

Field Experiment History

Title: Silage Era Trials - Comparison of Old Hybrids
Experiment: 01 Era Trial
Personnel: J.G. Lauer, P.J. Flannery, K.D. Kohn, and H.M. Darby
Supported by: Hatch

Year: 1998

Experimental Procedure

Exp. Design: RCB

Replicates 3

Variables	Early		Late	
	NWDent	W346	Pride of No.	W554
	Golden Glow	W415	Silver King	W545
	MINN #13	W434	Funks YD	W601
	W255	W2343	W456	W5472
	W335	A554XCM105	W531	A641XMO17
	W416	W4363	W645	W540XB73
	W270	Pioneer 3905	W463	Cargill 4327
	W273	Mycogen 4120	W513	Dairyland 1407
	W335A	Dekalb DK401	W613	Pioneer 3394

Area Planted: 5' x 25'

Planting Equip: 4-row Kinze plot planter

Planting Rate: 25,000 seeds/a

Row Spacing: 30"

Field Information

Location	Soil Type	Previous Crop	Row Width (in)	Planting Date	Harvest Dates	Ave. Final Stand (plants/A)	Tillage Operations	--Soil Test--			--Nitrogen Fertilizer--			Weed Control	Insecticides
								pH	P	K	actual	form	time		
Arlington	Plano Silt Loam	Soybean	30	14-May	E: 4-Sept L: 23-Sept	23400	Chisel Plow Field Cultivator	6.9	91	292	125	46-0-0	preplant	Lasso 2 qts/A	None
Fond du Lac	Virgil Silt Loam	Soybean	30	13-May	18-Sept	23300	Moldboard Plow Field Cultivator	6.7	38	100	160	82-0-0	preplant	Accent Gold 2.9 oz/A	None
Lancaster	Rozetta Silt Loam	Soybean	30	6-May	17-Sept	24200	Soil finisher (2x)	7.3	50	170	140	82-0-0	preplant	Roundup 1.5 qts/A Dual II 2 pts/A Buctril 1.5 pts/A Atrazine .75 pts/A	None
Marshfield	Loyal Silt Loam	Alfalfa	30	24-Apr	15-Sept	23000	Moldboard Plow Pulvimulch	7.3	63	183	9	6-24-24	planting	Lasso 3 qts/A Buctril 1.5 pts/A Permit 1.3 oz/A	Lorsban 7lbs/A

Results: Table E-14 and E-15.

**Table E-14. Early Silage Era Trials- Comparison of Old Hybrids
Hybrid, Location, and Location by Hybrid - Harvest Data.
Arlington, Fond du Lac, Marshfield, WI - 1998.**

