

214 Day Revalor[®]-XS vs. Revalor[®]-IS Re-implanted with Revalor[®]-S

Trial protocol consisted of:

- Idaho trial location
- 2,147 head of cattle, 28 pens of about 77 head per pen
- Two implant treatments:
 - Revalor-XS on day 1
 - Revalor-IS on day 1 and Revalor-S re-implanted on day 140
- No vaccine boosters were given
- All cattle were weighed at 70 day, 140 day and 174 day intervals

Summary

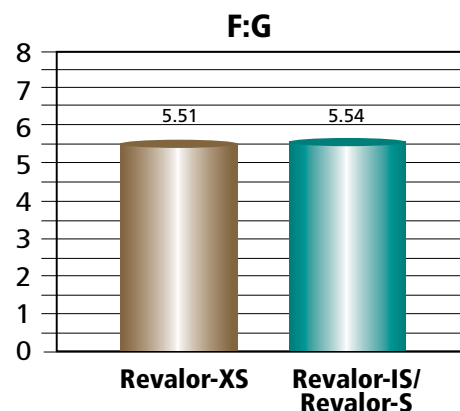
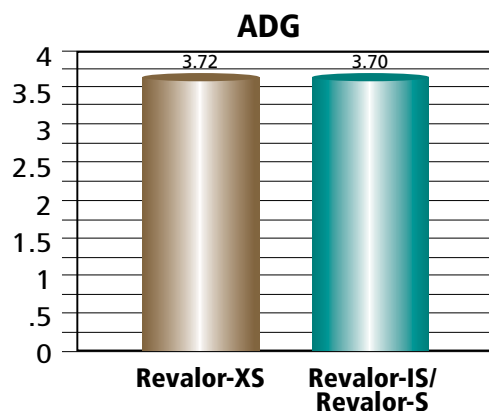
Groups given Revalor-XS and groups given Revalor-IS followed by Revalor-S did not differ for any measurements of growth performance over the 214 day feeding period. There were no differences between Revalor-XS and Revalor-IS/Revalor-S for any carcass traits measured.

Table 1. Performance of steers implanted with either Revalor-IS on day 1 followed by Revalor-S on day 140 compared to steers implanted with Revalor-XS.

Item	Revalor-XS	Revalor-IS/ Revalor-S	SE	P-value
Pens	14	14		
Steers	1073	1074		
Days on feed	214	214		
Initial BW, lb	549	549	7	.43
Live basis				
Final BW, lb ^a	1343	1342	10	.70
DMI, lb/d	20.47 ^b	20.46 ^c	.18	.97
ADG, lb/d	3.71	3.70	.05	.62
F:G	5.30	5.31	.04	.89
Carcass basis				
Final BW, lb ^d	1344 ^b	1341 ^c	11	.46
ADG, lb/d	3.72	3.70	.05	.44
F:G	5.51	5.54	.05	.35
Health data				
Morbidity, %	33.7	31.3	-	.21
Mortality, %	1.01	.65	-	.36
Railers, %	5.4	6.6	-	.21

^a 4% pencil shrink was applied to full weight; ^{b, c} Treatments means are significantly different (P<.05).

^d Final adjusted shrunk weight adjusted to an average overall dressing percent of trial.



Data displayed on carcass adjusted basis.

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Table 2. Carcass characteristics of steers implanted with either Revalor-IS on day 1 followed by Revalor-S on day 140 compared to steers implanted with Revalor-XS.

Item	Revalor-XS	Revalor-IS/ Revalor-S	CV	P-value
Pens	14	14		
Steers	1073	1074		
Hot carcass weight, lb	852 ^a	850 ^b	7	.48
Dressing percent	63.4	63.3	.10	.33
REA, in ²	13.92	13.84	.26	.35
REA/100 lb carcass weight	1.63	1.63	.02	.63
Marbling score ^c	452	455	8	.38
Rib fat, in	.56 ^{ab}	.56 ^{ab}	.03	.89
KPH, %	3.00	3.00	.09	.51
Empty body fat, % ^d	29.6	29.7	.40	.86
USDA Quality Grade, as a percentage of total				
Avg+High Choice	22.5	25.4	-	.14
Total Choice and Prime	71.5	72.8	-	.50
Select	28.2	26.5	-	.37
Standard	.29	.70	-	.43
USDA Yield Grade, as a percentage of total				
YG 1	6.6	7.2	-	.58
YG 2	29.9	26.9	-	.13
YG 3	43.8	47.1	-	.14
YG 4 and 5	19.7 ^a	18.7 ^b	-	.63

Table 3. Interim growth performance by steer calves implanted with Revalor-IS followed by Revalor-S on day 140 or with Revalor-XS on day 1 only.

Item	Revalor-XS	Revalor-IS/S	SE	P-value
Day 1 to 69				
DMI, lb/d	16.52	16.45	.33	.78
ADG, lb/d	3.95	3.95	.05	.95
Feed efficiency	4.19	4.17	.07	.54
Day 70 to 139				
DMI, lb/d	21.72	21.54	.29	.54
ADG, lb/d	4.05 ^a	3.83 ^b	.05	.001
F:G	5.36 ^a	5.62 ^b	.06	.02
Day 140 to 174				
DMI, lb/d	21.76	21.33	.25	.19
ADG, lb/d	3.90 ^a	4.07 ^b	.04	.01
F:G	5.59 ^a	5.24 ^b	.08	.01
Day 175 to end				
DMI, lb/d	22.80	23.04	.27	.12
ADG, lb/d	3.45	3.56	.09	.28
F:G	6.64	6.50	.12	.43
Day 1 to 214				
DMI, lb/d	20.47	20.46	.18	.97
ADG, lb/d	3.71	3.70	.05	.62
F:G	5.30	5.31	.04	.89

^{a,b} Treatments means are significantly different (P<.05).

^c Slight = 300 to 390, Small = 400 to 490, etc.

^d Calculated according to equations described by Guiroy et al. (2001; *Journal of Animal Science* 79:1983).

Conclusion

Revalor-XS had equal growth performance and carcass characteristics when compared to a traditional implant/re-implant program of Revalor-IS/Revalor-S in steers fed for 214 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 product label.

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