

Summer Finishing of Big Yearlings - 1960

The thirty-two steers from the above winter feeding trial were reallocated April 29, 1960, to repeat an experiment with pelleted supplements and aureomycin which was reported in 1959. In reallocation, two steers from each of the four winter lots were placed in each of four summer lots. The purpose of this new trial was to compare loose supplements with pelleted supplements and determine the effect of the antibiotic, aureomycin, in both loose and pelleted rations. In the previous trial, daily gains were 2.63 for loose supplement, 2.68 for pelleted supplement, 2.71 for loose supplement plus aureomycin. The addition of aureomycin increased cost of gains by \$.17 per 100 pounds gain when loose supplement was fed, but reduced cost of gains \$.15 when pelleted supplements were fed. Pelleting the supplements increased cost of gains by an average \$1.28 per 100 pounds. The results of the latest trial are presented in Table 7.

Table 7. Pelleted Supplements & Aureomycin for Big Yearlings.				
	Meal Supp. + Aureomycin	Meal Supp.	Pellets + Aureomycin	Pellets
No. Steers/lot	8	8	8	8
Initial Wt. 4/29	774	752	773	776
Final Wt. 8/25	1036	1006	1044	1034
Av. Daily Gain	2.22	2.16	2.30	2.19
Daily Rations:				
Corn Silage	43	43	44	44

Barley	5	5	5	5
Alfalfa	2.5	2.5	2.5	2.5
Soymeal	1.5	1.5	1.5	1.5
Bonemeal & Salt 3:1	.2	.2	.2	.2
Aureomycin (Mg.)	75		75	
Feed/100 Lbs. Gain:				
Corn Silage	1925	1988	1905	2006
Barley	225	232	217	228
Alfalfa	113	116	109	114
Soymeal	68	70	65	68
Bonemeal & Salt 3:1	9	9	9	9
Aureomycin (Mg.)	3379		3246	
Feed Cost/100 Lbs. - Gain*	\$15.46	\$15.59	\$16.47	\$16.68
Selling Price/100 Lbs.	\$20.65	\$21.50	\$21.40	\$21.25
Grades at Sale	1 Ch., 7 G	1 Ch., 6 G., 1 Std.	5 Ch., 3 G	2 Ch., 5 G., 1 Std.
Return/Hd Above feed costs, Summer only:	\$13.59	\$15.01	\$13.36	\$11.02
*A charge of \$3.00 per ton was added for meal supplements, and \$10.00 per ton for pelleted supplements. All ingredients except silage were pelleted together.				

Aureomycin cheapened gains by \$.13 per 100 pounds with meal supplement, and by \$.51 per 100 pounds with pelleted supplement. The lot on meal supplement with antibiotic sold lower than can be explained by weight and finish, but would have returned the greatest profit per head if sold at the same price as the other lots.

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