

# 140 Day Revalor<sup>®</sup>-XS vs. Revalor<sup>®</sup>-S In Feedlot Steers

## Trial protocol consisted of:

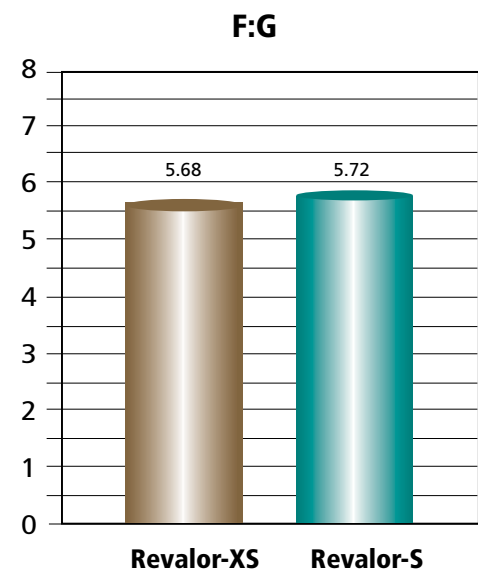
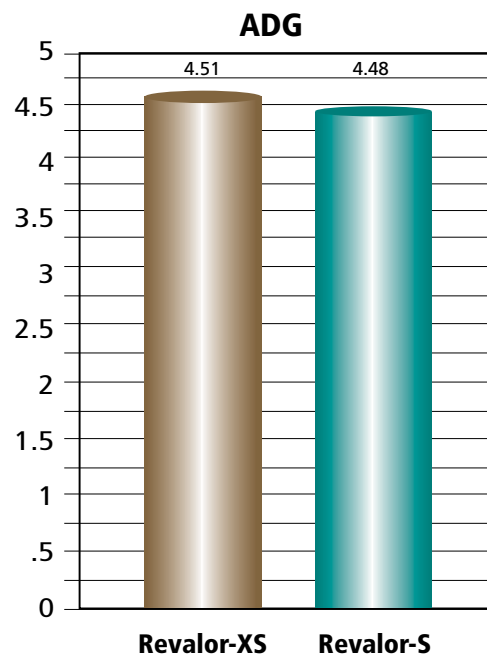
- Study conducted in Idaho
- 1,240 head of cattle; 14 pens of approximately 90 head per pen
- Revalor-S and Revalor-XS given on day 1 of trial
- Revalor-XS and Revalor-S cattle were not removed from their pens
- No vaccine boosters were given

Table 1. Performance of steers implanted with Revalor-S compared to steers implanted with Revalor-XS.

	Revalor-XS	Revalor-S	SEM	P-Value
Pens	7	7		
Steers	618	622		
Days on Feed	140	140		
Initial BW (lb)	827	828	3	.36
<b>Live basis</b>				
Final BW (lb) <sup>a</sup>	1,456	1,454	10	.56
DMI (lb/d)	25.62	25.64	.28	.91
ADG (lb/d)	4.51	4.48	.06	.38
F:G	5.68	5.72	.04	.55
<b>Carcass basis</b>				
Final BW (lb) <sup>b</sup>	1,456	1,454	11	.63
ADG (lb/d)	4.51	4.48	.06	.46
F:G	5.68	5.72	.05	.63

<sup>a</sup>A 4% pencil shrink was applied to full weight.

<sup>b</sup>Final adjusted shrunk weight was calculated as pen hot carcass weight ÷ (overall dressing percent ÷ 100).



Data displayed on carcass adjusted basis.

# 140 Day Revalor<sup>®</sup>-XS vs. Revalor<sup>®</sup>-S

Table 2. Carcass characteristics of steers implanted with either Revalor-XS or Revalor-S on day 1.

	Revalor-XS	Revalor-S	SEM	P-value
Pens	7	7		
Steers	618	622		
Hot carcass weight, lb	911	909	7	.63
Dressing percent	62.52	62.53	.12	.98
REA, in <sup>2</sup>	13.96	13.91	.13	.74
REA/100 lb carcass weight	1.53	1.53	.01	.82
Marbling score <sup>a</sup>	423	420	6	.60
KPH, %	2.7	2.6	.1	.14
Rib fat, in	.63 <sup>b</sup>	.66 <sup>c</sup>	.02	.09
Average yield grade	3.59	3.68	.05	.19
Empty body fat, % <sup>b</sup>	31.5	31.9	.3	.15
<b>USDA Quality Grade, as percentage of total</b>				
Average choice	14.3	12.2	-	.27
Low choice	44.2	42.6	-	.85
Select	39.3	42.5	-	.43
Standard	2.2	2.4	-	.84
<b>USDA Yield Grade, as percentage of total</b>				
YG 1	1.7	1.7	-	.99
YG 2	17.9	15.1	-	.27
YG 3	52.6	50.7	-	.70
YG 4 and 5	27.8	32.5	-	.16

<sup>a</sup>Slight = 300 to 399, Small = 400 to 499, etc.

<sup>b,c</sup>Treatments means are significantly different (P<0.10).

<sup>d</sup>Calculated according to equations described by Guiroy et al. (2001; Journal of Animal Science 79:1983).

## Summary

There were no differences in any measures of growth performance between Revalor-XS and Revalor-S during the 140-day feeding period. Steers implanted with Revalor-S tended (P=0.09) to have greater 12th-rib fat cover than steers implanted with Revalor-XS. All other carcass measurements, yield grade and quality grade distribution did not differ among treatments.

## Conclusion

Revalor-XS was equal in both growth performance and carcass measurements to an implant program of Revalor-S in steers fed for 140 days.

Not for use in veal calves.

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