



Trial protocol consisted of:

- Western Canada trial location
- 971 head of crossbred steers, 20 pens of about 50 head per pen
- Two implant treatments:
 - Revalor-XS on day 1
 - Synovex-Choice on day 1 and Synovex-Choice re-implanted on day 100
- Cattle were fed for 196 days
- Cattle were harvested in United States

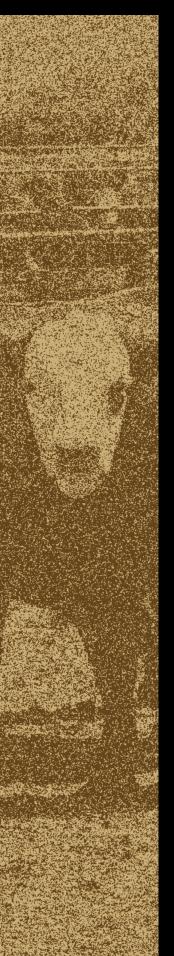
Summary

Steers implanted with Revalor-XS gained weight more (P<.05) rapidly and had an improved (P=.06) feed efficiency on a carcass-adjusted basis. Final weight of steers implanted with Revalor-XS was 14 lbs heavier on a live basis (P=.06) and 24 lbs heavier on a carcass-adjusted basis (P=.007) than steers receiving Synovex Choice/Synovex Choice. Hot carcass weight was increased by 13 lbs for steers receiving Revalor-XS (P=.006). Ribeye area was greater for steers receiving Revalor-XS (P=.009), but ribeye area/cwt of carcass weight did not differ between treatments. Marbling score, empty body fat and average yield grade were reduced (P<.03) for steers receiving Revalor-XS. Fewer carcasses from steers receiving Revalor-XS graded low Choice (P=.07), fewer were graded low Choice or greater (P=.03), and more were graded Standard (P=.06). Steers receiving Revalor-XS tended to produce fewer yield grade 3 carcasses (P=.09). Cattle implanted with Revalor-XS were leaner at equal days on feed due to increased performance, resulting in a reduction in a lower marbling score when compared to Synovex Choice/Synovex Choice program at equal days on feed.

Table 1. Performance and health of steers implanted with either Synovex-Choice on day 1 followed by Synovex-Choice on day 100 compared to steers implanted with Revalor-XS.

Item	Revalor-XS	Synovex-Choice/ Synovex-Choice	SE	P-value			
Pens	10	10					
Steers	487	484					
Days on feed	196	196					
Initial BW, lb	764	763	13	.43			
Live basis							
Final BW, lb ^a	1429 ^d	1415 ^e	16	.06			
DMI, lb/day	21.49	21.18	.23	.21			
ADG, lb/day, deads in	3.20	3.18	.06	.79			
ADG, lb/day, deads out	3.40 ^d	3.33 ^e	.03	.06			
F:G, deads in	6.73	6.67	.12	.65			
F:G, deads out	6.30 ^d	6.44 ^e	.06	.06			
Carcass-adjusted basis							
Final weight, lb ^f	1432 ^b	1408 ^c	16	.007			
Weight at 28.6% body fat ^g	1360 ^b	1336 ^c	12	.004			
ADG, lb/day	3.41 ^b	3.29 ^c	.03	.009			
F:G	6.30 ^d	6.44 ^e	.06	.06			
Morbidity and mortality							
Morbidity, all causes, %	18.2	17.8	-	.87			
Mortality, all causes, %	1.5	2.1	-	.60			

^a 4% pencil shrink was applied to full weight.



 $^{^{}m b,\,C}$ Treatments means are significantly different (P<.05).

d, e Treatments means are significantly different (P<.10).

[†] Final adjusted shrunk weight was calculated as pen hot carcass weight weight ÷ (overall dressing percent ÷100).

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

Evaluation of Revalor-XS® vs. Synovex-Choice Re-implant Program in Finishing Steers in Western Canada fed for 196 days.

Table 2. Carcass characteristics of steers implanted with either Revalor IS on day 1 followed by Revalor 200 on day 87 compared to steers implanted with Revalor-XS.

Item	Revalor-XS	Synovex-Choice/ Synovex-Choice	SE	P-value
Pens	10	10	-	-
Steers	484	487	-	-
Hot carcass weight, lb	892a	879 ^b	10	.006
> 1000 lbs, %	2.3	1.6		.46
Dressing percent	62.42	62.15	.12	.12
REA, in ²	14.76ª	14.34 ^b	.11	.009
REA/100 lb carcass weight	1.65	1.63	.01	.14
Marbling score e	390a	400b	2	.004
KPH, %	1.97	2.01	-	-
Rib fat, in	.54	.54	.01	.87
Average yield grade	2.92ª	3.00b	.05	.03
Empty body fat, % ^f	29.6ª	29.8 ^b	.20	.03
U	SDA Quality Grad	de, as a percentag	e of total	
Prime and Choice	42.9a	50.6b	-	.03
Prime	.40	.60	-	.73
> Average Choice	1.9	3.1	-	.44
Low Choice	40.6 ^c	46.9 ^d	-	.07
Select	53.6 ^c	47.9 ^d	-	.10
Standard	3.5c	1.5d	-	.06
Dark cutter incidence	.40	1.2	-	.19
	USDA Yield Grade	e, as a percentage	of total	
YG 1	13.1	11.7	-	.50
YG 2	41.5	36.7	-	.14
YG 3	38.8 ^c	44.4 ^d	-	.09
YG 4 and 5	6.6	7.2	-	.72

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

(2001; Journal of Animal Science 79:1983).

Conclusion

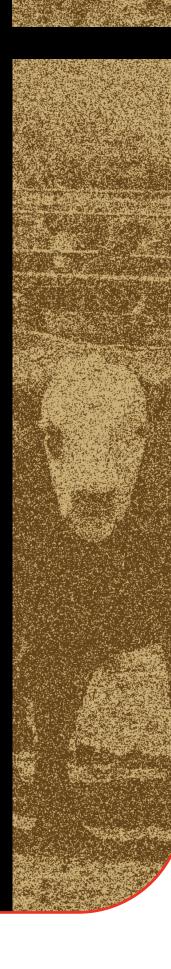
Implanting steer calves fed for 196 days with Revalor-XS improved growth performance, produced leaner carcasses and slightly reduced carcass quality compared to steer calves receiving Synovex Choice/Synovex Choice.

A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for yeal. For complete information, refer to product label.

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c, d Treatments means are significantly different (P<.10).

^eSlight = 300 to 390, Small = 400 to 490, etc.

[†]Calculated according to equations described by Guiroy et al.