

# 243 day Revalor<sup>®</sup>-XS vs. Revalor<sup>®</sup>-IS re-implanted with Revalor<sup>®</sup>-S

## Trial protocol consisted of:

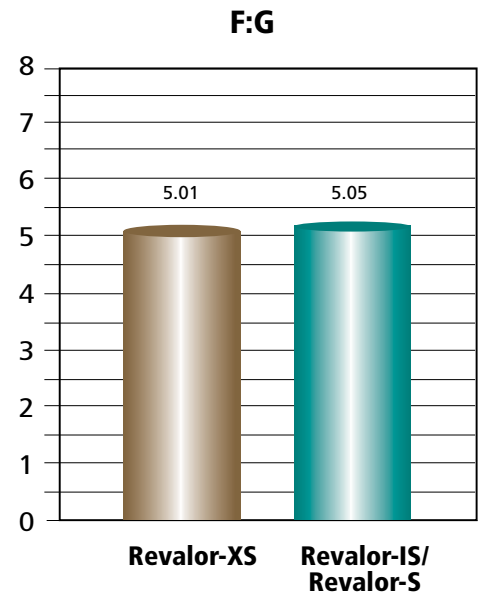
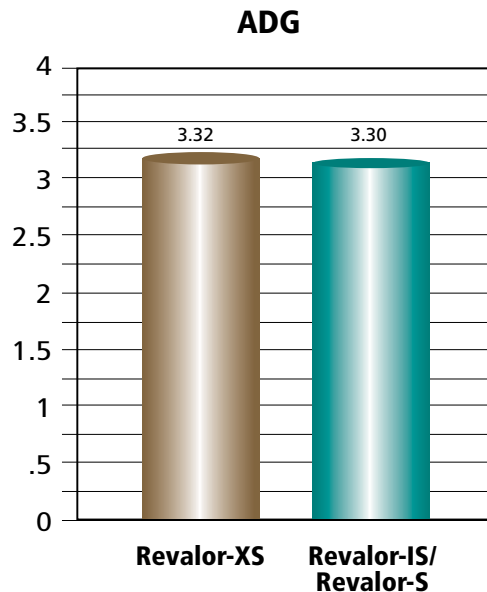
- Oklahoma trial location
- 1,098 head of cattle; 16 pens of 68 head per pen
- Revalor-IS and Revalor-XS given on day 1 of trial
- Revalor-S re-implanted on day 70
- Revalor-XS cattle were not removed from their pens on day 70
- No vaccine boosters were given

Table 1. Feedlot performance of steers implanted with Revalor-IS on day 1 followed by Revalor-S on day 70 compared with steers implanted with Revalor-XS on day 1.

	Revalor-XS	Revalor-IS/ Revalor-S	CV	P-Value
Pens	8	8		
Steers	546	552		
Days on Feed	243	243		
Initial BW	525	525	0.42	0.52
<b>Live Basis</b>				
Final BW <sup>a</sup>	1,297	1,294	0.58	0.47
DMI	16.61	16.66	1.06	0.56
ADG	3.19	3.17	0.99	0.48
F:G	5.22	5.26	1.6	0.39
<b>Carcass Basis</b>				
Final BW <sup>b</sup>	1,330	1,324	0.64	0.23
ADG	3.32	3.30	1.13	0.35
F:G	5.01	5.05	1.52	0.30
<b>Health Data</b>				
BRD Mortality	1.63	2.12	97.9	.61
BRD Morbidity	49.7	50.6	11.2	.75
Buller %	1.14	.97	99.5	.75

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

<sup>b</sup> Final adjusted shrunk weight adjusted to an average dressing percent of 63.5%.



Data displayed on carcass adjusted basis.

# 243 day Revalor<sup>®</sup>-XS vs. Revalor<sup>®</sup>-IS re-implanted with Revalor<sup>®</sup>-S

Table 2. Carcass characteristics of steers implanted with Revalor-IS on day 1 followed by Revalor-S on day 70 compared with steers implanted with Revalor-XS on day 1.

	Revalor-XS	Revalor-IS/ Revalor-S	CV	P-value
Number of Pens	8	8		
Steers	545	551		
Hot Carcass Weight, lb	844	841	0.64	0.22
Dressing Percent	65.10	64.98	0.49	0.49
Ribeye Area, in <sup>2</sup>	13.57 <sup>a</sup>	13.40 <sup>b</sup>	1.08	0.04
Ribeye Area/cwt HCW	1.61	1.59	1.19	0.16
Marbling Score <sup>e</sup>	437	428	2.55	0.14
Fat Depth	.57	.55	5.39	0.13
Calculated YG	3.51	3.54	4.40	.71
<b>Quality Grade Distribution</b>				
Prime	0.0	.37	262.3	0.17
Upper Choice	3.01	3.76	77.1	0.58
Mid Choice	20.34 <sup>a</sup>	14.69 <sup>b</sup>	24.8	0.04
Total Choice	68.83 <sup>a</sup>	61.06 <sup>b</sup>	6.4	<0.01
Select	30.44 <sup>a</sup>	36.94 <sup>b</sup>	11.9	0.01
Standard	.73 <sup>c</sup>	1.64 <sup>d</sup>	76.3	0.09
Dark Cutter Incidence, %	.55	.19	200.9	.36
<b>Yield Grade Distribution</b>				
YG 1	6.84	4.84	61.5	0.30
YG 2	22.68 <sup>a</sup>	28.68 <sup>b</sup>	19.3	0.05
YG 3	43.78 <sup>a</sup>	35.76 <sup>b</sup>	11.5	<0.01
YG 4	17.96	20.27	21.9	0.30
YG 5	8.74	10.45	44.9	0.45

<sup>a,b</sup> Treatment means are significantly different (P<0.05).

<sup>c,d</sup> Treatment means are significantly different (P<0.10).

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

## Summary

Revalor-XS and Revalor-IS followed by a re-implant of Revalor-S groups did not differ for any measurements of growth performance over the 243-day feeding period. Revalor-XS steers had a greater (P<0.05) percentage of carcasses grading average and total Choice and a lower percentage grading Select when compared with Revalor-IS followed by Revalor-S re-implant program. Steers implanted with Revalor-XS had greater (P<0.05) USDA Yield Grade 3 and fewer USDA Yield Grade 2 carcasses compared to Revalor-IS followed by Revalor-S re-implant program.

## Conclusion

Revalor-XS had a greater percentage of Choice and fewer Select carcasses with equal growth performance when compared with a traditional implant/re-implant program of Revalor-IS/Revalor-S in steers fed for 243 days.

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 packaging insert.

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