



syngenta®

Silage Hybrid Ratings

Syngenta is committed to sharing agronomic knowledge with livestock producing customers to help them grow more corn silage. To help customers choose the best silage hybrids to meet the nutritional needs of their dairy and beef operations, our agronomic research team provides these silage hybrid ratings. These ratings are supported by analysis of approximately 790 Syngenta and third party trial locations across eight years of research and by our knowledge and understanding of each hybrid's silage characteristics.

Hybrid Ratings Explanation

Silage samples collected at harvest undergo NIR analysis by independent labs to derive the silage quality and digestibility data results. This data was then reviewed along with our agronomic field knowledge of each hybrid to assign each a silage quality rating within four categories: **BEST**=Best silage quality or yield content, relative to other hybrids; **GOOD**=Good silage quality or yield content, relative to other hybrids; **FAIR**=Fair silage quality or yield content, relative to other hybrids; and **POOR**=Poor silage quality or yield content, relative to other hybrids.

Other Silage Hybrid Management Considerations

- Select hybrids well-adapted for the geographic region using local performance data whenever possible.
- Hybrid characteristics such as stay-green and increased starch digestibility are important for silage production.
- Select hybrids best fitting specific needs for yield and quality. When comparing hybrid ratings, it is recommended that you compare ratings within a maturity group.
- Plant early to optimize crop utilization of water, nutrients, and sunlight.
- Plant at populations equal to or up to 10% greater than corn for grain.
- Soil nutrient removal for potassium and phosphorus will be higher for silage than grain production, due to the increased removal of crop residue.
- Target a whole-plant moisture content of 60-70% at harvest, depending on ensiling method, with higher moistures best suited for storage in a bunker or pile.



