



Results from the 2024 Spring Corn hybrid test
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Company	Hybrid	Relative maturity	Total Production	Estimated silage production (35% DM)	Milk production per ton	Milk production per acre	Disease score ‡	DM at harvest	NE _i	TDN	CP	Starch	WSC	ADF	Ash	aNDF	NDFD30	Top performing (chart) [§]
			lb DM/A	Ton silage /A	lb milk/ton	lb milk/A		%	Mcal/100 lb				% DM				% NDF	
Agra Tech	1025VIP	125	13,842	25.1 *	2,846	19,636	1.0	27.2	0.74	72.2	10.1 *	21.1	9.5 *	25.2 *	3.1	50.1 *	57.0	
Agra Tech	1778VIP	120	15,019	26.1 *	3,001	22,544	1.2	29.4	0.79	76.3	9.3	29.4	8.3	21.3	3.2 *	44.0	57.0	
Agra Tech	796	117	11,242	17.1	3,092	17,541	1.3 *	32.5	0.83	79.7	10.2 *	33.0	8.8	18.0	3.4 *	39.2	55.6	
Agra Tech	79VT2P	116	12,239	18.2	3,141	19,219	1.3 *	31.9	0.85 *	81.4 *	9.6	37.0	7.0	16.4	3.2	37.2	54.4	
Augusta	A1964 DV	114	13,911	20.9	3,028	21,124	1.0	33.3	0.80	77.5	9.2	32.4	9.1	20.2	2.7	41.8	54.0	
Augusta	A2464	114	12,481	18.9	3,162	19,990	1.1	32.8	0.82	78.9	8.6	34.7	8.1	18.8	2.4	40.2	60.2	
Augusta	A5166	116	13,525	21.4	3,171	21,408	1.1	31.9	0.82	78.8	8.9	34.9	8.1	18.9	2.8	39.6	60.6	
Bayer	DKC 66-06 TRE	116	14,547	21.4	3,226	23,050	1.0	36.0 *	0.87 *	83.6 *	7.6	43.1 *	6.7	14.4	2.2	33.7	52.4	**
Bayer	DKC 68-35 VT2P	118	16,871 *	25.7 *	3,131	26,572 *	1.0	32.6	0.81	77.9	8.6	35.9	7.1	19.7	2.4	40.9	58.1	**
Bayer	DKC 70-45 VT2P	120	14,977	21.7	3,176	23,939	1.1	34.4	0.81	78.1	8.4	34.4	7.8	19.6	1.0	42.7	61.1	**
BH Genetics	BH 8400PCE	114	14,205	22.4	3,175	22,654	1.1	31.7	0.82	79.2	8.8	37.2	6.1	18.6	2.9	39.8	60.0	**
BH Genetics	BH 8420VIP3110	114	16,538	23.9	3,156	25,934	1.0	34.9	0.85	81.7	8.8	36.0	8.0	16.1	3.2	37.3	55.3	**
BH Genetics	BH 8690VIP3110	116	12,442	18.6	3,038	19,030	1.1	31.3	0.78	75.6	8.8	27.5	9.7 *	22.0 *	2.4	45.8 *	61.2	
BH Genetics	BH 8705VIP3110	117	12,166	21.0	2,765	16,412	1.0	28.9	0.77	74.7	9.1	24.1	8.7	22.8 *	3.5 *	47.7 *	50.9	
BH Genetics	BH 8721VT2P	117	14,820	22.0	3,171	23,732	1.1	33.0	0.84	80.6	9.7	36.4	8.0	17.2	2.6	38.4	55.9	**
BH Genetics	BH 8966VT2P	119	15,892	20.8	3,192	25,447 *	1.1	37.9 *	0.84	80.5	8.6	38.0	5.6	17.3	2.2	39.0	57.3	**
BH Genetics	X24004TRE	116	14,832	20.7	3,135	23,269	1.1	35.3	0.81	78.1	8.9	35.3	8.7	19.6	2.3	39.7	56.6	**
BH Genetics	X24011DV Z3	115	9,927	14.1	3,312 *	16,996	1.0	32.9	0.87 *	83.0 *	9.0	41.8 *	5.8	14.9	2.9	34.7	61.9	
BH Genetics	X24015-3220	115	12,701	19.8	3,331 *	21,312	1.1	33.4	0.86 *	82.5 *	8.2	43.4 *	6.4	15.4	2.4	34.5	61.3	
Croplan	5320SSPRO	113	16,194	23.7	3,105	25,226	1.1	33.8	0.80	77.2	9.2	31.9	8.5	20.4	2.8	41.4	58.4	
Croplan	5760TRE	117	16,200 *	25.4 *	3,069	24,782	1.0	32.0	0.84	80.3	9.4	33.7	8.2	17.5	3.1	39.0	51.3	
