

161 Day Revalor[®]-XS vs. Revalor[®]-IS re-implanted with Revalor[®]-S

Trial protocol consisted of:

- Study conducted in Idaho
- 1,241 head of cattle; 14 pens of approximately 90 head per pen
- Revalor-IS and Revalor-XS given on day 1 of trial
- Revalor-S re-implanted on day 80
- Revalor-XS cattle were not removed from their pens on day 80
- No vaccine boosters were given

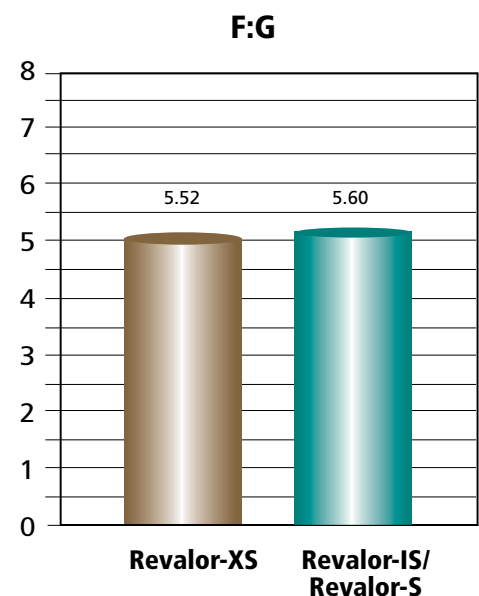
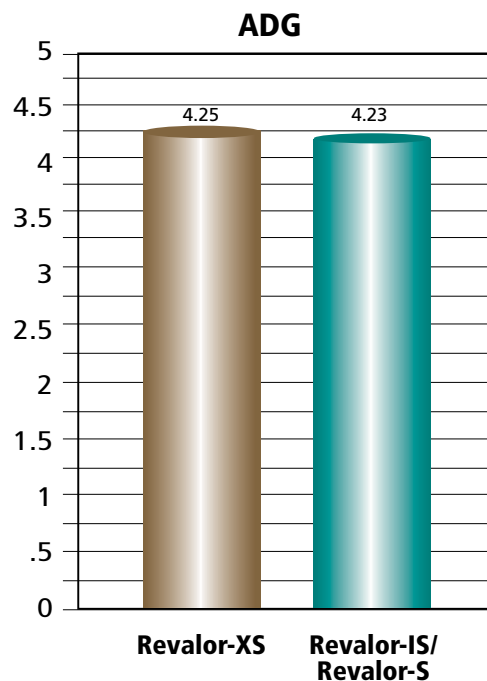
Table 1. Performance of steers implanted with Revalor-IS on day 1 followed by Revalor-S on day 80 compared to steers implanted with Revalor-XS.

	Revalor-XS	Revalor-IS/ Revalor-S	SEM	P-Value
Pens	7	7		
Steers	623	618		
Days on feed	161	161		
Initial BW, lb	725	724	5	.69
Live basis				
Final BW, lb ^a	1,407	1,404	18	.61
DMI, lb/d	23.44	23.68	.34	.13
ADG, lb/d	4.25	4.23	.09	.68
F:G	5.52 ^b	5.60 ^c	.04	.01
Carcass basis				
Final BW, lb ^d	1,407	1,404	20	.70
ADG, lb/d	4.24	4.23	.10	.77
F:G	5.53 ^a	5.60 ^b	.05	.10

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

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

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



Data displayed on carcass adjusted basis.

161 Day Revalor®-XS vs. Revalor®-IS re-implanted with Revalor®-S

Table 2. Carcass characteristics of steers implanted with Revalor-IS on day 1 followed by Revalor-S on day 80 compared to steers implanted with Revalor-XS.

	Revalor-XS	Revalor-IS/ Revalor-S	SEM	P-value
Pens	7	7		
Steers	623	618		
Hot carcass weight, lb	889	888	12	.70
Dressing percent	63.20	63.24	.10	.80
REA, in ²	13.73	13.70	.13	.83
REA/100 lb carcass weight	1.54	1.54	.01	.99
Marbling score ^a	437	433	6	.49
KPH, %	3.0	3.0	.1	.88
Rib fat, in	.65	.66	.02	.74
Average yield grade	3.72	3.74	.09	.82
Empty body fat, % ^b	31.8	31.8	.4	.95
USDA Quality Grade, as percentage of total				
Average choice	19.2	16.3	-	.24
Low choice	48.8	49.5	-	.77
Select	29.2	32.7	-	.26
Standard	2.5	1.2	-	.14
USDA Yield Grade, as percentage of total				
YG 1	.7	1.1	-	.56
YG 2	16.4	17.2	-	.77
YG 3	49.6	47.5	-	.47
YG 4 and 5	33.3	34.2	-	.67

^aSlight = 300 to 399, Small = 400 to 499, etc.

^bCalculated according to equations described by Guioy et al. (2001; Journal of Animal Science 79:1983).

Summary

Revalor-XS improved feed efficiency on a live basis (P=0.01) and on a carcass adjusted basis (P=0.10) compared to steers implanted with Revalor-IS then re-implanted with Revalor-S and fed for 161 days. There were no differences in carcass measurements, quality grade and yield grade distribution among treatments.

Conclusion

Revalor-XS improved feed efficiency both on a live and carcass adjusted basis when compared to a traditional implant/re-implant program of Revalor-IS/Revalor-S in steers fed for 161 days.

Not for use in veal calves.

56 Livingston Avenue • Roseland, NJ 07068 • intervetusa.com • 800-521-5767 • 2/10 Part #BV-REV-37808-161d

Revalor is property of Intervet International B.V. or affiliated companies or licensors and is protected by copyrights, trademark and other intellectual property laws. Copyright © 2010 Intervet International B.V. All rights reserved.