

HEREFORD AND BLACK WHITE FACE STEERS ON SELF-FED FATTENING RATIONS

The feedlot performance of Hereford and Angus x Hereford crossbred steers on self-fed fattening rations has been compared over a three year period.

The feeding period in 1973 extended from February 2 until November 19, a total of 308 days. In 1974 the 340 day feeding period was from November 1, 1973 and October 7, 1974, and in 1975 the 314 day feeding period was from November 19, 1974 to September 29, 1975.

During the feeding period, oats in the ration was replaced by barley as shown in the following table.

Ration of 5% alfalfa - 20% tame hay	
November 19 - November 30	25% oats, 75% hay
December 1 - January 6	50% oats, 50% hay
January 7 - February 24	65% oats, 25% hay, 10% barley
February 25 - April 10	50% oats, 25% hay, 25% barley
April 11 - June 4	40% oats, 25% hay, 35% barley
June 5 - September 29	30% oats, 25% hay, 45% barley
¹ All lots received minerals at the rate of 10 pounds di-calcium phosphate and 20 pounds granulated salt, added to 1000 pounds of mixed feed for the first two months, after which the di-calcium phosphate was reduced to 5 pounds.	

Ingredient	Hereford	BWF
Oats, lbs.	8.39	7.99
Barley, lbs.	5.44	5.23
Tame hay, lbs.	4.73	4.56
Alfalfa, lbs.	0.94	0.90
Di-cal, lb.	0.10	0.09
Trace mineral salt, lb.	0.39	0.37

	1975 Trial		1974 Trial		1973 Trial	
	Hereford	BWF	Hereford	BWF	Hereford	BWF
Initial wt., lbs.	472	508	411	424	428	428
Final wt., lbs.	1104	1118	1090	1003	1106	1042
Gain/hd., lbs.	632	611	679	579	678	614
Days fed	314	314	340	340	308	308

Avg. daily gain, lbs.	2.01	1.94	1.99	1.70	2.20	1.99
Lbs. feed/hd./day	20.0	19.2	17.9	16.2	18.4	19.3
Feed cost/100 lbs. gain, \$	43.04	43.43	38.02	40.14	16.74	19.41
Feed cost/hd./day, $\frac{27}{11}$	0.87	0.84	0.76	0.68	0.37	0.39

Table 24 - Carcass data - Hereford vs. black white face on self-fed fattening rations						
	1975 Trial		1974 Trial		1973 Trial	
	Hereford	BWF	Hereford	BWF	Hereford	BWF
Final wt., lbs.	1104	1118	1090	1003	1106	1043
Hot carcass wt., lbs.	658	671	643	595	671	629
Dressing %	60	60	59	59	61	60
Grades: Prime	1	3				
Choice	5	2	4	5	4	4
Good	1	1	3	2	2	2
Carcass value, \$	484	492	385	362	397	374
Net \$ (carcass value minus feed and calf cost)	70	74	127	130	284	255

Summary: Results of feeding trials over a three period show that Herefords and Hereford-Angus crossbreds performed equally well on the self fed rations used. While there are statistically significant differences in gain during

the period, no difference is shown in the net profit realized.

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