Croplan	5900VT2P	119	15,685	24.0	2,973	24,391	1.1	30.6	0.79	76.0	9.6	28.9	8.5	21.5 *	3.3 *	44.3 *	56.5	
Integra	6641 SS	116	12,952	19.4	3,104	20,201	1.2	33.1	0.82	79.3	9.6	33.7	8.1	18.4	2.6	40.5	55.8	
Integra	6709 VT2P	117	13,823	20.7	3,137	21,682	1.1	33.3	0.85 *	81.4 *	8.7	37.2	7.4	16.4	2.8	37.6	53.7	
Integra	6891 3110	118	11,598	20.6	2,993	17,371	1.1	27.9	0.79	75.9	9.6	26.2	9.5 *	21.7	2.7	46.4 *	59.1	
Integra	6915 TRE	119	14,230	19.8	3,226	23,697	1.1	35.5 *	0.84	80.5	9.2	37.4	6.4	17.3	2.5	38.0	59.1	
Pioneer	P17677YHR	117	15,300	26.2	3,038	22,857	1.0	29.5	0.80	77.5	8.9	29.0	9.6 *	20.1	3.1	43.9	59.9	
Pioneer	P2042VYHR	120	14,542	22.6	3,054	22,374	1.0	31.6	0.80	77.3	9.3	29.8	7.9	20.4	2.9	43.3	58.5	
Revere	1627 TC	116	12,373	17.8	3,254 *	20,255	1.3 *	34.8	0.82	78.8	9.4	34.6	7.3	18.9	2.5	40.0	65.3 *	
Revere	1839 TC	118	13,414	17.9	3,112	21,266	1.1	35.7 *	0.81	78.2	9.3	34.1	6.9	19.5	2.5	41.0	58.5	
SEEDWAY	SW 1880TR	118	15,241	20.8	3,184	24,495	1.0	35.6	0.84	80.7	9.1	37.3	4.9	17.1	2.8	38.2	56.6	
SEEDWAY	SW 8109V	117	11,318	19.8	2,885	16,202	1.0	27.7	0.76	73.6	9.4	21.0	10.7 *	23.9 *	2.8	49.9 *	58.6	
SEEDWAY	SX 18A22VT	118	14,171	21.3	3,168	22,756	1.0	33.1	0.83	80.1	9.6	38.2 *	7.1	17.7	3.0	37.2	55.3	
Stine	9753-20	115	12,739	17.3	3,252 *	20,934	1.1	36.2 *	0.84	80.7	9.0	38.6 *	7.4	17.1	2.3	37.8	61.7	
Stine	9754-20	113	12,695	17.7	3,216	20,501	1.0	36.1 *	0.84	80.9	9.7	38.1	7.2	16.9	2.9	37.8	60.7	
Stine	EXP23	119	12,914	19.6	3,117	20,187	1.0	32.4	0.82	78.9	9.3	33.4	7.5	18.8	2.4	41.2	59.0	
Sun Prairie Seeds	SPX 2907 SSP	117	14,589	21.6	3,227 *	23,496	1.1	34.7	0.86 *	82.0 *	8.7	39.9 *	7.4	15.9	2.7	36.2	57.7	
Mayo Ag / Syngenta	E114C4DV	114	12,424	19.7	3,024	18,787	1.1	31.1	0.80	76.7	9.1	29.5	9.7 *	20.9	3.3 *	43.0	58.8	
Mayo Ag / Syngenta	E117Z7D	117	13,445	19.3	3,175	21,433	1.1	34.2	0.84	80.2	9.3	34.6	7.0	17.6	2.7	39.0	58.6	
Mayo Ag / Syngenta	NK1480DV	114	12,819	21.3	3,150	20,283	1.1	30.2	0.80	77.5	9.5	33.1	8.7	20.1	3.3 *	40.5	62.1	
Mayo Ag / Syngenta	NK1755DV	117	11,742	21.7	3,035	17,473	1.0	28.3	0.81	78.3	9.4	30.9	8.6	19.4	3.4 *	41.7	56.2	
Mayo Ag / Syngenta	NK1838-3110	118	12,888	20.6	3,228	20,794	1.0	31.5	0.81	78.4	9.0	32.3	8.6	19.3	2.1	41.3	65.6 *	
University of Florida	FM 735	120	14,293	20.5	2,978	21,052	1.0	34.2	0.77	74.7	8.6	29.3	5.6	22.8 *	2.4	46.3 *	57.0	
University of Florida	IR 289	120	17,559 *	26.6 *	3,117	27,149 *	0.9	33.2	0.79	76.6	8.5	29.0	7.0	21.0	1.3	46.3 *	63.2	
Mean			13,803	21.0	3,115	21,579	1.1	32.7	0.82	78.7	9.1	33.6	7.8	19.0	2.7	40.9	58.1	
SE			2,242	3.1	93	3,581	0.1	2.4	0.03	2.3	0.6	4.2	1.2	2.2	0.5	3.0	4.3	

