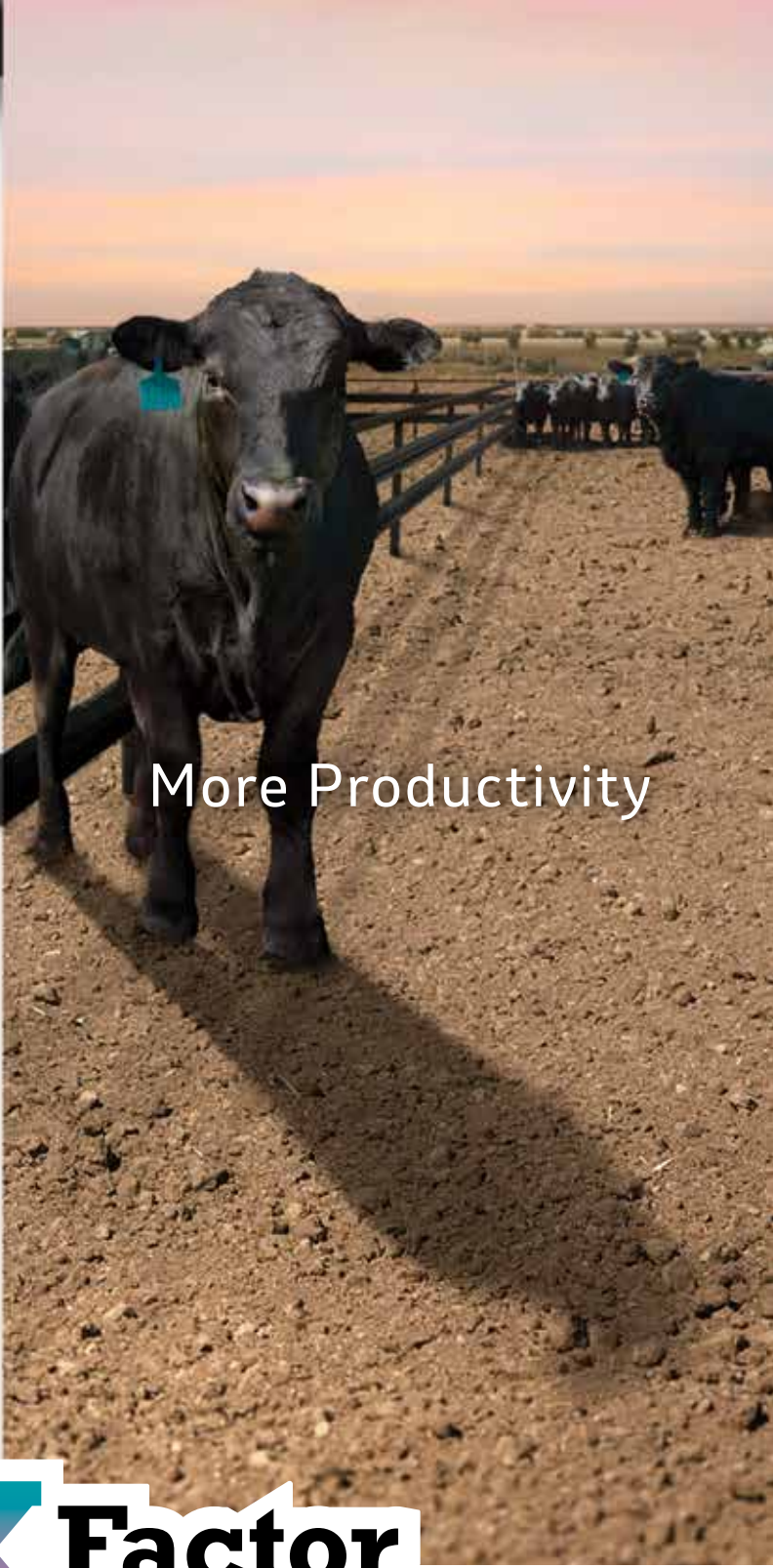




Less Time



More Productivity

The X Factor

The performance benefits of re-implanting without the hassle.



Gain the extra productivity that comes with re-implanting cattle without the hassle or risk.