COMPANY	GENOTYPE	ENVIRONMENT	Whole Plant										Stover						
			Dry Matter		Kernel milk %	Crude Protein			Milk Per				Dry Matter		Crude				
			Yield T/A	Moisture %		Protein %	ADF %	NDF %	IVD %	CWD %	Ton lb/T	Acre lb/A	Yield T/A	Moist %	Protein %	ADF %	NDF %	IVD %	CWD %
DEKALB	DK 401		7.74	58.1	44	7.6	21.9	43.7	77.8	49.1	2104	16431	3.67	68.7	5.6	36.5	64.9	67.4	49.8
MYCOGEN	4120		8.39	56.4	24	7.6	22.5	44.6	78.3	51.2	2091	17643	3.49	66.6	5.5	36.5	65.4	67.5	50.4
PIONEER	3905		6.69	56.6	15	7.4	23.0	43.3	76.4	45.6	2041	14280	3.47	66.7	5.6	35.5	62.7	67.2	47.7
WISCONSIN	A554xCM105		6.34	50.9	13	8.1	22.3	44.7	77.2	49.2	2028	12533	3.03	62.7	5.5	38.3	68.8	66.1	50.8
WISCONSIN	GOLDEN GLOW		4.90	58.6	27	8.0	26.2	49.0	74.2	47.5	1670	8514	3.09	66.2	5.8	34.6	60.5	66.8	45.1
WISCONSIN	MINN#13		2.53	51.8	8	8.7	26.8	49.9	73.2	46.7	1568	4495	1.63	60.0	6.3	36.0	64.3	67.7	49.8
WISCONSIN	NWDENT		1.77	53.5	5	9.6	28.6	52.2	71.6	45.6	1378	2656	1.49	55.1	6.8	34.9	61.7	67.8	47.8
WISCONSIN	W255		4.81	52.0	12	8.4	21.7	42.6	77.8	47.6	2152	10516	2.25	65.0	6.0	34.5	62.6	69.3	51.1
WISCONSIN	W270		3.36	53.1	11	8.6	26.6	49.0	74.0	47.1	1654	6269	1.88	60.7	7.0	33.3	60.2	70.5	51.1
WISCONSIN	W335		5.69	56.2	18	7.6	24.0	46.1	76.4	48.9	1918	11541	3.03	66.3	5.7	35.8	64.1	68.2	50.4
WISCONSIN	W416		5.60	59.1	29	7.7	26.2	49.4	74.3	48.2	1656	9692	3.15	65.9	6.4	34.6	62.8	69.3	51.1
WISCONSIN	W434		6.50	56.7	23	7.4	22.9	44.2	77.1	48.3	2043	13598	3.21	67.3	6.1	35.7	64.7	68.7	51.7
WISCONSIN FOUNDATION SEED	W2343		5.00	53.9	19	8.2	23.7	46.0	76.3	48.5	1918	10061	3.47	63.2	6.3	33.6	61.8	71.0	53.4
WISCONSIN FOUNDATION SEED	W273		5.31	59.0	12	7.9	24.1	45.2	76.7	48.4	1972	10802	2.80	66.4	5.9	35.0	62.5	68.6	49.7
WISCONSIN FOUNDATION SEED	W335A		6.15	53.8	20	7.7	23.3	44.7	76.4	47.3	1984	12352	2.92	63.0	5.7	36.9	65.6	67.2	50.0
WISCONSIN FOUNDATION SEED	W346		5.06	55.9	18	7.7	22.0	43.3	78.1	49.6	2138	11205	2.77	64.4	6.1	34.5	62.6	70.2	52.5
WISCONSIN FOUNDATION SEED	W415		6.16	59.3	31	7.9	23.2	44.7	76.2	46.7	1967	12088	3.00	68.2	6.0	35.7	64.0	67.8	49.7
WISCONSIN FOUNDATION SEED	W4363		7.92	58.1	26	7.8	22.8	44.4	77.4	49.0	2050	16097	3.67	67.5	6.3	34.2	62.4	69.7	51.6
		ARL	7.66	67.6	48	8.6	23.4	45.0	77.7	50.6	2042	15905	3.77	76.2	7.1	36.5	63.7	67.7	49.3
		FON	5.39	49.9	8	7.6	25.6	47.3	73.8	44.6	1719	10082	2.98	59.2	5.3	34.4	62.3	68.7	49.9
		MAR	3.56	49.7	4	7.8	23.0	45.5	76.7	48.8	1961	7331	1.88	58.5	5.7	35.1	64.3	68.7	51.4
DEKALB	DK 401	ARL	8.75	70.9	82	8.5	23.6	46.0	77.2	50.4	1969	17334	4.34	78.5	7.5	36.9	64.6	68.0	50.5
