



Kentucky Corn for Silage Variety Performance Test – 2002 Results

Variety	Feed \$	Feed \$	Yield	Yield	Average	Average	Average	Protein
	Value/acre	Value/acre	Tons/acre	Tons/acre	Value/ton	TDN	NEL	
	Lincoln	Adair	Lincoln	Adair				
Purple Ribbon	1187.83	486.29	29.8	12.2	39.86	69.3	.72	8.2
NK Syngenta 91RR	1154.13	900.97	31.0	24.2	37.23	68.0	.69	6.7
Caverndale CF940	1108.68	630.00	30.5	18.0	36.35	67.2	.68	6.2
Pioneer 32D99	1100.36	559.76	28.7	14.6	38.34	69.5	.72	6.5
Garst 8230	1088.42	561.39	28.5	14.7	38.19	68.5	.70	7.3
Asgrow RX740RR	1059.76	556.18	28.2	14.8	37.58	68.0	.69	7.1
Southern States SS900BT	1022.18	635.10	27.2	16.9	37.58	67.9	.69	7.1
DeKalb DK66-00RR	997.99	941.50	26.5	25.0	37.66	68.2	.70	6.7
Garst 8118RR	984.58	1073.03	25.6	27.9	38.46	68.6	.70	7.6
DeKalb 697	926.68	762.82	24.6	20.25	37.67	68.3	.69	7.2
Caverndale CF1020RR	911.27	961.25	23.7	25.0	38.45	69.0	.71	7.1
Southern States 842RR	878.91	785.59	22.6	20.2	38.89	69.0	.71	7.6
NK Syngenta N79L3	853.89	838.64	22.4	22.0	38.12	68.0	.69	7.7
Pioneer 33J57	756.02	644.84	20.4	17.4	37.06	67.6	.68	7.0

Objective: To provide unbiased silage yields and quality performance information for seed corn varieties commonly sold in Kentucky. Every effort has been made to conduct the test in an unbiased manner according to accepted agronomic practices.

Explanation of terms:

\$ Feed Value/acre & Average Feed Value/ton is based on the University of Missouri “Feed Value” program which estimates feeding value based on expected animal nutritional performance.

TDN- An energy value. Energy value is the most important factor of silage for milk production and cattle gains

NEL- Net Energy for Lactation. Main energy value in dairy ration balancing

Test Locations & Farm Cooperators: Eddie Reynolds- Lincoln County and Larry & Marshall Irvin- Adair County

OVER

Test Procedures:

Seed Corn companies submitted varieties for testing

3 replications per variety were harvested. Quality analysis is a statistical ranking based on replications

All plots harvested, weighed, chopped, and sampled by Extension personnel

Quality analysis on the samples for each variety was conducted by the Custom Laboratory, Golden City, MS.

Lincoln County plot planted May 28 by reduced tillage. Adair County plot planted June 7 by reduced tillage

Both plots harvested September 16

*Adair County plot did suffer from moisture deficiency during the growing season

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This file can be accessed at: <http://www.uky.edu/Ag/GrainCrops/varietytesting.htm>