



# COUNTY

## Which Corn Silage Hybrid Is Best for You?

A corn hybrid that's best for grain yield may not be the hybrid that produces the best silage for livestock, according to research conducted by Cargill.

For example, dairy cows need corn silage hybrids that can provide a high percentage of digestible fiber to help achieve top milk production and milk test. Beef cattle on a fattening program need a daily ration with a high energy density for fast weight gain.



Maturity Day Range	Hybrid	Yield For Maturity		Whole Plant Quality		
		Grain Yield at 15.5% Moisture	Silage Tonnage at 70% Moisture	% Digestibility (Energy)	Intake Potential	% Crude Protein
80-100	SX 123	8	5	9	8	7
	809	8	5	9	9	7
	3027	7	8	6	7	6
	3477	6	7	8	8	7
	842	6	8	6	7	8
3637	8	8	8	9	7	
100-110	4327	9	8	9	7	7
	5327	9	7	9	8	6
	6127	7	7	8	7	7
	6027	7	8	7	8	7
	SX 269	7	9	5	6	6
6227	8	9	9	9	8	
110-120	7877	9	8	8	6	6
	7993	8	7	9	9	5
	8027	8	8	8	9	6
	8127	7	9	7	7	5
120-130	8527	7	7	6	8	6
	9027	7	9	7	7	7
	9427	7	8	7	7	6

This chart compares Cargill hybrids with each other. The rating scale is 9 = Outstanding through 1 = Substandard.

The above is based on the best information available in December, 1989. Sources include Cargill, university and on-farm research.

State-of-the-art techniques used include in-Vitro Digestible Dry Matter (VDDM) to stimulate the ruman environment using rumen microbial fluid, In-Vitro True Digestibility (VTD) was used to measure whole plant energy, In-Vitro Cell Wall Digestibility was used to measure the amount of digestible plant fiber available to influence dry matter intake.

The Corn Silage Menu was developed to help you select hybrids based on your livestock needs. We have evaluated our hybrids and identified those that tested highest in key silage traits. Use the Menu to make corn silage decisions.

**Grain Yield** rates hybrids on their grain production ability, adjusted to 15.5 percent moisture within a maturity range. Compare these ratings with silage tonnage and whole plant quality ratings and you will see differences.

**Silage Tonnage** rates hybrids on their ability to consistently produce high tonnage yields within their maturity range. Results of on-farm and research plots (80+ locations 1988-89) were summarized and corrected to 70 percent moisture. This enables us to analyze hybrids for silage tonnage in the same manner we do for grain yield.

The following whole plant quality characteristics are important. **Digestibility** rates whole plant digestion and energy density. This is an accurate indication of a hybrid's total energy potential.

**Intake Potential** rates the fiber digestibility, a factor that affects potential intake of a ration. This is essential for top milk production.

**Crude Protein** rates the content of the whole plant to contribute crude protein to a ration.

Contact your local Cargill Hybrid Seeds Dealer or call: **1-800-222-5407**



**CARGILL HYBRID SEEDS**

PO BOX 5645 MINNEAPOLIS MN 55440

All products subject to Cargill's warranty limitations

Non-Irr  
No-Till  
Non-Irr  
No-Till

\* #1 Alfalfa

\* Highest Trias  
\* Multip  
\* Exclle

## HIGH MOISTURE CORN MENU

YIELD FOR MATURITY

GRAIN QUALITY TRAITS

DAYS	HYBRID	GRAIN YIELD AT 15.5% MOISTURE	% CRUDE PROTEIN	% OIL	TEST WEIGHT
80-100	1927	6	8	6	8
	2227	7	7	8	8
	819	7	8	7	8
	3027	7	8	6	7
	3327	6	4	8	8
100-110	4227	7	7	8	7
	5157	7	7	4	8
	5327	8	7	5	6
110-120	6527	7	7	4	7
	6227	8	4	7	6
	6927	7	8	7	6
	7877	9	7	8	6
120-130	7990	8	8	6	6
	8127	7	8	4	7

**SCALE**  
1-2 Sub-standard  
3-4 Below Average  
5-6 Average  
7-8 Above Average  
9 Outstanding

- Adams Bro Shoemakersville, PA
- Henry F. Bailey Lancaster, PA
- Homer B. Bl Lebanon, PA
- Braund Valley Farms Troy, PA
- Brown & W Atglen, PA
- Stan Buch Lebanon, PA
- Cargill Inc/Marietta Marietta, PA
- Ronald L. City Columbus, PA
- Dennis A. Custer Leighton, PA 17235
- Fabin Bros. Farms Indiana, PA
- Fred Frey Quarryville, PA
- Jeff A. Gu Pen Argyl, PA
- Hooper's M Intercourse, PA
- James Kelp Elizabethtown, PA
- Koch's Farm Service Tamaqua, PA