

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

Trial protocol consisted of:

- Study conducted in Texas
- 1,887 head of cattle in 10 pens of approximately 90 head per pen
- Revalor[®]-IS (trenbolone acetate and estradiol) and Revalor-XS given on day 1 of trial
- Revalor-S re-implanted on day 97
- Revalor-XS cattle were not removed from their pens at re-implant time
- No vaccine boosters were given

Table 1. Performance of steers implanted with Revalor-IS on day 1 followed by Revalor-S on day 97 compared to steers implanted with Revalor-XS on day 1.

Item	Revalor-XS	Revalor-IS/ Revalor-S	p-value
Carcass adjusted basis^{1,2}			
Pens	10	10	
Steers	946	941	
Initial BW, lb	611	611	0.85
Final BW, lb	1359	1340	0.02
Total gain	748	729	0.08
DMI, lb/d	19.85	19.71	0.40
ADG, lb/d	3.80	3.70	0.02
F:G	5.23	5.33	0.06
Live basis³			
Final BW, lb	1357	1343	0.06
Total gain	746	732	0.08
ADG	3.78 ^a	3.72 ^b	0.08
F:G	5.25 ^c	5.30 ^d	0.17

View Chart

¹ Final BW shrunk 4%

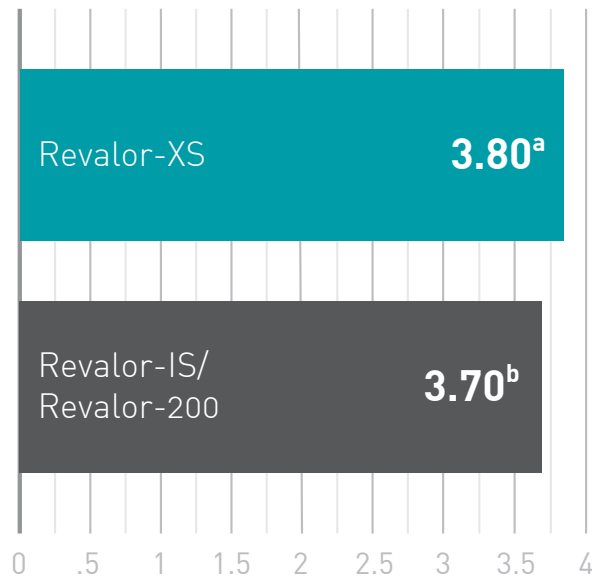
² Overall carcass performance calculated using hcw/(trial average dressing percent of 64.21%)

³ Overall live performance calculated from live BW on a pen basis collected prior to study initiation and on day of slaughter

^{a,b} Treatment means are significantly different (p=0.02)

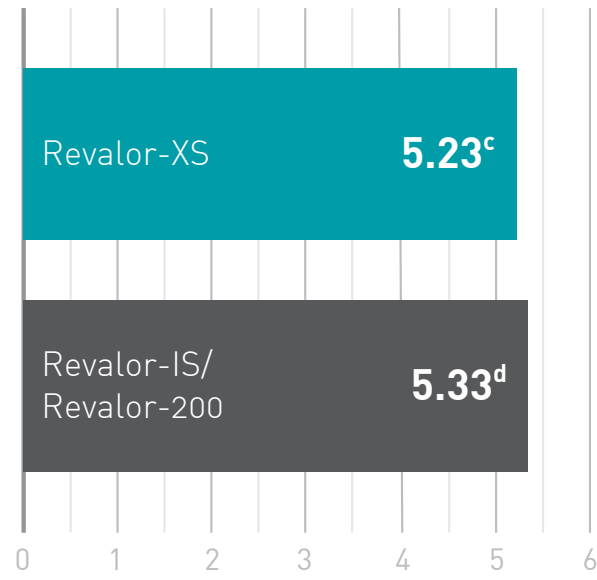
^{c,d} Treatment means are significantly different (p=0.06)

ADG



^{a,b} Treatment means are significantly different (p=0.02)

F:G



^{c,d} Treatment means are significantly different (p=0.06)

Data displayed on carcass adjusted basis

Table 2. Carcass characteristics of steers implanted with Revalor-IS on day 1 followed by Revalor-S on day 97 compared to steers implanted with Revalor-XS on day 1.

Item	Revalor-XS	Revalor-IS/ Revalor-S	p-value
Carcass characteristics			
Hot carcass weight, lb	873 ^a	861 ^b	0.02
Dressing percent	64.34	64.09	0.12
Marbling score ¹	447	439	0.25
Fat thickness, in.	0.62	0.62	0.74
Ribeye area, sq. in.	13.51	13.44	0.66
Ribeye area/cwt HCW	1.55	1.56	0.38
KPH fat, %	2.02	2.00	0.46
Calculated YG	3.37	3.33	0.51
USDA Quality Grade, as percentage of total			
Prime	3.1	2.6	1.00
Choice	71.4	71.6	1.00
Select	24.3	25.5	0.56
Standard	1.2	0.2	0.28
USDA Yield Grade, as percentage of total			
YG 1	3.1	3.4	0.76
YG 2	28.3	27.9	1.00
YG 3	50.0	49.4	1.00
YG 4	16.4	16.2	1.00
YG 5	2.2	3.2	0.56

View Chart

¹Marbling score 300 = Slight⁰⁰, 400 = Small⁰⁰, 500 = Moderate⁰⁰

^{a,b} Treatment means are significantly different (p=0.02)

Hot Carcass Weight, lb



^{a,b} Treatment means are significantly different (p=0.02)

Summary

Revalor-XS significantly improved final weight, total gain, and ADG in both live and carcass adjusted performance and significantly improved F:G on a carcass adjusted basis over the reimplant program of Revalor-IS/Revalor-S. Revalor-XS significantly increased hot carcass weight over Revalor-IS/Revalor-S. There were no differences in any other measured carcass trait between the two treatments.

Conclusion

Revalor-XS was superior to the re-implant program of Revalor-IS/Revalor-S in feedyard performance and hot carcass weight and demonstrated no differences in measured carcass characteristics in steers fed for 197 days.

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