MYCOGEN	4120	ARL	9.75	68.2	45	8.1	25.0	47.8	77.1	52.2	1887	18439	4.56	76.4	7.0	36.9	64.3	67.8	49.9
PIONEER	3905	ARL	9.61	67.4	45	8.2	21.6	41.2	79.1	49.3	2286	21981	4.45	76.9	6.7	36.2	63.1	67.5	48.5
WISCONSIN	A554xCM105	ARL	7.15	67.3	35	9.4	24.1	47.4	75.9	49.2	1835	13460	3.59	77.3	6.8	41.8	72.0	63.1	48.7
WISCONSIN	GOLDEN GLOW	ARL	6.88	72.7	57	8.7	27.0	49.3	74.8	49.2	1688	12409	4.51	75.7	6.4	33.0	56.5	68.7	44.5
WISCONSIN	MINN#13	ARL	4.57	60.9	22	9.2	23.3	44.8	76.9	48.5	2004	9173	2.58	71.5	6.8	36.6	64.8	67.9	50.5
WISCONSIN	NWDENT	ARL	2.81	62.0	15	10.1	25.0	46.5	75.1	46.4	1829	5159	2.48	65.5	7.1	35.4	61.1	67.9	47.5
WISCONSIN	W255	ARL	7.30	62.8	33	8.5	21.4	42.0	78.9	49.8	2245	16441	3.02	75.1	6.4	37.7	65.6	66.3	48.5
WISCONSIN	W270	ARL	6.07	65.5	28	8.6	23.3	44.8	78.2	51.4	2080	12830	2.75	73.9	7.5	34.5	61.4	70.4	51.8
WISCONSIN	W335	ARL	8.69	67.3	55	7.8	23.0	44.5	79.0	52.8	2137	18492	4.48	76.5	6.4	35.4	61.7	68.2	48.4
WISCONSIN	W416	ARL	8.03	69.6	67	8.4	23.6	45.5	77.8	51.3	2028	16340	4.27	77.8	7.5	35.6	63.2	69.0	51.0
WISCONSIN	W434	ARL	8.86	69.8	48	7.8	20.7	41.2	80.3	52.3	2357	20874	3.94	80.3	7.9	37.6	66.0	66.7	49.5
WISCONSIN FOUNDATION SEED	W2343	ARL	7.41	65.9	50	8.5	23.9	46.8	77.5	51.9	1952	14776	3.68	73.9	6.9	35.8	63.1	69.3	51.4
WISCONSIN FOUNDATION SEED	W273	ARL	7.38	70.7	35	8.6	23.8	44.6	78.0	50.6	2076	15550	3.69	78.9	7.0	36.5	62.9	67.4	48.1
WISCONSIN FOUNDATION SEED	W335A	ARL	8.61	68.3	55	8.7	22.2	43.9	78.9	51.9	2161	18571	4.09	77.3	7.2	36.4	63.8	67.5	49.1
WISCONSIN FOUNDATION SEED	W346	ARL	8.15	66.4	47	8.3	20.7	41.7	80.2	52.6	2327	19307	3.28	76.9	6.8	36.8	65.2	68.7	51.9
WISCONSIN FOUNDATION SEED	W415	ARL	7.86	71.8	75	8.8	25.3	47.9	76.0	50.1	1816	14686	3.71	80.6	7.6	37.2	64.4	66.5	47.8
WISCONSIN FOUNDATION SEED	W4363	ARL	9.90	69.3	62	8.8	23.1	44.9	78.2	51.4	2072	20465	4.43	78.8	7.6	36.3	63.8	68.3	50.4
DEKALB	DK 401	FON	8.99	52.0	28	7.3	22.2	43.5	76.7	46.5	2051	19466	4.21	64.4	5.0	35.2	63.6	68.3	50.2
MYCOGEN	4120	FON	9.18	50.4	15	7.3	21.6	42.4	78.8	50.1	2220	20788	3.82	64.5	4.5	36.1	64.9	67.4	49.8
PIONEER	3905	FON	6.01	49.8	0	6.8	24.8	45.0	73.8	41.9	1819	11891	3.79	61.6	5.4	33.0	59.0	68.9	47.4
WISCONSIN	A554xCM105	FON	7.26	45.4	3	7.2	25.0	47.8	74.8	47.3	1757	12707	3.26	56.8	4.6	37.8	68.1	65.7	49.6
WISCONSIN	GOLDEN GLOW	FON	4.28	50.7	22	7.3	27.5	50.9	72.9	46.7	1509	6558	2.59	60.2	5.2	35.5	62.4	66.5	46.3
WISCONSIN	MINN#13	FON	1.57	48.7	0	8.7	34.0	59.5	65.8	42.5	726	1243	1.22	56.4	6.0	35.6	63.5	67.4	48.6

