

Kentucky Corn Silage Hybrid Performance Report, 2025

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Procedures for the 2025 Kentucky Silage Corn Hybrid Performance Trials

Objective

The objective of the Silage Corn Hybrid Performance Test is to provide unbiased forage yield and quality data for corn hybrids commonly grown for silage in Kentucky.

General Procedures

Corn hybrids were evaluated for silage performance on cooperating farms. Representatives from seed companies submitted hybrids of their choosing.

University of Kentucky personnel planted the hybrid seeds. Farmers applied the soil amendments and pest management. University of Kentucky personnel harvested, weighed, chopped and packaged corn for quality analysis. University personnel conducted the statistical analyses and final reporting of hybrid performance.

Every effort was made to conduct the tests in an unbiased manner according to accepted agronomic practices. Corn hybrids were arranged in a randomized complete block design with three replications at each farm. Hybrid seed was planted in four row plots with Wintersteiger Dynamic Disk precision planter that planted each plot at 32,000 seeds per acre. Fields were monitored for pests.

When most hybrids were near 35% dry matter (65% moisture), the two center rows of each plot were harvested with a John Deere 5400 modified for small plots. The entire harvested corn sample was weighed, and a subsample was collected.

Forage quality analyses and dry matter determination were from composite chopped samples of each hybrid at each location and were analyzed by Dairyland Labs, who also calculated milk and beef yield.

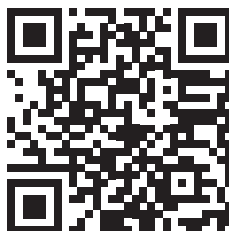
Hybrid performance reported here includes silage yield adjusted to 35% dry matter, milk yield per ton and per acre, beef per ton and per acre, in vitro true digestibility, crude protein, acid detergent fiber, neutral detergent fiber, and total digestible nutrients.

Silage yield was separated using the Least Significant Difference (or LSD). The LSD is a method of separating hybrid performance from field variability. Hybrids with yields within one (1) LSD of each other have a very good chance of performing similar to each other next year.

2025 Season Comments

Corn silage trials were planted in Caldwell, Fayette, and Casey counties. The 2025 growing season started wet, delaying planting, then turned dry just before harvest. Due to adverse conditions, Casey County had to be excluded.

We thank our farmer cooperator, Woodrum Bros Farms, for allowing us access to his farm to conduct this trial.



Department of Plant and Soil Sciences
Kentucky Crop Variety Testing

Table 1 - State Summary

Hybrid	Tons/A at 35%DM			Locations		Forage Quality				Milk Yield		Beef Yield	
	2025	2024-25	2023-25	Caldwell	Fayette	CP	ADF	aNDF	TDN	lb/T	lb/A	lb/T	lb/A
Revere 114-P35	26.8			27.7	25.9	7.1	20.2	32.9	73.7	3007	94753	259	2358
Integra 6386	26.2			28.6	23.7	7.1	19.3	31.7	74.4	3163	94048	282	2593
CANE RUN CRE-2020	25.6			26.6	24.7	7.2	21.0	34.7	73.2	3060	87198	270	2384
NUTECH 74A5	25.6			26.4	24.8	6.9	22.0	36.2	72.4	3016	93010	260	2211
Revere 113-T42	25.6			25.5	25.7	7.1	19.6	32.2	74.1	3086	94703	272	2528
Crows 5859	25.2			24.5	25.9	7.0	21.0	34.2	73.2	3031	83675	258	1884
Crows 5444	25.1			26.5	23.7	7.2	20.0	32.3	73.9	3029	89997	257	2311
DEKALB DKC115-81RIB	24.8			27.6	21.9	7.2	20.3	33.4	73.6	3090	88933	272	2310
INTEGRA 6493 VT2P	24.6	22.4		28.1	21.1	7.1	19.1	31.1	74.5	3146	92149	281	2249
Partners Brand PB 8961	23.6	22.4	21	26.8	20.4	7.7	28.9	46.6	67.6	2725	68123	185	1502
DEKALB DKC70-94	23.5	20.5	20	23.5	23.4	7.6	22.8	37.2	71.9	2902	76137	231	1764
Integra 6915	23			22.7	23.4	6.9	21.5	35.8	72.8	2986	88941	256	2256
DEKALB DKC111-02RIB	21.9			26.5	17.3	7.5	20.0	33.2	73.8	3121	89353	280	2304
Silage Check	21.8			22	21.6	7.7	19.8	34.4	74.0	3248	96630	309	2164
CANE RUN CRE-8520	21.2			28.4	14.1	8.7	26.1	44.3	69.5	2712	79436	204	1369
DEKALB DKC113-26RIB	20.3	18.2		21.8	18.7	7.0	21.1	36.2	73.1	3171	84945	295	2578
CANE RUN CRE-55D	13.9			21.9	5.9	8.9	28.0	45.8	68.3	2602	65888	169	619
CANE RUN CRE-15	11.4			11.4	11.4	9.8	24.5	40.2	70.7	2765	71858	189	671
Average	22.8	20.9	20.5	24.8	20.8	7.5	22.0	36.2	72.5	2992	85543	252	2003
C.V.	26.8	14.7	14.9	19.9	23.6								
LSD (0.10)	6.1	3.3	2.5	6.8	6.8								

Table 2. Agronomic Practices

Management	Caldwell County	Fayette County
Planting	4/28/2025	5/9/2025
N/P/K	200/0/70	182/0/70
Soil	Crider Silt Loam	Lanton Silt Loam
Harvest	8/19/2025	8/28/2025



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