* indicates hybrids that performed similarly to the best hybrid, according to F-test at P < 0.05 ; n.s. means no statistical difference between hybrids. All mean reported are Least Square Means.

‡ Disease score - low values mean less disease incidence ; * Indicates hybrids with the most incidence of disease.

§Hybrids marked with "**" are on the top right quadrant of the production chart, with superior biomass production and superior milk production per ton of silage compared to averages.

Parameters:

Disease score: 1 = no disease; 2 = heavy disease (>75% incidence)

Milk per ton of silage' and 'Milk per acre of silage yield' were calculated using the Milk2006 formulas from the University of Wisconsin

DM, dry matter (%); NE_i, net energy for lactation (Mcal/100 lb DM), TDN, total digestible nutrients (% DM); CP, crude protein (% DM); starch (% DM); WSC, water soluble carbohydrates (% DM);

ADF, acid detergent fiber (% DM); ash (% DM); aNDF, amylase-corrected neutral detergent fiber (% DM); NDFD30, NDF digestibility (as % of NDF) at 30 h in rumen.

Disclosure

This hybrid test is conducted independently by UF/IFAS faculty and is open for all seed companies to enter hybrids for the test.

Management information

Trial was conducted at the Plant Science Research and Education Unit, in Citra, FL

Planting date March 21st, 2024 (Blocks 1,2 and 3). April 5th, 2024 (Block 4)

Planting rate was 32,600 seeds/Acre, 30-inch rows

Fertilizer Application LBS/Acre -N 280; P 56; K 225; divided in pre-incorporated, starter and 4 other applications

Pesticide application - Counter at planting, with Atrazine and Dual; Tebustar, Headline at 30-inch plant height, and Headline Amp at tasseling; Insecticide as needed (Belt SC, Cheminova malathion)
Trial was irrigated as needed
Harvests occurred between June 27th and July 1st, 2024

Contact
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