continued

**Table E-14. Early Silage Era Trials- Comparison of Old Hybrids
Hybrid, Location, and Location by Hybrid - Harvest Data.
Arlington, Fond du Lac, Marshfield, WI - 1998.**

COMPANY	GENOTYPE	ENVIRONMENT	Whole Plant										Stover							
			Dry Matter		Kernel milk	Crude				Milk Per		Dry Matter		Crude		ADF	NDF	IVD	CWD	
			Yield	Moisture		Protein	ADF	NDF	IVD	CWD	Ton	Acre	Yield	Moist	Protein					ADF
T/A	%	%	%	%	%	%	lb/T	lb/A	T/A	%	%	%	%	%	%	%				
WISCONSIN	NWDENT	FON	1.34	55.1	0	9.4	33.0	57.4	67.5	43.4	917	1195	1.13	48.7	5.7	35.9	63.3	66.5	47.1	
WISCONSIN	W255	FON	4.25	44.2	2	8.2	22.3	42.3	76.4	43.6	2085	8887	2.49	56.6	5.5	33.4	61.0	69.8	50.5	
WISCONSIN	W270	FON	2.43	48.3	0	8.4	28.2	49.4	71.4	42.1	1490	3760	1.64	53.3	6.2	33.0	59.5	70.3	50.5	
WISCONSIN	W335	FON	4.92	48.5	0	6.9	25.1	46.7	74.3	44.7	1772	9307	2.85	61.1	5.3	35.6	64.5	68.4	51.0	
WISCONSIN	W416	FON	4.55	54.4	15	6.8	31.1	55.9	68.9	44.3	1062	4897	3.13	60.8	6.2	34.5	62.2	67.7	48.1	
WISCONSIN	W434	FON	6.44	52.4	18	7.1	23.9	43.8	74.8	42.5	1928	12352	3.96	62.8	4.8	34.4	62.6	69.4	51.1	
WISCONSIN FOUNDATION SEED	W2343	FON	5.09	46.9	8	8.0	22.8	43.7	76.6	46.4	2037	10477	3.73	55.5	6.1	30.5	58.8	74.0	56.7	
WISCONSIN FOUNDATION SEED	W273	FON	5.74	52.9	0	7.5	24.4	44.6	75.4	45.0	1925	11355	2.73	62.5	5.0	34.7	61.8	67.8	47.8	
WISCONSIN FOUNDATION SEED	W335A	FON	6.66	41.8	3	6.9	24.5	45.4	74.4	43.7	1836	12315	3.04	56.4	4.7	36.4	65.1	67.3	49.8	
WISCONSIN FOUNDATION SEED	W346	FON	4.08	52.3	5	7.2	24.1	45.1	75.9	46.4	1936	7962	2.80	61.2	5.3	33.8	60.9	70.2	51.2	
WISCONSIN FOUNDATION SEED	W415	FON	6.80	50.5	8	7.5	22.8	42.7	75.2	42.0	2001	13592	2.99	62.7	5.0	33.6	60.9	68.5	48.4	
WISCONSIN FOUNDATION SEED	W4363	FON	8.40	53.9	13	7.5	24.5	45.2	74.9	44.5	1877	15590	5.03	60.7	5.7	30.6	58.5	73.2	54.3	
DEKALB	DK 401	MAR	5.90	51.2	22	7.1	19.9	41.5	79.4	50.2	2291	13505	2.47	63.1	4.5	37.3	66.5	66.0	48.8	
MYCOGEN	4120	MAR	6.22	50.6	12	7.3	20.9	43.7	78.8	51.4	2166	13704	2.10	58.8	5.0	36.6	67.0	67.5	51.6	
PIONEER	3905	MAR	4.45	52.7	0	7.2	22.5	43.7	76.3	45.7	2018	8968	2.18	61.5	4.8	37.2	66.1	65.1	47.3	
WISCONSIN	A554xCM105	MAR	4.62	39.9	0	7.8	18.0	39.0	81.0	51.1	2493	11433	2.24	53.9	5.2	35.4	66.2	69.6	54.1	
