% increase in ADG over heifers given a placebo implant.²

Q: HOW DOES SYNOVEX ONE FEEDLOT PERFORM AGAINST REVALOR[®]-XS?

A: In head-to-head studies, SYNOVEX ONE FEEDLOT performed comparably with Revalor-XS in ADG, dry matter intake (DMI) and overall feed-to-gain ratios. Statistically, there was no difference in performance between SYNOVEX ONE FEEDLOT and Revalor-XS.³ SYNOVEX ONE FEEDLOT allows you to use the same implant in heifers and steers, unlike Revalor-XS.

Q: HOW DOES THE SUSTAINED-RELEASE MECHANISM OF SYNOVEX ONE GRASS AND SYNOVEX ONE FEEDLOT WORK?

A: Both SYNOVEX ONE GRASS and SYNOVEX[®] ONE FEEDLOT use the same conventional compression matrix found in SYNOVEX PLUS[®] and SYNOVEX CHOICE[®]. However, the pellets of SYNOVEX ONE GRASS and SYNOVEX ONE FEEDLOT are coated with a unique, patented pore-forming polymer barrier during the manufacturing process. After the implants are administered and exposed to vascular fluids in the ear, the coating develops pores or channels, and the active ingredients are released slowly over time. Research, both explant data and animal performance studies, indicate that pores begin to develop in the coating within five to 14 days post implant administration and start to expose the compression matrix, releasing active ingredients. This coating regulates the release of the active ingredients at a slower rate than conventional implants.

Q: WHAT'S THE DIFFERENCE BETWEEN SYNOVEX® ONE FEEDLOT AND SYNOVEX ONE GRASS?

A: SYNOVEX ONE FEEDLOT has been specially formulated for optimum performance in feedlot cattle. SYNOVEX ONE GRASS has been formulated for cattle in grazing systems. Both formulations deliver up to 200 days of performance.

Q: HOW DO SYNOVEX ONE FEEDLOT AND SYNOVEX ONE GRASS ACHIEVE UP TO 200 DAYS OF PERFORMANCE?

A: SYNOVEX implants are coated with a patented sustained-release polymer barrier that allows for slow, consistent release of active ingredients for up to 200 days — twice the duration of conventional formulations.

Q: HOW LONG HAS SYNOVEX BEEN ON THE MARKET?

A: For more than 50 years, Zoetis has been bringing you SYNOVEX implants to boost performance at every production stage. With the introduction of SYNOVEX ONE FEEDLOT and SYNOVEX® ONE GRASS, feedlot and stocker managers now have a formulation that delivers longer duration performance.

Q: HOW DOES THE SX10 PRECISION APPLICATOR IMPROVE IMPLANTING QUALITY?

A: The SX10 Precision Applicator features a retractable needle to help prevent crushed or bunched implants. Because SYNOVEX ONE FEEDLOT, SYNOVEX ONE GRASS and all SYNOVEX implants can be administered with the SX10, there's no need for multiple applicators for different implant potencies.

Q: WHAT ACTIVE INGREDIENTS ARE IN SYNOVEX ONE FEEDLOT AND SYNOVEX ONE GRASS?

A: Both formulations contain trenbolone acetate (TBA) and estradiol benzoate (EB).

Q: ARE SYNOVEX ONE FEEDLOT AND SYNOVEX ONE GRASS SAFE?

A: SYNOVEX implants are safe and effective. Following label directions will optimize cattle performance and maintain the wide margin of safety that has been demonstrated for animals, food and the environment.

Q: WHY SYNOVEX ONE FEEDLOT OR SYNOVEX® ONE GRASS?

A: Both formulations deliver the increased gains and feed efficiency of SYNOVEX implants, now with a 200-day sustained release, thanks to the patented coating.

Q: WHY ZOETIS?

A: You may have worked with the Zoetis Technical Services Team before, which includes cattle nutritionists, meat scientists and veterinarians who can help you achieve the best return on your investment (ROI) from SYNOVEX implants. To help make your operation more productive, Zoetis offers ROI-driven outcomes research data and the largest support and service team in the industry, including local representative support, Technical Services and Veterinary Medical Information and Product Support (VMIPS).

**QUESTIONS ABOUT SYNOVEX® ONE FEEDLOT OR SYNOVEX ONE GRASS?
CONTACT YOUR ZOETIS REPRESENTATIVE OR VISIT GROWWITHSYNOVEX.COM.**

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

¹ Cleale RM, Bechtol DT, Drouillard JS, et al. Synovex Plus implants coated with a polymeric, porous film improve performance of beef steers and heifers fed in confinement for up to 200 days. *J Anim Sci.* 2012;90(13):5056-5066.

² Cleale RM, Edmonds JD, Edmonds M, et al. Growth promoting hormonal implant pellets coated with a polymeric, porous film promote weight gain by grazing beef heifers and steers for up to 200 days. *J Anim Sci.* 2015;93(4):1933-1941.

³ McLaughlin CL, Bechtol DT, Lawrence TE, et al. Comparison of the effects of long-acting Synovex One with Revalor-XS and Synovex Plus on growth performance and carcass quality in steers. *The Prof Anim Sci.* 2013;29(2):147-156.