

BETTER SEED FOR BETTER FEED

DAIRY VERSION

EFFECTIVE OCTOBER 1, 1992



CORN SILAGE Menu

FOR PENNSYLVANIA/MD/VA

MATURETY	GRAIN YIELD	FORAGE YIELD	ENERGY				INTAKE		DAIRY
			AT 15.5% MOISTURE	70% TONNAGE MOISTURE	CRUDE PROTEIN	% DM NFC	% DM NDF	IN VITRO FIBER DIGESTIBILITY	
DAY RANGE	HYBRID								
Early 95-100	3427	8	7	7	8	6	8	5	43
	3477	5	3	5	7	6	7	6	49
	3637	6	5	7	7	6	7	6	47
	4137	7	9	6	9	8	9	6	48
Medium 105-112	4327	9	6	6	9	9	9	9	65
	5877	7	6	9	8	8	9	5	45
	SX269	7	9	7	3	5	4	9	64
	6227	8	8	5	9	7	8	6	42
Med-Late 115-120	7697	8	8	4	6	6	5	6	45
	7877	9	9	7	6	7	7	8	57
	8027	8	7	7	8	9	8	8	62
	8127	8	7	9	8	9	9	9	68
Late 120-130	8177	7	9	3	9	9	9	6	46
	8527	8	9	8	8	8	8	6	48
	9027	9	8	4	8	7	8	5	38
	9197	7	9	6	6	6	6	9	66

RATING SCALE	
9 - 8	= Outstanding
7 - 6	= Above Average
5	= Average
4 - 3	= Below Average
2 - 1	= Substandard

University conducted research supported by Cargill has built the data base for the whole plant quality portion of this menu. Quality profiles were developed by the use of In Vitro Rumen Fermentation technology. In Vitro True Digestibility was used to measure whole plant energy. In Vitro Cell Wall Digestibility was used to measure fiber digestibility and correlated to dry matter intake



QUALITY INDEX - DAIRY

The Quality Index was designed to simplify the corn hybrid selection process from the Corn Silage Product Menu. This one index is structured to take into account the key quality criteria that could effectively reduce ration supplementation costs and influence milk production potential.

This Menu is designed to profile corn hybrids on forage & grain yield potential and key forage quality traits. Corn hybrids differ in their combination & level of fiber (NDF), digestibility, and protein content. The dairy cow has different Forage Quality requirements that are dependent on her stage of lactation.

Because of these relationships, the Quality Index was created to score each hybrid's quality potential by putting a weighted factor or emphasis on the key quality traits that would have the greatest impact on milk production & profitability. This factoring system is as follows:

QUALITY CRITERIA	HIGH LACTATING
NDF	0%
NDF DIGESTIBILITY	75%
TOTAL DIGESTIBILITY	12.5%
NFC	0%
CRUDE PROTEIN	12.5%
TOTAL	100%

Cargill Scholarship Program

- 1 Yr. Scholarship Award of \$1000
- Available To Graduating Seniors From Farm Families
- 250 Scholarships Nationally
- Feb. 15 Postmark Deadline
- Booth 636-637 Farm Show

Brubaker Agronomic

Consulting Service, Lititz, PA

Average of 3 Corn Variety Trials

Hybrid	Moisture	Yield
#1 Cargill 7997	24.3	174.9
#2 Cargill 8127	23.6	174.5

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