WISCONSIN	GOLDEN GLOW	MAR	3.55	52.6	2	8.0	24.0	46.7	75.0	46.7	1813	6576	2.18	62.6	5.8	35.4	62.4	65.3	44.3	
WISCONSIN	MINN#13	MAR	1.46	45.8	3	8.2	23.2	45.5	76.8	49.1	1973	3067	1.10	52.0	6.1	35.7	64.6	67.8	50.2	
WISCONSIN	NWDENT	MAR	1.15	43.5	0	9.2	27.8	52.7	72.2	47.2	1389	1614	0.87	51.2	7.6	33.4	60.8	68.9	48.8	
WISCONSIN	W255	MAR	2.87	49.0	2	8.6	21.5	43.5	78.0	49.5	2127	6219	1.23	63.3	6.2	32.5	61.4	71.7	54.1	
WISCONSIN	W270	MAR	1.58	45.5	3	8.8	28.4	52.9	72.4	47.7	1393	2218	1.26	54.9	7.4	32.5	59.7	70.7	50.9	
WISCONSIN	W335	MAR	3.20	52.8	0	7.9	24.0	47.2	75.9	49.1	1846	6081	1.74	61.4	5.4	36.3	66.2	68.0	51.7	
WISCONSIN	W416	MAR	4.23	53.4	5	7.8	23.9	46.8	76.2	49.1	1877	7838	2.05	59.2	5.5	33.8	63.0	71.1	54.1	
WISCONSIN	W434	MAR	4.20	47.8	3	7.3	24.2	47.7	76.3	50.1	1846	7570	1.98	58.8	5.6	35.1	65.6	70.0	54.4	
WISCONSIN FOUNDATION SEED	W2343	MAR	2.49	48.9	0	8.1	24.3	47.5	74.8	47.2	1765	4931	2.16	60.3	5.9	34.4	63.6	69.5	52.1	
WISCONSIN FOUNDATION SEED	W273	MAR	2.80	53.6	0	7.7	24.0	46.5	76.6	49.7	1916	5501	1.99	57.7	5.7	33.8	62.8	70.5	53.2	
WISCONSIN FOUNDATION SEED	W335A	MAR	3.18	51.3	2	7.6	23.1	44.8	76.0	46.4	1954	6172	1.68	55.3	5.4	37.7	68.0	66.8	51.1	
WISCONSIN FOUNDATION SEED	W346	MAR	2.95	49.1	3	7.5	21.2	43.3	78.3	49.8	2151	6347	2.23	54.9	6.1	32.8	61.7	71.7	54.5	
WISCONSIN FOUNDATION SEED	W415	MAR	3.84	55.4	8	7.3	21.6	43.6	77.4	48.2	2085	7986	2.31	61.2	5.3	36.2	66.7	68.4	52.9	
WISCONSIN FOUNDATION SEED	W4363	MAR	5.46	51.1	3	7.1	20.7	43.0	79.0	51.0	2202	12235	2.01	63.1	5.6	35.9	64.9	67.7	50.2	
MEAN			5.54	55.7	20	8.0	24.0	46.0	76.1	48.0	1907	11119	2.86	64.7	6.0	35.3	63.4	68.4	50.2	
Probability (%)																				
Genotype			0.0	0.8	0.0	0.0	1.9	5.2	1.5	1.2	3.0	0.0	0.0	0.0	7.0	6.3	0.4	7.2	0.1	
Environment			0.0	0.0	0.0	0.0	1.2	4.9	0.5	0.0	1.3	0.0	0.0	0.0	0.0	0.3	10.4	5.8		
Genotype x Environment			1.9	2.4	0.6	3.7	0.0	0.2	0.2	40.6	0.1	1.3	6.8	16.7	2.5	24.6	16.2	51.4	70.3	
LSD (0.10)																				
Genotype			1.1	4.0	11.9	0.5	3.2	4.7	2.9	2.1	367	3479	0.6	3.2	0.8	2.2	2.9	2.4	2.5	
Environment			0.5	1.5	2.6	0.1	1.2	1.4	1.5	1.5	147	1300	0.2	0.9	0.2	0.5	0.7	NS	1.3	
Genotype x Environment			1.5	5.3	14.6	0.7	3.6	5.4	3.4	NS	418	4406	0.8	NS	1.0	NS	NS	NS	NS	
CV (%)			19	7	55	6	11	9	3	5	16	29	21	5	12	7	5	4	7	

