

BETTER SEED FOR BETTER FEED

DAIRY VERSION

EFFECTIVE OCTOBER 1, 1992



CORN SILAGE *Menu*

FOR PENNSYLVANIA/MD/VA

MATURETY	DAY RANGE	HYBRID	GRAIN YIELD AT 15.5% MOISTURE	FORAGE YIELD 70% TONNAGE MOISTURE	CRUDE PROTEIN	[ENERGY]		[INTAKE]		DAIRY QUALITY INDEX
						% DM NFC	IN VITRO WP DIGESTIBILITY	% DM NDF	IN VITRO FIBER DIGESTIBILITY	
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%

WINNERS IN THE 1992 NATIONAL CORN GROWERS YIELD CONTEST

National AA Non-Irrigated
Calvin Hiatt Cicero, IN 7997 3rd 247.35 bu.

STATE WINNERS IN THE EAST

Class	Name	Town	Hybrid	Place	Yield
A Non-Irrig.	Franklin Dill	Chestertown, Md.	7997	2nd	195.39 bu.
A Non-Irrig	William Beckwith	Linkwood, Md.	7997	9th	183.17 bu.
A Non-Irrig	Lamar Miller	Manheim, Pa.	7997	7th	189.12 bu.
AA Non-Irrig	David Hamilton	Lynchburg, Oh	7997	6th	224.37 bu.
No-Till Non-Irrig	J.D. Farms	Cambridge, Md.	7997	5th	191.42 bu.
No-Till Non-Irrig	Roger Wolf Farms	Washington, NJ	7997	8th	158.55 bu.
No-Till Non-Irrig.	Lamar Miller	Manheim, Pa.	7997	7th	166.79 bu.
No-Till Irrig.	Lamar Miller	Manheim, Pa.	7997	2nd	189.47 bu.
Irrig.	Three Rivers Farms	Woodburg, Ct.	SX269	1st	162.30 bu.
Irrig.	Three Rivers Farms	Woodburg, Ct.	7997	3rd	149.09 bu.

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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