Revalor-XS

(trenbolone acetate and estradiol extended-release implants)

Revalor-XH

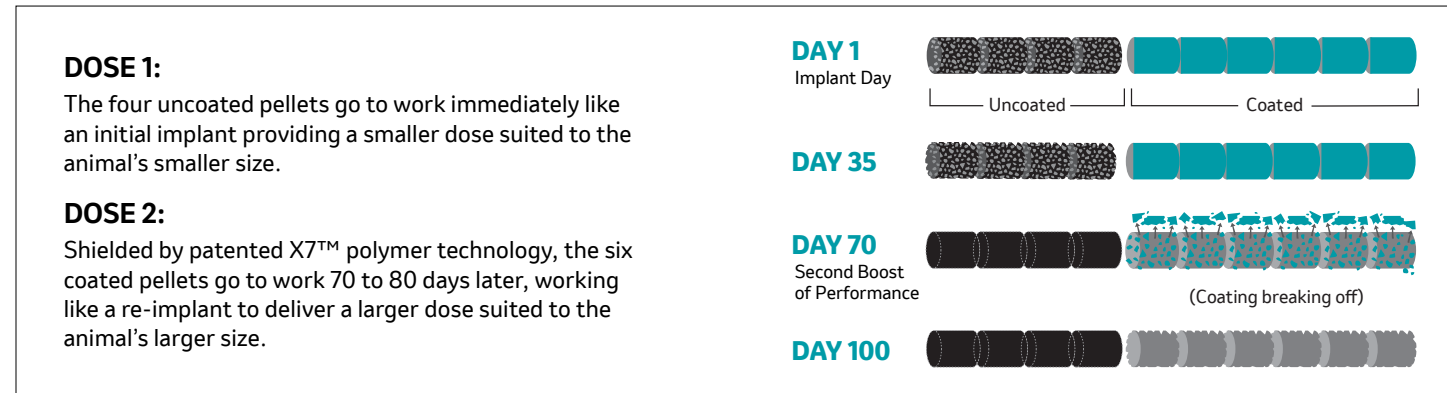
(trenbolone acetate and estradiol extended-release implants)

Two doses of high-performance growth. One simple labor-saving application.

With one-of-a-kind dual-release technology, REVALOR-XS and -XH implants are able to deliver two distinct doses in a single implant. That gives feedlot cattle the right dose they need when they need it with no added stress or loss of feed intake and no extra labor for producers. It all adds up to big gains in live and hot carcass weight over non-implanted cattle – and can even outperform re-implanting.^{1,2}

Two distinct doses in one implant.

REVALOR-XS and -XH deliver the proven performance of trenbolone acetate and estradiol in 10 pellets: four uncoated and six coated. It's the precise dosing your steers and heifers need to grow heavier over the entire finishing period without the need to re-implant.



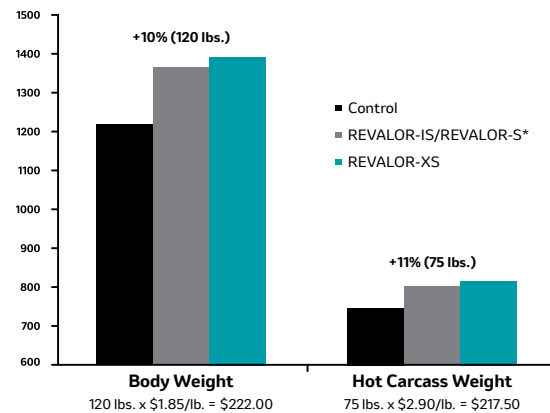
Gains that outperform re-implanting programs.

By meeting the animal's metabolic needs, REVALOR-XS and -XH deliver huge benefits wherever you sell cattle.^{1,2} All with a single application.

REVALOR-XS

- Additional 120 pounds live weight or 75 pounds in carcass weight average
- Outperformed re-implanting control*
- Specifically formulated for steers

More gains where it counts.^{1,2}

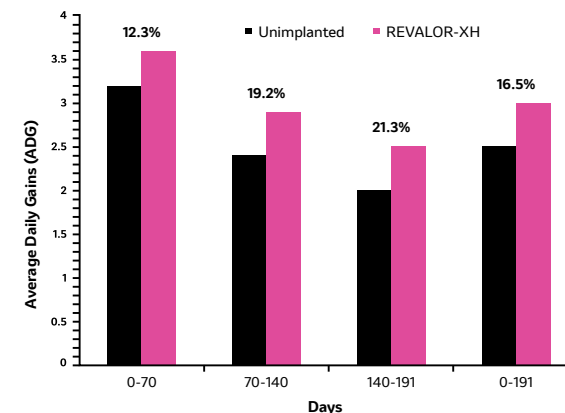


*REVALOR-IS and -S are not labeled for re-implanting under new guidance. Data provided for comparison purposes only.