**Table E-15. Late Silage Era Trials- Comparison of Old Hybrids
Hybrid, Location, and Location by Hybrid - Harvest Data.
Arlington, Fond du Lac, Lancaster, WI - 1998.**

COMPANY	GENOTYPE	ENVIRONMENT	Whole Plant										Stover						
			Dry Matter		Kernel milk	Crude Protein	ADF	NDF	IVD	CWD	Milk Per		Dry Matter		Crude		IVD	CWD	
			Yield	Moisture							Ton	Acre	Yield	Moist	Protein	ADF			NDF
T/A	%	%	%	%	%	lb/T	lb/A	T/A	%	%	%	%	%	%					
WISCONSIN	A641xMO17		9.4	52.2	7	7.3	22.2	42.7	77.6	47.5	2133	20337	4.41	61.6	4.8	38.4	67.1	65.7	48.8
CARGILL	4327		9.0	65.1	33	7.4	21.6	41.6	78.5	48.2	2238	20694	4.49	73.9	5.7	36.1	62.2	67.1	47.1
DAIRYLAND	STEALTH 1407		11.2	59.9	33	6.7	22.0	42.0	78.4	48.6	2215	25446	5.26	70.5	6.1	34.2	60.6	69.4	49.7
OPEN POLLINATED	FUNKS YELLOW DENT		6.0	66.3	31	8.1	25.4	47.6	75.7	49.2	1816	10914	3.97	69.9	6.5	33.7	60.0	69.0	48.4
WISCONSIN	PRIDE OF NO.		4.9	55.6	11	8.1	24.7	46.0	75.1	45.9	1853	9042	2.96	63.6	5.7	36.2	63.2	66.6	47.0
PIONEER	3394		11.1	63.3	33	7.1	21.5	41.7	79.7	51.3	2303	25914	6.13	72.7	5.6	37.0	64.0	67.0	48.5
WISCONSIN	SILVER KING		3.0	62.1	13	8.5	29.6	53.0	69.8	43.0	1236	4303	2.51	66.5	6.3	34.1	60.5	68.7	48.4
WISCONSIN	W456		6.2	52.2	8	7.5	24.8	46.3	75.5	47.0	1856	11607	3.40	63.6	5.1	37.1	65.1	66.7	48.9
WISCONSIN	W463		7.7	58.0	10	7.7	24.0	44.6	75.4	44.8	1928	15626	3.70	69.5	5.8	34.8	61.0	68.0	47.5
WISCONSIN	W513		8.1	58.1	11	8.1	22.9	43.5	76.3	45.6	2030	16548	3.87	71.4	5.9	35.4	62.3	67.4	47.6
WISCONSIN	W531		5.9	58.9	6	7.4	24.9	46.7	75.2	46.8	1825	10982	3.45	64.3	5.6	35.3	62.7	68.1	49.2
WISCONSIN	W540xB73		10.6	64.2	36	7.3	23.9	44.8	77.0	48.8	2012	21466	5.05	72.9	5.9	34.8	60.9	68.0	47.5
WISCONSIN	W545		7.9	59.8	12	7.7	22.7	43.2	77.4	47.8	2107	16782	4.24	68.8	6.3	33.8	61.0	69.9	51.0
WISCONSIN FOUNDATION SEED	W5472		9.5	55.2	4	7.9	21.7	42.0	77.6	46.8	2166	20790	4.14	68.3	5.6	36.3	63.9	66.9	48.2
WISCONSIN	W554		7.6	57.8	15	8.0	25.6	47.9	74.7	47.2	1743	13534	3.66	68.8	6.1	36.4	64.3	67.3	49.2
WISCONSIN	W601		6.9	56.8	17	7.7	22.8	43.7	77.2	47.8	2069	14313	3.64	68.4	5.6	36.3	64.0	67.2	48.8
WISCONSIN	W613		7.1	57.7	13	7.8	24.6	46.7	75.4	47.2	1836	13024	3.80	67.8	5.8	36.5	64.4	67.1	48.8
WISCONSIN	W645		7.5	50.7	9	7.2	22.1	44.1	77.5	49.2	2071	15684	3.29	61.7	5.0	36.7	65.6	67.7	50.7
		ARL	8.7	62.4	14	7.7	23.7	43.7	77.3	48.3	2077	18714	4.48	71.5	5.7	36.6	63.3	67.3	48.3
		FON	6.9	56.7	29	7.4	24.8	46.9	75.1	47.1	1814	13132	3.63	65.9	5.5	34.2	61.5	68.8	49.3
		LAN	7.7	56.6	7	7.7	22.7	44.0	76.5	46.7	2016	15935	3.91	66.7	6.0	36.4	64.0	66.9	48.3
WISCONSIN	A641xMO17	ARL	11.9	59.1	10	7.4	21.9	41.0	78.9	48.5	2283	26673	5.13	69.8	4.9	37.5	64.9	66.8	48.8
CARGILL	4327	ARL	10.8	64.3	33	7.3	21.7	40.2	79.4	48.6	2348	26059	4.91	76.3	4.9	36.4	61.6	67.6	47.3