NK® Corn Silage Hybrid Ratings

NK Hybrid Series	Relative Maturity (RM)	Yield (tons/Acre)	Protein	NDF	NDFD	Starch	Fat	TDN	Feed Effect On				
									NEL	Milk/Ton	Milk/Acre	Beef/Ton	Beef/Acre
NK8204	82	Fair	Fair	Fair	Good	Fair	Fair	Good	Fair	Good	Fair	Good	Fair
NK8455	84	Best	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
NK8519	85	Best	Good	Fair	Good	Fair		Best		Best	Best	Best	Best
NK8618	86	Best	Good	Good	Good	Best	Good	Fair	Good	Fair	Good	Fair	Good
NK8881	88	Good	Best	Good	Fair	Best		Good		Good	Fair	Good	Fair
NK9227	92	Best	Best	Good	Good	Good	Best	Good	Good	Good	Best	Good	Best
NK9535	95	Best	Fair	Good	Good	Best	Best	Good	Good	Best	Best	Best	Best
NK9659	96	Best	Good	Best	Fair	Best	Good	Best	Good	Best	Best	Best	Best
NK9738	97	Best	Best	Good	Fair	Best	Best	Best	Best	Best	Best	Best	Best
NK9813	98	Best	Good	Fair	Fair	Good	Fair	Good	Good	Good	Best	Good	Best
NK9852	98	Good	Fair	Best	Fair	Best		Fair		Fair	Good	Fair	Good
NK0142	101	Best	Good	Good	Good	Good	Good	Best	Good	Best	Best	Best	Best
NK0199	101	Good	Good	Best	Good	Good	Fair	Good	Good	Good	Good	Good	Good
NK0281	102	Fair	Good	Best	Best	Good	Good	Good	Good	Good	Fair	Good	Fair
NK0327	103	Fair	Good	Good	Good	Best	Best	Fair	Good	Fair	Fair	Fair	Fair
NK0330	103	Good	Good	Good	Good	Best	Best	Good	Good	Fair	Good	Good	Good
NK0358	103	Fair	Good	Good	Good	Best	Best	Fair	Fair	Fair	Fair	Fair	Fair
NK0440	104	Best	Good	Good	Best	Good	Best	Good	Good	Good	Best	Good	Best
NK0519	105	Best	Fair	Good	Good	Good	Good	Good	Good	Best	Best	Good	Best
NK0576	105	Good	Best	Best	Good	Best		Good		Good	Fair	Good	Fair
NK0602	106	Best	Good	Good	Good	Best		Fair		Fair	Good	Fair	Good
NK0624	106	Fair	Good	Good	Good	Best	Best	Good	Best	Good	Fair	Good	Fair
NK0659	106	Good	Good	Good	Good	Best		Best		Best	Best	Best	Best
NK0760	107	Best	Good	Good	Good	Good	Good	Best	Best	Best	Best	Best	Best
NK0886	108	Good	Best	Best	Good	Best	Best	Fair	Good	Fair	Fair	Fair	Fair
NK0944	109	Best	Good	Best	Best	Good	Best	Best	Best	Best	Best	Best	Best
NK0962	109	Good	Good	Good	Best	Good	Good	Best	Best	Best	Good	Best	Good
NK0962	109	Good	Good	Good	Best	Good	Good	Best	Best	Best	Good	Best	Good
NK1066	110	Best	Fair	Fair	Fair	Fair	Best	Good	Good	Good	Best	Good	Best
NK1103	111	Fair	Good	Good	Good	Best	Fair	Fair	Good	Good	Fair	Good	Fair
NK1191	111	Poor	Good	Best	Best	Best	Best	Good	Best	Good	Fair	Good	Fair
NK1263	112	Good	Good	Fair	Fair	Good	Good	Good	Good	Good	Good	Good	Good
NK1284	112	Best	Fair	Good	Good	Good	Best	Good	Good	Good	Best	Good	Best
NK1354	113	Good	Good	Good	Best	Fair	Fair	Good	Good	Good	Good	Good	Good
NK1364	113	Fair	Good	Good	Good	Good	Fair	Best	Best	Best	Good	Best	Fair
NK1389	113	Good	Best	Good	Good	Fair	Good	Good	Good	Good	Good	Good	Good
NK1433	114	Good	Good	Good	Fair	Good	Fair	Good	Good	Fair	Good	Fair	Good
NK1444	114	Best	Fair	Best	Good	Best	Best	Good	Best	Good	Best	Good	Best
NK1452	114	Good	Fair	Best	Good	Best	Best	Best	Best	Best	Best	Best	Best
NK1573	115	Best	Good	Good	Good	Best		Good		Good	Good	Good	Good
NK1584	115	Best	Good	Good	Good	Good	Fair	Best	Best	Best	Best	Best	Best
NK1694	116	Good	Fair	Good	Good	Good	Good	Best	Best	Best	Good	Best	Good
NK1808	118	Best	Best	Good	Best	Good	Good	Best	Best	Best	Best	Best	Best
NK1822	118	Fair	Good	Best	Best	Best	Good	Good	Good	Good	Good	Good	Good
NK1860	118	Best	Good	Good	Good	Good	Fair	Good	Good	Good	Best	Good	Best

Corn Silage Hybrid Ratings Chart Key: Best Good Fair Poor Insufficient Data

**NOTE: These ratings should not be used to estimate actual production per animal, but instead they should be used to determine relative overall silage quality and yield of each hybrid.*

Yield Calculated on a per acre basis and adjusted to standard moisture.

Crude Protein (CP) Indicates the percent content of this important feed component relative to other hybrids.

Neutral Detergent Fiber Digestibility 48 Hour Estimates the ruminant digestibility of the NDF fraction.

Fat Indicates the percent content of this important feed component relative to other hybrids.

Starch Indicates the percent content of this important feed component.

Total Digestible Nutrients (TDN) Describes the energy content of feeds as the sum of the digestibility of different nutrients.

Net Energy Lactation (NEL) Feed effect on net energy for lactating cows based on acid detergent fiber (ADF).

Milk/Ton An estimate of forage quality driven by starch content, starch digestibility and NDF; **Milk/A** Combines the estimate of forage quality (Milk/Ton) and yield (Tons/A) into a single term.**

Beef/Ton A proprietary estimate of forage quality driven by TDN; **Beef/A** Combines the estimate of forage quality (Beef/Ton) and yield(Tons/A) into a single term.

** Milk: Combining Yield and Quality into a Single Term, <https://fyi.uwex.edu/forage/files/2016/11/Milk-2016-Combining-Yield-and-Quality-into-a-Single-Term-2.pdf>

For more information about NK Corn hybrids, contact your NK retailer or visit www.nkseeds.com



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