



Table 1. Productivity

Company	Hybrid	Relative maturity	Total Production	Estimated silage production (35% DM)	Milk production per ton	Milk production per acre	Disease score	NE _I
				<i>lb DM/A</i>	<i>Ton silage/A</i>	<i>lb milk/ton silage</i>	<i>lb milk/A</i>	<i>Mcal/lb DM</i>
AgraTech	88VT2P		7360	10.5	3056	11266	2.0 *	0.66 ns
AgraTech	908VIP		11298	16.1	3334	18842 *	0.9	0.70
Augusta seed	A4467-3220GT	117	10542	15.1	3448	18231 *	1.5	0.72
Croplan Genetics	S5700	118	10809	15.4	3440	18685 *	0.6	0.72
Croplan Genetics	S5900 vt2p	118	9310	13.3	3153	14734	1.3	0.68
	DKC64-44RIB							
Dekalb	SS	114	10418	14.9	3354	17469	1.5	0.71
Dekalb	DKC68-69 VT2P	118	10812	15.4	3294	17914	0.6	0.70
Dekalb	DKC69-16 SS	118	11226	16.0	3420	19287 *	0.5	0.72
	DKC69-99							
Dekalb	TRECEPTA	119	10709	15.3	3374	18035	1.3	0.71
Dekalb	DKC70-64 SS	119	12960 *	18.5 *	3325	21562 *	1.0	0.70
Local Seed	LC1688 SSX	116	10896	15.6	3395	18507 *	1.1	0.71
Local Seed	LC1898 TC	118	10272	14.7	3450	17792	1.3	0.72
Local Seed	LC1506 VT2P	115	11544 *	16.5 *	3392	19600 *	1.1	0.71
Local Seed	LC1707 VT2P	117	9601	13.7	3380	16249	1.4	0.71
Local Seed	LC1806 VT2P	117	10154	14.5	3400	17292	1.4	0.72
Pioneer	P30F35 VYHR	135	10975	15.7	3356	18409 *	0.0	0.71
Pioneer	P1847 VYHR	118	10932	15.6	3335	18216 *	1.4	0.70
Pioneer	P1903 YHR	118	10206	14.6	3417	17504	1.0	0.71
Syngenta	NK1573-5222	115	11017	15.7	3309	18183 *	1.8 *	0.70
Syngenta	NK1677-3110	116	12337 *	17.6 *	3431	21188 *	1.8 *	0.72
Syngenta	NK1748-3110	117	11607 *	16.6 *	3394	19773 *	1.4	0.71
Mean			10714	15.3	3355	18035	1.2	0.71
SE			693	1.0	85	1466	0.1	0.01

* indicates hybrids that performed similarly to the best hybrid, according to F-test at p<0.05. All mean reported are least square means.

Parameters:

Disease score: 0 = no disease 3 = 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_L, net energy for lactation (Mcal/lb DM)

Table 2. Nutritive value

Hybrid	TDN	CP	IVTDMD30	Starch	WSC	ADF	aNDF	dNDF30	NDFD30								
	% DM								% NDF								
88VT2P	68.6	n.s.	8.6	72.6	20.9	5.6	29.7	*	51.7	*	24.7	*	47.9	*			
908VIP	72.4		8.8	76.6	*	27.0	4.9	25.9	*	46.2	*	22.3	*	48.1	*		
A4467-3220GT	73.8		9.0	77.9	*	28.6	*	5.4	24.2	43.2		20.1		46.3	*		
S5700	73.4		8.6	78.4	*	30.4	*	5.7	23.5	42.1		18.9		44.8			
S5900 vt2p	69.5		8.6	72.7		22.9		6.6	*	28.2	*	49.6	*	21.7	*	43.5	
DKC64-44RIB SS	72.5		8.8	78.0	*	28.3	*	5.7	24.2	43.6		20.8		47.8	*		
DKC68-69 VT2P	71.3		8.4	75.3	*	30.2	*	4.9	24.4	44.4		19.0		42.6			
DKC69-16 SS	73.0		9.0	76.5	*	29.0	*	4.9	24.2	43.7		18.7		42.7			
DKC69-99 TRECEPTA	72.4		8.2	75.4	*	31.0	*	4.5	23.7	43.4		18.2		42.0			
DKC70-64 SS	71.8		8.8	74.8		25.7		6.7	*	25.3		45.2		19.4		42.8	
LC1688 SSX	72.8		8.8	77.8	*	30.6	*	5.7	23.0	41.7		18.9		45.2	*		
LC1898 TC	73.6		8.0	77.9	*	33.1	*	4.3	22.6	40.8		18.1		44.5			
LC1506 VT2P	72.9		8.4	77.7	*	30.2	*	5.3	24.2	42.9		19.7		45.9	*		
LC1707 VT2P	72.6		8.8	76.3	*	30.4	*	4.6	23.6	43.2		18.6		42.7			
LC1806 VT2P	72.8		8.3	75.5	*	33.6	*	3.5	23.4	41.6		17.5		42.0			
P30F35 VYHR	72.4	10.1	*	78.6	*	23.3		6.4	*	25.8	*	48.2	*	23.0	*	47.6	*
P1847 VYHR	72.5		8.8	75.8	*	24.3		5.3	27.2	47.4	*	22.0	*	46.5	*		
P1903 YHR	73.5		9.0	78.1	*	27.0		5.5	25.3	44.7		21.1		47.1	*		
NK1573-5222	71.8		9.0	76.2	*	27.7	*	6.2	*	24.9		44.1		20.3		45.9	*
NK1677-3110	73.5		8.5	78.6	*	30.8	*	5.5	23.6	42.9		19.8		46.3	*		
NK1748-3110	73.2		9.1	77.2	*	27.8	*	4.7	25.6	45.0		21.2		47.1	*		
Mean	72.4		8.7	76.6		28.2		5.3	24.9	44.6		20.2		45.2			
SE	1.1		0.2	1.2		2.3		0.3	1.4	2.0		1.2		1.1			

* indicates hybrids that performed similarly to the best hybrid, according to F-test at p<0.05. All means reported are least square means.

Parameters:

DM, dry matter (%); NEL, net energy for lactation (Mcal/lb DM), TDN, total digestible nutrients (% DM); CP, crude protein (% DM), IVTDMD30, in vitro true dry matter digestibility at 30h in rumen (% DM); starch (% DM); WSC, water soluble carbohydrates (% DM); ADF, acid detergent fiber (% DM); dNDF30, digestible NDF at 30 h in rumen; NDFD30, NDF digestibility (as % of NDF) at 30 h in rumen

Management information

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

Planting date July 8, 2020

Planting rate was 30,628 seeds/Acre, 30-inch rows;

Fertilizer Application LBS/Acre -N 270; P 56; K 211; Mg 16; S 36; Mn 10; Zn 4; divided in pre-incorporated, starter and 4 other applications; Last application over irrigation

Pesticide application - Counter at planting, with Athrazine, Prowl and Dual; Tebustar, Headline at 30-inch plant height, and Headline Amp at tasseling; Insecticide as needed, total 6 applications (Coragen, Besiege, Warrior and Belt)

Trial was irrigated as needed

Harvests occurred between Sep 28 and Oct 6, 2020

Disclosure

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

Contact

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