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CORN SILAGE PRODUCTION TRIAL

The purpose of this trial is to determine the silage production and feed value of corn hybrids and varieties of different maturity ratings, ranging from 80 to 120 days.

Table 35 shows data from the 1965 trial. Table 36 summarizes production and protein percent for the past six years.

Table 35. Corn Silage Production - 1965.

Description	Yield - Tons/Acre @ 70% Moisture						
	1	2	3	4	5	6	Av.
KF - 80 Day	8.3	5.7	7.4	8.5	5.8	6.5	7.0
KC 3 - 83 Day	10.4	9.0	10.3	8.5	5.6	7.2	8.5
KE 7 - 89 Day	8.5	7.8	8.3	6.5	6.9	6.0	7.3
KC 6 - 93 Day	8.1	8.4	7.3	7.3	6.2	6.2	7.3
KA 4 - 102 Day	8.5	8.3	7.9	8.1	7.0	5.9	7.6
M-2 - 102 Day	8.6	8.6	8.2	8.6	7.1	7.1	8.0
KO 4- 105 Day	7.6	7.6	5.9	7.2	7.4	5.5	6.9
KT - 110 Day	7.8	11.2	6.9	7.9	6.9	5.8	7.8
KT-6 - 115 Day	6.0	5.9	6.4	6.5	6.2	5.8	6.1

Table 36. Silage Production and Percentage of Protein in Corn Hybrids in Early, Medium and Late Relative Maturity Ranges.

Relative Maturity Range	Average Yield @ 70% Moisture (Tons/acre)						6 Yr. Av.
	1960	1961	1962	1963	1964	1965	
Early (80-89 day)	3.2	3.3	6.9	5.8	4.5	7.6	5.2
Medium (93-102 day)	4.1	3.6	8.0	5.6	4.5	7.6	5.6
Late (105-120 day)	4.6	3.5	9.5	6.1	4.9	6.9	5.9
	Average Protein % on Dry Matter Basis						6 Yr. Av.
	1960	1961	1962	1963	1964	1965	
Early (80-89 day)	3.37	3.30	3.00	6.37	9.80	7.90	5.62
Medium (93-102 day)	2.17	3.50	3.30	6.23	9.70	7.00	5.32
Late (105-120 day)	2.33	3.60	3.30	5.87	9.70	7.70	5.42

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