

202-Day Revalor[®]-XS vs. Revalor-IS Re-implanted with Revalor-S

Trial protocol consisted of:

- Study conducted in Colorado
- 1,033 head of cattle; 14 pens of approximately 74 head per pen
- Revalor[®]-IS (trenbolone acetate and estradiol) or Revalor-XS given on day 1 of trial
- Cattle initially implanted with Revalor-IS were re-implanted with Revalor-S on day 96
- Revalor-XS cattle were not removed from their pens on day 96
- No vaccine boosters were given

Table 1. Performance of steers implanted with Revalor-IS on day 1 followed by Revalor-S on day 96 compared to steers implanted with Revalor-XS.

Item	Revalor-XS	Revalor-IS/ Revalor-S	SEM	p-value
Pens	7	7		
Steers	517	516		
Days on feed	202	202		
Initial BW, lb	704	705	11	0.74
Live basis				
Final BW, lb ^a	1419	1412	15	0.52
DMI, lb/d	20.36 ^b	20.02 ^c	0.28	0.08
ADG, lb/d	3.54	3.50	0.06	0.48
F:G	5.76	5.73	0.08	0.73
Carcass basis				
Final BW, lb ^d	1424 ^b	1407 ^c	11	0.09
ADG, lb/d	3.56	3.46	0.05	0.14
F:G	5.72	5.78	0.08	0.42

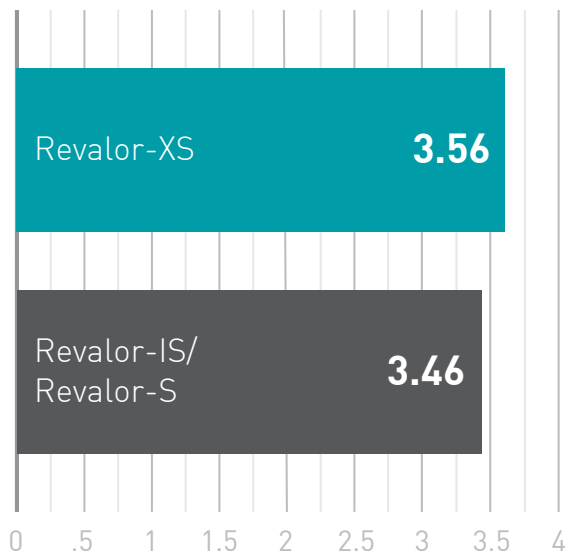
^a 4% pencil shrink was applied to full weight.

^{b,c} Treatments means are significantly different (P<.10).

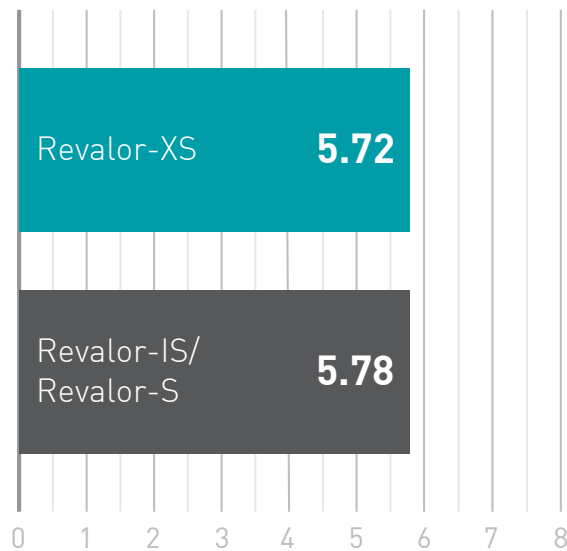
^d Final adjusted shrunk weight was calculated as pen hot carcass weight ÷ (overall dressing percent ÷ 100).

View Chart

ADG



F:G



Data displayed on carcass adjusted basis

Table 2. Carcass characteristics of steers implanted with either Revalor-IS on day 1 followed by Revalor-S on day 96 compared to steers implanted with Revalor-XS.

Item	Revalor-XS	Revalor-IS/ Revalor-S	SEM	p-value
Pens	7	7		
Steers	517	516		
Hot carcass weight, lb	921 ^b	910 ^c	7	0.09
Dressing percent	64.89	64.44	0.40	0.33
Ribeye area, sq. in. ^a	14.3	14.3	0.20	0.75
Ribeye area/cwt HCW ^a	1.56	1.59	0.02	0.28
Marbling score ^{a,b}	442	441	1.5	0.32
Rib fat, in. ^a	0.59	0.56	0.03	0.17
Average YG ^a	3.59	3.44	0.21	0.22
USDA Quality Grade, as a percentage of total				
Prime	1.7	0.70	-	0.20
Choice	64.5	62.8	-	0.62
Select	31.9	34.3	-	0.44
Standard	1.9	1.8	-	0.82
USDA Yield Grade, as a percentage of total				
YG 1	6.7	8.2	-	0.47
YG 2	27.8	29.7	-	0.71
YG 3	44.2	46.5	-	0.36
YG 4 and 5	21.3 ^c	15.6 ^d	-	0.05

^a Carcass data represented 4 of the 7 replications only 2 of the 7 possessed physical measured data, 4 of the 7 had camera-derived data.

^b Slight = 300 to 399, Small = 400 to 499, etc.

^{c,d} Treatments means are significantly different (P <0.10).

Summary

Revalor-XS steers had greater dry matter intake (P=0.08) and carcass adjusted final weight (P=0.09), but other measures of growth performance did not differ. Steers implanted with Revalor-XS had heavier (P=0.09) carcasses (11 lb). Steers implanted with Revalor-XS had a greater (P=0.05) number of Yield Grade 4 and 5 carcasses, but other carcass traits did not differ.

Conclusion

Revalor-XS steers had greater dry matter intake, final carcass adjusted live weight, carcass weight and greater number of USDA Yield Grade 4 and 5 carcasses when compared to a traditional implant/re-implant program of Revalor-IS/Revalor-S in steers fed for 202 days.

A withdrawal period has not been established for Revalor products in pre-ruminating calves. Do not use in calves to be processed for veal. For complete information, refer to product label.

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