
Animal Science

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GROWTH PROMOTING IMPLANTS FOR VARIOUS CLASSES OF CATTLE

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Implanting growing cattle with growth stimulants is a proven, profit increasing practice. Results of "on the farm demonstrations," carried out in Tennessee, showed that implanting suckling calves once produced an average of 21 lb. extra weight. Implanted grazing cattle gained 26 lb. more than did non-implanted ones (Lane, 1991).

Several growth promotants are available for implanting cattle. This fact sheet outlines information on current implants that can be used with suckling calves, growing cattle and feedlot cattle.

Generally, there are limited reproductive advantages to implanting heifers to be saved as replacements. Some implants are cleared for use with replacement heifers and state so on the label. Producers must read the label and follow the guidelines in regard to implanting replacement heifers.

All implants are to be placed subcutaneously in the middle third of the ear. Do not place implants at any other location in the ear. Follow label directions regarding implanting procedure.

Implanting should be part of the "total management program" carried out by feeder cattle producers. It's almost "like getting something for nothing," in that the cost is low and the pay-off is great.

References

Lane, Clyde D., Jr. 1991. Implants. TN 3050. Tennessee Beef Cow-Calf Handbook, Agricultural Extension Service, University of Tennessee.

McKinnon, Bill, 1996. Virginia Livestock Newsletter. Cooperative Extension Service, Virginia Polytechnic Institute and State University.

CATTLE GROWTH IMPLANTS
Suckling Calves

Implant	Company	Ingredient	Steer Restrictions	Heifer Restrictions**	Effective
Calf-oid	Pharmacia	100 mg Progesterone + 10 mg Estradiol benzoate	>45 days old <400 lbs Veal calves-NO	Refer to label Veal calves-NO	150 days
Compudose	Elanco	24 mg Estradiol benzoate	OK any age	NO	200 days
Ralgro	Schering-Plough	36 mg Zeranol	OK any age	Refer to label	100 days
Synovex C	Fort Dodge	100 mg Progesterone + 10 mg Estradiol benzoate	>45 days old <400 lbs Veal calves-NO	Refer to label, Veal calves-NO	150 days

**There is probably no reproductive advantage to implanting replacement heifers.

Growing Cattle
(Stockers & Backgrounders)

Compudose	Elanco	24 mg Estradiol benzoate	OK any age	Feedlot heifers only	200 days
Implus H	Pharmacia	200 mg Testosterone propionate + 20 mg Estradiol benzoate	Steers-NO	400 lbs + Replacements-No	150 days
Implus S	Pharmacia	200 mg Progesterone + 20 mg Estradiol benzoate	400 lbs +	Heifer-NO	150 days
Ralgro	Schering-Plough	36 mg Zeranol	OK	OK Replacements-NO	100 days
Revalor G	Hoechst- Roussel	40 mg Trenbolone Acetate + 8 mg Estradiol benzoate	OK	OK Replacements-NO	120 days
Synovex H	Fort Dodge	200 mg Testosterone Propionate + 20 mg Estradiol benzoate	Steers-NO	400 lbs + Replacements-NO	150 days
Synovex S	Fort Dodge	200 mg Progesterone + 20 mg Estradiol benzoate	400 lbs +	Heifers - NO	150 days

Feedlot Finishing Cattle

Compudose	Elanco	24 mg Estradiol benzoate	OK any age	Feedlot heifers only	200 days
Finiplix-H	Hoechst-Roussel	200 mg Trenbolone Acetate	Steers-NO	Heifers (Feedlot only)	150 days
Implus H	Pharmacia	200 mg Testosterone propionate + 20 mg Estradiol benzoate	Steers-NO	400 lbs +	150 days
Implus S	Pharmacia	200 mg Progesterone + 20 mg Estradiol benzoate	400 lbs +	Heifers-NO	150 days
Ralgro	Schering-Plough	36 mg Zeranol	OK	OK	100 days
Ralgro Magnum	Schering-Plough	72 mg Zeranol	600 lbs +	Heifers-NO	150 days
Revalor H	Hoechst-Roussel	140 mg Trenbolone Acetate + 14 mg Estradiol benzoate	Steers-NO	OK	150 days
Revalor S	Hoechst-Roussel	120 mg Trenbolone Acetate + 24 mg Estradiol benzoate	Feedlot only	Heifers-NO	150 days
Synovex H	Fort Dodge	200 mg Testosterone Propionate + 20 mg Estradiol benzoate	Steers-NO	400 lbs +	150 days
Synovex S	Fort Dodge	200 mg Progesterone + 20 mg Estradiol benzoate	400 lbs +	Heifers - NO	150 days

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