



**160 Day Revalor<sup>®</sup>-XS vs.  
Revalor-IS Re-implanted  
with Revalor-S**

**Trial protocol consisted of:**

- Nebraska trial location
- 1,342 head of cattle in 16 pens of 84 head per pen
- Revalor<sup>®</sup>-IS (trenbolone acetate and estradiol) 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.** Feedyard performance of steers implanted with Revalor-IS on day 1 followed by Revalor-S on day 80 compared to steers implanted with Revalor-XS on day 1.

Item	Revalor-XS	Revalor-IS/ Revalor-S	SEM	p-value
<b>Carcass adjusted performance<sup>a,b</sup></b>				
Pens	8	8		
Steers	671	671		
Initial BW, lb	701	700	18.0	0.90
Final BW, lb	1347	1345	14.2	0.90
DMI, lb/d	24.0	24.0	0.39	0.96
ADG, lb/d	4.15	4.14	0.05	0.94
F:G	5.79	5.79		0.96 <sup>c</sup>
<b>Live performance<sup>d</sup></b>				
Final BW, lb	1327	1320	15.3	0.67
ADG, lb/d	4.01	3.98	0.06	0.67
F:G	5.98	6.03		0.54

<sup>a</sup> Final BW shrunk 4%

<sup>b</sup> Overall carcass performance calculated using 64% dressing percentage for both treatments

<sup>c</sup> P-value calculated from G:F

<sup>d</sup> Overall live performance calculated from live BW on a pen basis collected prior to study initiation and on day of slaughter

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

Item	Revalor-XS	Revalor-IS/ Revalor-S	SEM	p-value
<b>Carcass characteristics</b>				
Hot carcass weight, lb	854	850	9.90	0.96
Marbling score	532	534	8.32	0.86
Fat depth, in.	0.62	0.63	0.04	0.95
Ribeye area, sq. in.	14.1	14.1	0.43	0.78
Calculated YG <sup>b</sup>	3.40	3.40	0.20	0.97

<sup>a</sup> 450=Slight<sup>50</sup>, 500=Small<sup>0</sup>, 540=Small<sup>40</sup>, etc.

<sup>b</sup> Calculated as  $2.5 + (2.5 * \text{Fat Depth}) - (0.32 * \text{REA}) + (0.2 * \text{KPH}) + (0.0038 * \text{HCW})$

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

Item	Revalor-XS	Revalor-IS/ Revalor-S	p-value
<b>USDA Quality Grade, as percentage of total</b>			
Prime	0.75	1.50	0.20
Upper Choice	3.47	4.80	0.22
Mid Choice	12.97	13.04	0.97
Low Choice	58.37	50.22	0.002
Select	23.68	29.99	0.01
Standard	0.75	0.45	0.47
Choice or >	75.57 <sup>a</sup>	69.57 <sup>b</sup>	0.01
Select or <	24.43 <sup>a</sup>	30.43 <sup>b</sup>	0.01
<b>USDA Yield Grade, as percentage of total</b>			
YG 1	1.66	1.20	0.48
YG 2	10.29	11.84	0.37
YG 3	40.54	38.98	0.56
YG 4	37.52	40.48	0.27
YG 5	9.98	7.50	0.11

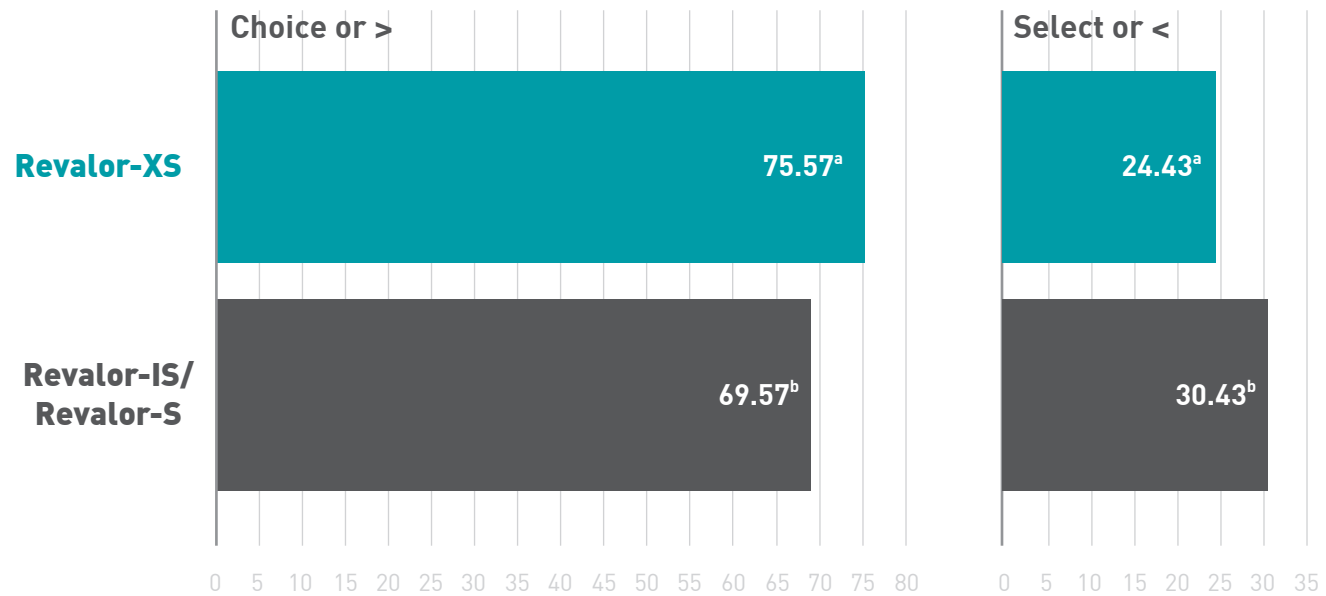
View Chart

<sup>a, b</sup> Treatments means are significantly different (p=0.01).

Table 2a

Quality Grade Chart

## USDA Quality Grade, as percentage of total



<sup>a, b</sup>Treatments means are significantly different ( $p=0.01$ ).

## Summary

This study showed no statistical difference for total gain, average daily gain, feed intake and feed efficiency between a Revalor-XS treatment and Revalor-IS initial dose followed by a Revalor-S terminal dose at 80 days. Revalor-XS produced more Choice and higher carcasses than the Revalor-IS/S treatment by 6 percentage units at  $P=0.0142$ .

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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