DAIRYLAND	STEALTH 1407	ARL	12.1	62.8	40	7.1	22.2	41.6	79.1	49.7	2274	27858	5.53	73.7	5.6	36.8	63.3	67.2	48.1
OPEN POLLINATED	FUNKS YELLOW DENT	ARL	6.1	68.7	18	7.8	25.9	47.1	76.3	49.7	1866	11386	3.80	71.3	6.1	35.3	61.0	67.9	47.4
WISCONSIN	PRIDE OF NO.	ARL	4.8	58.1	7	8.0	25.2	45.7	76.4	48.4	1933	9282	3.52	67.3	5.8	36.2	62.6	66.3	46.2
PIONEER	3394	ARL	13.7	63.7	35	7.2	20.1	39.1	81.3	52.1	2507	34403	5.73	76.3	5.6	40.2	67.8	64.7	48.0
WISCONSIN	SILVER KING	ARL	2.7	68.4	8	9.1	29.5	50.7	70.9	42.7	1402	3829	2.91	69.6	6.8	32.0	56.4	70.9	48.4
WISCONSIN	W456	ARL	6.4	58.5	5	7.6	25.5	46.5	75.9	48.1	1872	12072	3.94	65.2	5.1	38.3	66.5	65.8	48.6
WISCONSIN	W463	ARL	10.0	63.4	13	7.7	22.9	42.2	77.4	46.4	2149	21783	4.89	73.2	5.7	35.5	61.2	67.8	47.4
WISCONSIN	W513	ARL	8.7	64.4	7	8.2	22.7	42.2	78.5	49.2	2212	19189	4.56	75.1	6.0	35.8	62.2	68.0	48.5
WISCONSIN	W531	ARL	7.0	60.0	3	7.7	23.7	43.7	77.1	47.7	2063	14483	3.94	65.9	5.7	35.8	62.8	68.2	49.3
WISCONSIN	W540xB73	ARL	12.0	67.5	33	7.3	25.5	45.8	75.7	47.0	1895	22842	6.23	74.7	5.3	37.0	63.6	66.7	47.6
WISCONSIN	W545	ARL	8.3	64.3	0	7.6	22.7	42.1	78.6	49.2	2221	18528	5.23	69.9	7.0	31.6	57.9	72.8	53.7
WISCONSIN FOUNDATION SEED	W5472	ARL	10.3	59.1	2	8.1	21.8	41.2	78.5	47.9	2251	23560	4.12	72.0	5.3	37.5	64.7	66.1	47.6
WISCONSIN	W554	ARL	8.2	63.7	13	8.0	25.4	46.4	76.2	48.8	1899	15583	4.25	72.7	5.9	38.9	67.5	65.6	49.1
WISCONSIN	W601	ARL	8.0	62.2	5	7.9	23.9	43.7	76.7	46.6	2041	16290	3.82	73.1	5.5	36.5	63.1	67.2	47.9
WISCONSIN	W613	ARL	8.6	61.5	7	7.7	25.1	46.4	75.8	47.9	1876	15464	4.59	74.4	5.7	37.5	64.6	65.8	47.0
WISCONSIN	W645	ARL	8.4	53.7	2	7.3	20.8	41.6	79.4	50.3	2287	19136	3.39	65.7	5.0	39.1	68.5	65.3	49.4
WISCONSIN	A641xMO17	FON	7.8	51.5	10	7.0	24.0	46.5	75.3	47.0	1840	15226	3.73	57.2	4.6	38.8	69.0	65.0	49.2
CARGILL	4327	FON	9.4	62.9	50	7.4	22.1	42.7	77.8	47.9	2148	20954	4.59	71.8	5.8	34.8	61.4	68.2	48.2
DAIRYLAND	STEALTH 1407	FON	10.0	60.0	35	6.2	23.4	43.2	77.2	47.3	2090	22035	5.34	66.9	6.1	29.9	55.8	74.0	53.7
OPEN POLLINATED	FUNKS YELLOW DENT	FON	6.1	62.2	58	7.9	22.2	43.5	78.4	50.3	2147	13094	3.93	68.9	6.3	31.2	57.5	71.4	50.4
WISCONSIN	PRIDE OF NO.	FON	4.7	54.1	20	7.9	24.2	45.9	75.4	46.5	1872	8972	2.51	62.9	6.0	34.6	61.3	67.8	47.3
PIONEER	3394	FON	8.0	64.3	50	6.6	22.9	43.4	78.9	51.4	2180	17312	6.87	71.3	4.9	34.8	60.5	68.6	48.1
WISCONSIN	SILVER KING	FON	2.3	54.1	32	8.2	34.1	60.7	65.6	43.4	662	2099	2.09	64.5	5.8	34.0	61.4	68.6	48.8
WISCONSIN	W456	FON	6.1	49.1	18	7.5	24.6	46.5	75.3	46.9	1838	11237	3.26	63.7	5.2	35.4	63.5	68.2	49.9
WISCONSIN	W463	FON	5.0	57.8	17	7.5	27.4	50.0	72.2	44.4	1509	7857	2.09	68.0	5.3	34.7	61.5	67.6	47.4
WISCONSIN	W513	FON	7.6	56.3	25	7.9	23.7	45.2	74.5	43.4	1851	13938	3.00	68.7	5.4	34.0	61.2	67.9	47.5

