

Field Experiment History

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

Year: 1997

Experimental Procedure

Exp. Design: RCB
 Replicates: 3
 Variables: Hybrids:

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-- pH P K --(ppm)--	--Nitrogen Fertilizer-- form (lb/a)	Weed Control	Insecticides	
Arlington	Plano Silt Loam	Soybean	30	6-May	3-Oct	21,240	Chisel Plow Field Cultivator	7.0 48 240 150 9	46-0-0 6-24-24	preplant planting	Frontier 20 oz/A Bladex 90DF 2.2 lbs/A Banvel 1pt/A	None
Fond du Lac	Virgil Silt Loam	Soybean	30	28-Apr	22-Sept		Moldboard Plow Field Cult.(2x)	7.2 69 180 160 9	82-0-0 6-24-24	preplant planting	Exceed 0.88oz/A	None
Lancaster	Rozetta Silt Loam	Corn	30	10-May	9-Oct	21,024	Chisel Plow Soil finisher	7.1 90 238 148	82-0-0	preplant	Dual II 1qt/A Exceed 1oz/A	Lorsban 7lbs/A
Marshfield	Loyal Silt Loam	Soybean	30	12-May	6-Oct.	23,940	Moldboard Plow Disk Pulvimulch		12000 gal/A Manure 18 9-23-30	planting	Partner 2lbs/A Buctril 1pt/A	None

Results: Table E-6 and E-7.

**Table E-6. Early Silage Era Trials- Comparison of Old Hybrids
Hybrid, Location, and Location by Hybrid - Harvest Data.
Arlington, Fond du Lac, Marshfield, WI - 1997.**

