

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

Trial protocol consisted of:

- Kansas trial location
- 745 head of cattle, 8 pens of about 93 head per pen
- Two implant treatments:
 - Revalor-XS on day 1
 - Revalor-IS on day 1 followed by Revalor-200 reimplanted on day 87
- No vaccine boosters were given

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 ($P=.11$) 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.

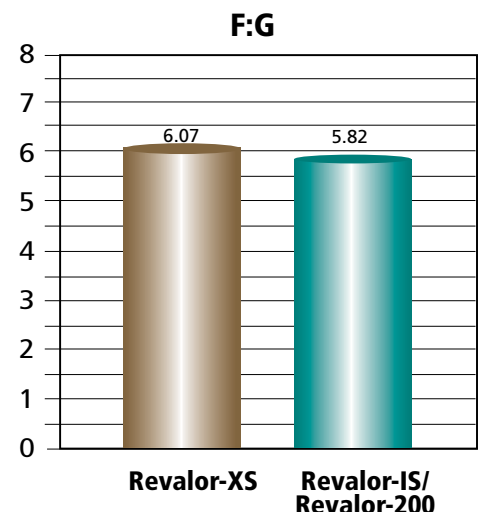
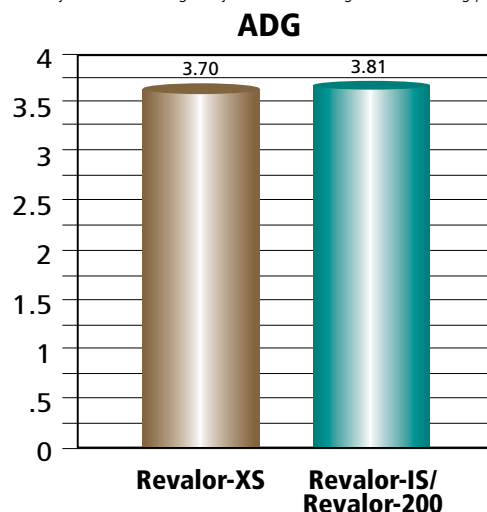
Table 1. Performance of steers implanted with Revalor-IS on day 1 followed by Revalor-200 on day 87 compared to steers implanted with Revalor-XS.

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	.65
Live basis				
Final BW, lb ^a	1412	1430	26	.29
DMI, lb/d	22.41 ^b	22.12 ^c	.42	.56
ADG, lb/d	3.70	3.81	.13	.18
F:G	6.07 ^b	5.82 ^c	.12	.005
Carcass basis				
Final BW, lb ^d	1412 ^b	1430 ^c	27	.30
ADG, lb/d	3.70	3.81	.14	.16
F:G	6.07 ^b	5.82 ^c	.13	.02

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

^{b, c} Treatments means are significantly different ($P<0.05$).

^d Final adjusted shrunk weight adjusted to an average overall dressing percent of trial.



Data displayed on carcass adjusted basis.

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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	.30
Dressing percent	63.8	63.8	.14	.92
REA, in ²	14.73	14.88	.16	.40
REA/100 lb carcass weight	1.64	1.63	.02	.28
Marbling score ^c	448	435	18	.11
Rib fat, in	.53	.50	.05	.07
Empty body fat ^d	29.2 ^a	28.7 ^b	.80	.04
USDA Quality Grade, as a percentage of total				
Avg. +High Choice	24.4	20.7	-	.32
Total Choice and Prime	67.8	63.9	-	.19
Select	31.5	35.7	-	.15
Standard	.70	.40	-	.37
Dark cutter incidence	1.3	.40	-	.38
USDA Yield Grade, as a percentage of total				
YG 1	10.6	13.5	-	.26
YG 2	36.7	36.1	-	.81
YG 3	41.2	41.9	-	.56
YG 4 and 5	11.5	8.5	-	.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).

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 this product 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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