continued

**Table E-15. Late Silage Era Trials- Comparison of Old Hybrids
Hybrid, Location, and Location by Hybrid - Harvest Data.
Arlington, Fond du Lac, Lancaster, WI - 1998.**

COMPANY	GENOTYPE	ENVIRONMENT	Whole Plant										Stover						
			Dry Matter		Kernel milk	Crude Protein	ADF	NDF	IVD	CWD	Milk Per		Dry Matter		Crude				
			Yield	Moisture							lb/T	lb/A	Yield	Moist	Protein	ADF	NDF	IVD	CWD
WISCONSIN	W531	FON	6.6	55.0	10	7.2	26.6	50.5	73.6	47.7	1569	11000	3.28	62.6	5.2	34.3	61.6	69.0	49.6
WISCONSIN	W540xB73	FON	8.9	62.6	55	7.1	24.1	45.2	76.4	47.8	1960	17631	3.58	69.2	5.9	31.6	57.2	71.0	49.5
WISCONSIN	W545	FON	7.4	58.6	27	7.6	23.7	44.9	76.1	47.0	1958	14945	3.64	69.2	5.8	33.5	60.2	68.9	48.5
WISCONSIN FOUNDATION SEED	W5472	FON	8.0	54.6	10	7.6	23.4	44.5	75.5	45.0	1938	15503	3.88	66.1	4.9	35.4	63.4	67.6	48.9
WISCONSIN	W554	FON	7.5	51.9	25	8.0	27.3	50.8	71.9	44.8	1458	11513	3.35	66.0	6.2	34.1	62.0	69.0	49.9
WISCONSIN	W601	FON	5.7	56.9	33	7.4	23.5	45.1	77.0	49.0	2001	11264	3.72	66.0	5.3	35.4	63.4	68.1	49.7
WISCONSIN	W613	FON	5.7	56.9	33	8.0	24.9	47.9	75.5	48.7	1788	10532	2.96	63.5	6.0	34.5	62.7	68.3	49.4
WISCONSIN	W645	FON	6.4	51.0	22	7.1	23.7	47.4	75.9	49.4	1835	11767	2.78	59.2	4.9	35.2	64.3	68.7	51.3
WISCONSIN	A641xMO17	LAN	9.3	45.9	0	7.4	20.7	40.7	78.5	47.0	2276	21223	4.36	57.9	4.9	38.8	67.4	65.3	48.5
CARGILL	4327	LAN	6.9	68.1	17	7.5	21.1	41.8	78.3	48.1	2219	15156	3.96	73.7	6.5	37.1	63.6	65.6	45.9
DAIRYLAND	STEALTH 1407	LAN	11.1	56.9	23	6.7	20.4	41.1	78.9	48.7	2281	25308	5.00	71.0	6.6	35.8	62.6	67.0	47.2
OPEN POLLINATED	FUNKS YELLOW DENT	LAN	5.7	67.9	15	8.5	28.1	52.2	72.6	47.6	1434	8261	4.17	69.4	7.1	34.7	61.4	67.8	47.5
WISCONSIN	PRIDE OF NO.	LAN	5.1	54.5	7	8.6	24.6	46.3	73.6	43.0	1752	8848	2.83	60.7	5.3	38.0	65.8	65.6	47.6
PIONEER	3394	LAN	11.7	61.8	15	7.5	21.6	42.4	78.9	50.3	2223	26027	5.81	70.5	6.3	36.0	63.8	67.7	49.4
WISCONSIN	SILVER KING	LAN	3.8	63.8	0	8.3	25.2	47.7	72.8	43.0	1643	6247	2.52	64.8	6.2	37.6	65.4	65.8	47.6
WISCONSIN	W456	LAN	6.2	49.1	0	7.5	24.1	45.9	75.2	46.0	1859	11513	2.99	62.0	5.2	37.5	65.3	66.1	48.0
WISCONSIN	W463	LAN	8.1	53.0	0	7.9	21.9	41.6	76.6	43.6	2128	17239	3.58	67.4	6.5	34.1	60.2	68.5	47.7
WISCONSIN	W513	LAN	8.1	53.5	0	8.1	22.3	43.1	76.0	44.2	2028	16516	3.74	70.4	6.3	36.3	63.6	66.3	46.9
WISCONSIN	W531	LAN	4.1	61.7	3	7.3	24.5	45.8	74.8	45.0	1844	7463	3.14	64.4	6.0	36.0	63.8	67.2	48.6
WISCONSIN	W540xB73	LAN	11.0	62.5	18	7.4	22.1	43.4	78.9	51.4	2182	23925	5.34	74.9	6.3	35.9	61.9	66.3	45.5
WISCONSIN	W545	LAN	7.9	56.5	5	7.8	21.6	42.5	77.6	47.3	2142	16873	3.85	67.2	6.0	36.2	64.9	68.0	50.8
WISCONSIN FOUNDATION SEED	W5472	LAN	10.1	51.9	0	8.1	19.9	40.4	78.8	47.5	2308	23305	4.34	66.8	6.5	36.0	63.7	66.9	48.1
WISCONSIN	W554	LAN	7.2	57.6	7	8.1	24.2	46.5	75.8	48.1	1872	13505	3.39	67.6	6.3	36.1	63.5	67.4	48.6
WISCONSIN	W601	LAN	7.1	51.4	12	7.9	21.1	42.4	77.8	47.6	2164	15385	3.49	66.0	5.9	37.1	65.5	66.4	48.7
WISCONSIN	W613	LAN	7.4	54.6	0	7.6	23.8	45.8	74.9	45.0	1845	13890	3.87	65.5	5.6	37.3	65.8	67.1	50.0
WISCONSIN	W645	LAN	7.7	47.5	5	7.3	21.9	43.4	77.3	47.7	2092	16148	3.71	60.2	5.3	35.8	64.0	69.0	51.5
MEAN			7.8	58.5	17	7.6	23.7	44.9	76.3	47.4	1969	15963	4.00	68.0	5.7	35.7	63.0	67.6	48.6
Probability (%)																			
Genotype			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	4.5	1.3	25.1	4.5
Environment			0.0	0.4	0.0	9.2	1.4	0.7	0.8	6.5	0.6	0.3	0.0	0.8	5.2	0.3	4.5	0.4	13.4
Genotype x Environment			1.7	53.7	4.7	92.0	4.8	5.4	4.5	25.8	4.2	3.5	6.5	13.1	6.4	0.8	0.5	10.0	90.4
LSD (0.10)																			
Genotype			1.5	4.2	9.7	0.3	2.2	3.2	2.2	2.1	260	4027	0.7	2.6	0.6	2.1	3.0	2.2	1.9
Environment			0.4	2.3	7.0	0.2	0.9	1.3	0.9	1.0	104	1701	0.2	2.4	0.3	0.8	1.5	0.7	0.9
Genotype x Environment			1.9	NS	13.2	NS	3.0	4.4	3.0	NS	351	5371	1.0	3.8	0.8	2.7	3.7	3.2	3.9
CV (%)			18	9	58	7	9	7	3	5	13	25	18	4	10	5	4	3	6