REVALOR-XH

- Additional 83 pounds live weight and 59 pounds in carcass weight average
- Heifers gained more weight across the entire finishing period
- Specifically formulated for heifers

More growth during a critical period.¹

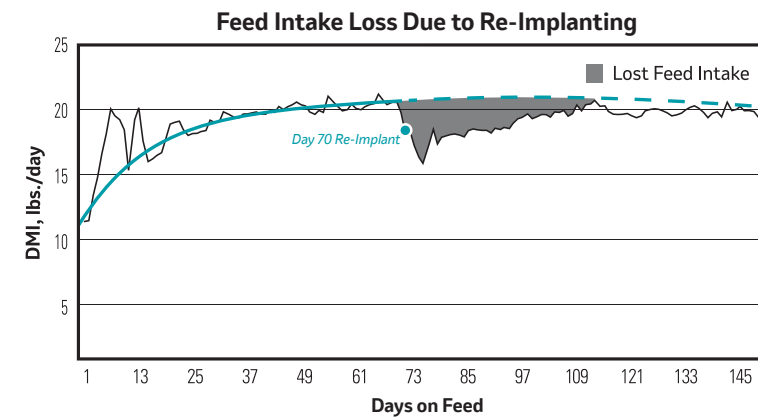


All of the gains. None of the hassle.

Re-implanting cattle has a number of downsides, including:

- Added stress and risk of injury to cattle
- Feed intake loss
- Additional time, labor and increased risk of injury to you or your staff
- Risk from weather

Re-implanting also comes with uncertainty. Since there's no way to know what will happen 90 days from now, there is the potential for missing the re-implant window or scheduled re-implant altogether due to weather, lack of labor or shifting priorities.



One thing we do know, is that it can result in a feed intake decrease that takes up to 38 days to return to pre-implanting levels and some cattle never fully recover.³

With REVALOR-XS and -XH, you don't have to worry because cattle don't have to be re-implanted. It's one and done.

REPROCESSING CAN LEAD TO
38 DAYS
OF DECREASED
FEED INTAKE



The implant that improves profitability in more ways than one.

While implants are proven to improve weight gain and feed efficiency, REVALOR®-XS and -XH (trenbolone acetate and estradiol extended-release implants) improve profitability even more by reducing the costs and risks that come with running cattle back through the chute.

Planning, labor, equipment costs⁴ Average estimated time = 102 minutes	\$0.62/head
Cost of serious injury⁴ One per 8,136 head 900-lb. feeder steer @ \$2.51/lb. (\$2,259) $\$2,259 \div 8,136 = \0.28	\$0.28/head
Cost of change in feed intake⁵ Re-implanted cattle had .53 lbs/head lower dry matter intake than cattle implanted with REVALOR-XH during the 22 days feed intake was disrupted (assuming 4 lbs. DMI for every 1 lb. of gain) 2.92 lbs. lost gain at \$1.80/lb.	\$5.25
Total Savings of NOT re-implanting (per head)	= \$6.15

Calculate what re-implanting costs you at today's market value.⁴

Planning, labor, equipment costs Estimate the amount of time spent handling multiplied by number of hands and hourly rate Add any rental or equipment costs Divide by number of head handled	Your Number Here
Cost of serious injury Estimate the cost of a 900-lb. feeder steer at today's market rate (cwt) Then, use your own data or divide by 8,136	Your Number Here
Cost of change in feed intake Multiply 1.10 lbs. lost gain by today's market rate (cwt)	Your Number Here
Cost of re-implanting	Add Numbers Above for Cost of Re-Implanting
Total cost of second implant	Add Cost of Second Implant



Place your REVALOR-XS and -XH order today.

Visit MAHCattle.com/REVALORXSXH to learn more, or scan the QR code using your phone.

¹Parr SL, et al. Dose and release pattern of anabolic implants affects growth of finishing beef steers across days on feed. *J Anim Sci.* 2011;89(3):863-873.

²Parr SL, et al. Performance of finishing beef steers in response to anabolic implant and zilpaterol hydrochloride supplementation. *J Anim Sci.* 2011;89(2):560-570.

³Study Number HR-25: Evaluation of Implants Containing Reduced-Dose Combinations of Trenbolone Acetate and Estradiol on Performance and Carcass Merit of Finishing Steers.

⁴Wallace JO, et al. The costs associated with reimplanting. *Proceedings Plains Nutr. Council Spring Conf.* 2008:132.

⁵Smith, ZK, et. al. Effects of a single initial and delayed release implant on arrival compared with a non-coated initial implant and a non-coated terminal implant in heifers fed across various days on feed. *Trans Anim Sci.* 2019;3(4):1182-1193.

REVALOR-XH IMPORTANT SAFETY INFORMATION: Not approved for repeated implantation (re-implantation) with this or any other cattle ear implant in growing beef heifers fed in confinement for 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. 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 in 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. Not for use in humans. Keep out of reach of children. For complete safety information, refer to the product label.

REVALOR-XS IMPORTANT SAFETY INFORMATION: 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 in 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. Not for use in humans. Keep out of reach of children. For complete safety information, refer to the product label.