



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

### **Trial protocol consisted of:**

- Study conducted in Idaho
- 1,240 head of cattle; 14 pens of approximately 90 head per pen
- Revalor<sup>®</sup>-S (trenbolone acetate and estradiol) or 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.

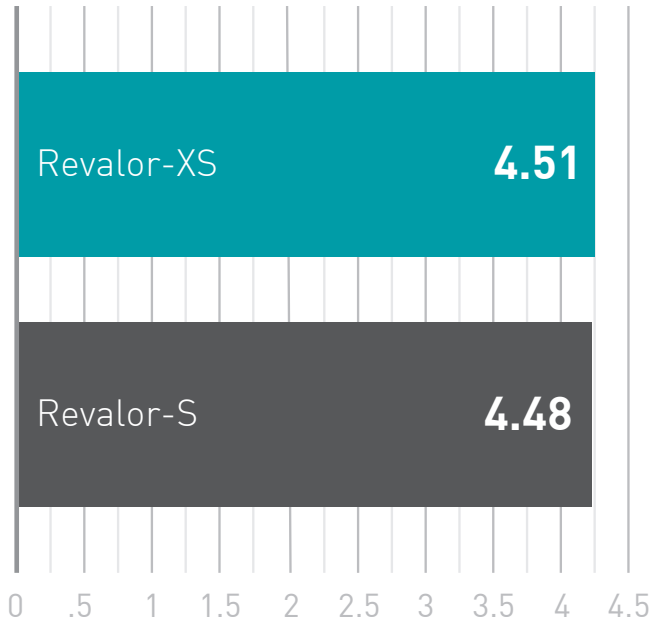
Item	Revalor-XS	Revalor-S	SEM	p-value
Pens	7	7		
Steers	618	622		
Days on feed	140	140		
Initial BW, lb	827	828	3	0.36
<b>Live basis</b>				
Final BW, lb <sup>a</sup>	1456	1454	10	0.56
DMI, lb/d	25.62	25.64	0.28	0.91
ADG, lb/d	4.51	4.48	0.06	0.38
F:G	5.68	5.72	0.04	0.55
<b>Carcass basis</b>				
Final BW, lb <sup>b</sup>	1456	1454	11	0.63
ADG, lb/d	4.51	4.48	0.06	0.46
F:G	5.68	5.72	0.05	0.63

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

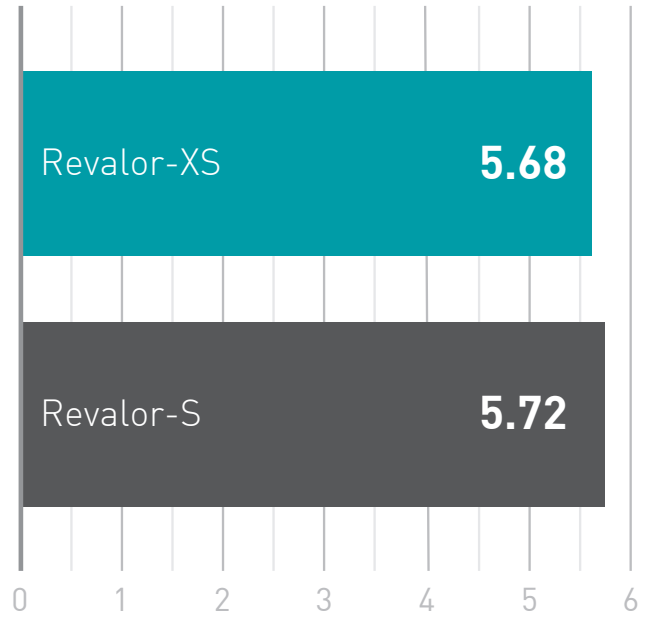
<sup>b</sup>Final adjusted shrunk weight was calculated as pen hot carcass weight ÷ (overall dressing percent ÷ 100).

View Chart

### ADG



### F:G



Data displayed on carcass adjusted basis

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

Item	Revalor-XS	Revalor-S	SEM	p-value
Pens	7	7		
Steers	618	622		
Hot carcass weight, lb	911	909	7	0.63
Dressing percent	62.52	62.53	0.12	0.98
Ribeye area, sq. in.	13.96	13.91	0.13	0.74
Ribeye area/cwt HCW	1.53	1.53	0.01	0.82
Marbling score <sup>a</sup>	423	420	6	0.60
KPH fat, %	2.7	2.6	0.10	0.14
Rib fat, in.	0.63 <sup>b</sup>	0.66 <sup>c</sup>	0.02	0.09
Average YG	3.59	3.68	0.05	0.19
Empty body fat, % <sup>b</sup>	31.5	31.9	0.30	0.15
<b>USDA Quality Grade, as percentage of total</b>				
Average Choice	14.3	12.2		0.27
Low Choice	44.2	42.6		0.85
Select	39.3	42.5		0.43
Standard	2.2	2.4		0.84
<b>USDA Yield Grade, as percentage of total</b>				
YG 1	1.7	1.7		0.99
YG 2	17.9	15.1		0.27
YG 3	52.6	50.7		0.70
YG 4 and 5	27.8	32.5		0.16

<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.

A withdrawal period has not been established for Revalor products 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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