

## SILAGE FROM EARLY MATURING AND LATE MATURING CORN COMPARED IN THE FEED LOT

This trial was initiated in 1961, and was continued in the feeding seasons of 1962-63, 1963-64, and 1964-65. The trial compares response in the feed lot from feeding silage made from early maturing corn and silage made from late maturing corn. The average daily ration fed in this trial included 29 pounds corn silage, 1.0 pound alfalfa hay, 6.0 pounds rolled barley, and 1.0 pound steer supplement. Animals in this trial were on feed for an average of 321 days. They went on trial at an average initial weight of 423 pounds. Average final weight was 1055 pounds.

<b>Table 17. Average Daily Gain, Feed Costs and Carcass Price, Grade and Yield in the Trial Comparing Silage From Early Maturing and Late Maturing Corn in 1964-65.</b>		
	Type of Silage	
	Early Maturing	Late Maturing
No. Head	23	24
Initial Weight	422.5	422.7
Final Weight	1048.0	1064.8
Gain	625.5	642.1
Days Fed	321	321
Average Daily Gain	1.95	2.00

Average Dressed Weight	597.1	597.3
Average Dressing Percent	57.0	56.1
Grade	1 Pr., 20 Cho., 1 A. Gd., 1 T. Gd.	20 Cho., 3 T. Gd., 1 A. Gd.
Average Carcass Value	\$240.91	\$240.48

**Table 18. Four Year Average Daily Gain, Feed Costs, Carcass Price, Grade and Yield in the Trial Comparing Silage From Early Maturing and Late Maturing Corn.**

Year of Trial	Average Daily Gain	Feed Cost Per 100 lbs. Gain	Average Carcass Price Per 100 Lbs.	Average Carcass Grade	Dressing Percent
Early Maturing Corn (85 Day)					
1961-62	1.73	\$14.90	Not Available	Not Available	Not Available
1962-63	1.79	\$13.03	\$37.31	9.29	56.85
1963-64	1.73	\$13.62	\$36.16	Low Choice	55.93
1964-65	1.95	\$12.46	\$40.35	Choice	57.00
Average	1.80	\$13.50	\$37.94	Low Choice	56.69
Late Maturing Corn (120 Day)					

1961-62	1.63	\$15.48	Not Available	Not Available	Not Available
1962-63	1.74	\$13.55	\$37.39	9.36	56.33
1963-64	1.67	\$14.15	\$36.29	Low Choice	56.49
1964-65	2.00	\$12.45	\$40.26	Low Choice	56.10
Average	1.76	\$13.91	\$37.98	Low Choice	56.31

The results over the four year period indicate that early maturing corn will produce gains of about .04 pound more per day than late maturing corn. Over a six year period including the four years this trial was in progress, the silage yield of late maturing corn (120 day) was .7 of a ton more than the silage yield of the early maturing corn (85 day).

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