184-Day Revalor®-XS vs. Revalor-IS Re-implanted with Revalor-200

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Trial protocol consisted of:

- Kansas trial location
- 745 head of cattle, 8 pens of approximately 93 head per pen
- Two implant treatments:
    - Revalor®-XS (trenbolone acetate and estradiol) on day 1
    - Revalor-IS on day 1 followed by Revalor-200 reimplanted on day 87
- No vaccine boosters were given

Table 1. Performance of steers implanted with Revalor-IS on day 1 followed by Revalor-200 on day 87 compared to steers implanted with Revalor-XS.

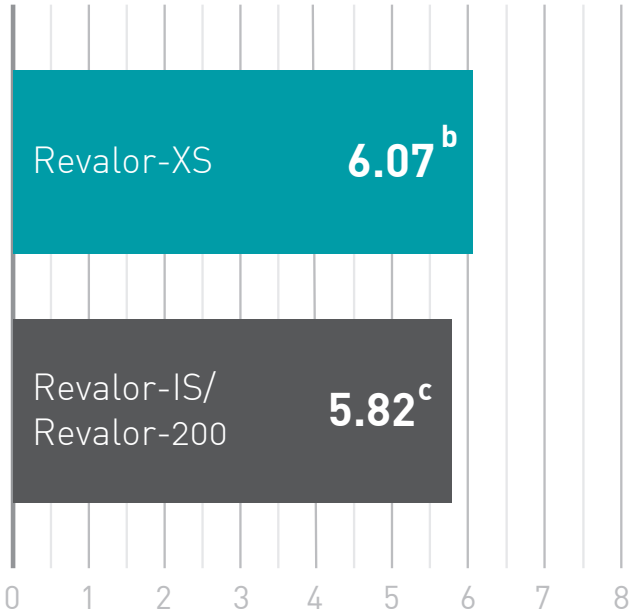
Item	Revalor-XS	Revalor-IS/ Revalor-200	SE	*p*-value
Pens	4	4		
Steers	372	373		
Days on feed	184	184		
Initial BW, lb	731	728	13	0.65
Live basis				
Final BW, lb[a]	1412	1430	26	0.29
DMI, lb/d	22.41	22.12	0.42	0.56
ADG, lb/d	3.70	3.81	0.13	0.18
F:G	6.07[b]	5.82[c]	0.12	0.005
Carcass basis				
Final BW, lb[d]	1412	1430	27	0.30
ADG, lb/d	3.70	3.81	0.14	0.16
F:G	6.07[b]	5.82[c]	0.13	0.02

View chart
View chart

[a] 4% pencil shrink was applied to full weight.
[b,c] Treatments means are significantly different (P<.05).
[d] Final adjusted shrunk weight adjusted to an average overall dressing percent of trial.

Table 1

F:G live basis



F:G carcass basis

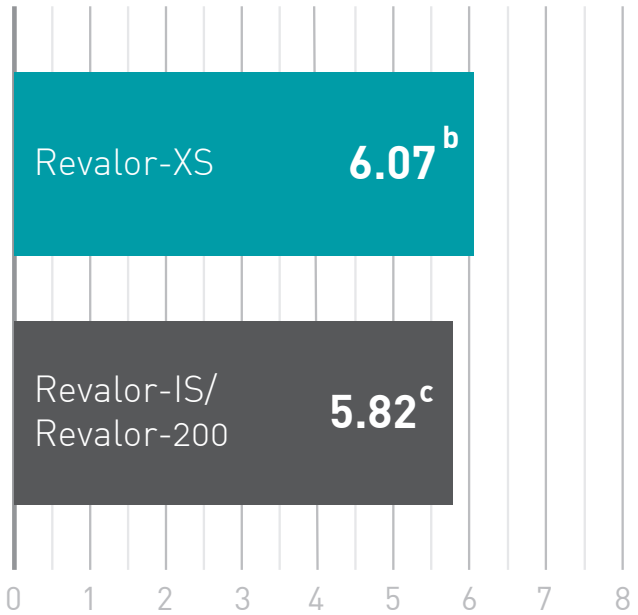


Table 2. Carcass characteristics of steers implanted with either Revalor-IS on day 1 followed by Revalor-200 on day 87 compared to steers implanted with Revalor-XS.

Item	Revalor-XS	Revalor-IS/ Revalor-200	SE	*p*-value
Pens	4	4		
Steers	372	373		
Hot carcass weight, lb	901	912	17	0.30
Dressing percent	63.8	63.8	0.14	0.92
Ribeye area/sq. in.	14.73	14.88	0.16	0.40
Ribeye area/cwt HCW	1.64	1.63	0.02	0.28
Marbling score[c]	448	435	18	0.11
Rib fat, in.	0.53	0.50	0.05	0.07
Empty body fat[d]	29.2[a]	28.7[b]	0.80	0.04
USDA Quality Grade, as a percentage of total				
Avg.+High Choice	24.4	20.7	-	0.32
Total Choice and Prime	67.8	63.9	-	0.19
Select	31.5	35.7	-	0.15
Standard	0.70	0.40	-	0.37
Dark cutter incidence	1.3	0.40	-	0.38
USDA Yield Grade, as a percentage of total				
YG 1	10.6	13.5	-	0.26
YG 2	36.7	36.1	-	0.81
YG 3	41.2	41.9	-	0.56
YG 4 and 5	11.5	8.5	-	0.13

[a,b] Treatments means are significantly different (P<.05).
[c] Slight = 300 to 390, Small = 400 to 490, etc.
[d] Calculated according to equations described by Guiroy et al. (2001; *Journal of Animal Science* 79:1983).

Summary

Dry matter intake and ADG on either a live or carcass basis were not altered by treatment (P<0.15). However, feed efficiency on either a live or carcass basis was improved by 4.1% (P<0.02) when steers were implanted with Revalor-IS followed by Revalor-200. Steers implanted with Revalor-XS tended (P=0.07) to have more fat cover, greater calculated empty body fat (P=0.04) and greater marbling score (P=0.11) than steers implanted with Revalor-IS followed by Revalor-200. These shifts in carcass fatness were not manifested in changes in either quality or yield grade distributions.

Conclusion

Implanting steers fed for 184 days with Revalor-IS followed by Revalor-200 improved feed efficiency, reduced empty body fat and back fat with a slight decrease in marbling score when compared to Revalor-XS.

A withdrawal period has not been established for Revalor 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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