COMPANY	ENTRY	LOC	Whole Plant										Stover							
			Kernel	Dry Matter	Crude			Milk Per		Dry Matter		Crude								
			milk	Yield	Protein	ADF	NDF	IVD	CWD	Acre	Ton	Yield	Moist	Protein	ADF	NDF	IVD	CWD		
%	T/A	%	%	%	%	%	lb/A	lb/T	T/A	%	%	%	%	%	%					
MYCOGEN SEEDS	4120		53.0	6.47	63.5	7.90	22.8	46.2	77.5	51.3	12808	1981	3.37	72.5	6.56	36.8	66.7	68.8	53.2	
PIONEER	3905		37.0	5.35	62.2	7.66	21.2	41.4	79.0	49.3	12230	2273	2.55	74.1	6.78	35.4	63.1	69.2	51.3	
WISCONSIN FOUNDATION SEED	W335A		43.0	4.85	64.5	8.42	23.9	46.5	77.1	50.8	9434	1945	2.42	72.1	7.11	35.1	63.7	69.7	52.3	
WISCONSIN FOUNDATION SEED	W346		35.0	3.47	63.6	8.43	25.0	48.1	75.9	49.9	6842	1806	1.83	69.7	7.11	34.1	62.0	70.7	52.7	
WISCONSIN FOUNDATION SEED	W415		49.0	4.71	66.6	8.15	23.0	45.0	77.7	50.3	9599	2043	2.40	75.7	7.44	33.7	61.8	71.3	53.5	
WISCONSIN FOUNDATION SEED	W273		32.0	4.14	66.3	8.21	24.1	46.2	76.5	49.2	8209	1922	2.26	73.4	7.44	34.4	62.6	70.1	52.2	
WISCONSIN FOUNDATION SEED	W2343		34.0	3.76	62.3	8.66	24.7	47.7	75.8	49.5	7290	1820	2.37	68.4	7.13	34.8	62.9	69.6	51.7	
WISCONSIN FOUNDATION SEED	W4363		43.0	5.69	66.5	7.81	23.1	45.8	78.5	53.0	11602	2054	3.58	73.7	7.11	32.4	59.4	72.6	53.9	
DEKALB	DK401		71.0	5.92	67.0	7.93	22.3	45.0	78.1	51.2	12300	2068	2.66	74.9	6.78	35.9	64.8	70.0	53.7	
WISCONSIN	NWDENT		14.0	1.48	62.3	10.13	31.0	56.9	69.9	47.2	1516	1076	1.64	64.7	8.00	33.1	60.5	71.3	52.4	
WISCONSIN	GOLD. GLOW		50.0	3.81	68.0	8.09	27.2	50.8	74.6	50.2	5981	1612	2.48	73.2	6.89	35.3	63.3	68.8	50.7	
WISCONSIN	MINN13		34.0	1.46	63.2	9.60	30.0	55.7	71.0	48.0	1678	1192	1.52	66.7	7.44	33.7	60.7	70.1	50.7	
WISCONSIN	W255		30.0	3.82	62.9	8.27	25.8	49.9	75.0	50.0	6688	1678	1.79	68.7	7.00	35.2	64.0	69.4	52.3	
WISCONSIN	W335		36.0	4.19	66.8	8.27	26.3	50.1	75.2	50.6	7150	1677	2.64	71.2	6.89	35.4	63.8	69.6	52.1	
WISCONSIN	W416		52.0	4.64	66.6	8.23	23.7	46.7	77.2	51.1	8837	1935	2.57	73.3	7.11	34.1	62.2	70.8	53.1	
WISCONSIN	W270		38.0	2.91	62.0	8.60	26.3	49.4	74.7	48.7	5018	1676	2.00	65.8	7.67	33.8	61.8	71.4	53.7	
WISCONSIN	W434		55.0	5.59	67.0	7.82	23.3	46.2	77.8	52.0	10761	1995	2.72	75.7	7.11	35.0	63.2	70.3	53.1	
WISCONSIN	A554xCM105		25.0	4.83	60.1	8.45	23.0	45.9	77.1	50.1	9589	1971	2.34	69.4	6.75	36.8	66.9	68.4	52.7	
MYCOGEN SEEDS	4120	ARL	75.0	7.76	65.9	7.95	23.4	45.8	76.7	49.1	15091	1951	4.73	72.4	6.67	35.3	63.3	69.3	51.6	
PIONEER	3905	ARL	62.0	6.49	63.4	7.79	20.2	38.7	79.9	48.0	15822	2443	3.76	75.6	7.00	34.3	60.7	70.0	50.5	
WISCONSIN FOUNDATION SEED	W335A	ARL	62.0	6.25	68.3	8.73	25.1	47.5	75.7	48.9	11499	1820	3.68	71.8	7.33	34.0	61.0	70.0	50.9	
WISCONSIN FOUNDATION SEED	W346	ARL	47.0	5.58	65.6	8.11	22.6	43.5	77.8	48.9	11854	2113	2.49	73.3	7.00	34.3	61.3	70.0	51.1	
WISCONSIN FOUNDATION SEED	W415	ARL	63.0	5.74	68.0	8.45	23.5	44.7	76.0	46.3	11307	1962	3.23	74.1	8.00	32.3	59.0	71.0	50.9	
WISCONSIN FOUNDATION SEED	W273	ARL	48.0	6.15	67.4	8.09	23.8	44.3	76.8	47.8	12463	2023	3.71	73.2	8.00	34.7	61.0	69.0	49.2	
WISCONSIN FOUNDATION SEED	W2343	ARL	37.0	5.15	65.5	8.91	24.1	46.4	75.8	47.7	9581	1875	3.91	69.4	7.00	34.3	61.3	69.7	50.5	
WISCONSIN FOUNDATION SEED	W4363	ARL	55.0	6.38	69.9	8.32	23.6	45.4	77.7	51.1	12391	2026	5.04	72.9	7.00	31.0	55.7	73.3	52.1	
DEKALB	DK401	ARL	82.0	6.18	69.3	8.18	22.5	43.9	78.1	50.1	13202	2114	2.74	74.8	7.33	34.3	61.3	70.3	51.6	
WISCONSIN	NWDENT	ARL	28.0	2.12	68.7	10.84	32.9	59.1	67.2	44.5	1714	826	2.77	69.2	8.33	34.7	60.7	68.0	47.3	
WISCONSIN	GOLDEN GLOW	ARL	60.0	4.76	69.8	8.70	28.7	51.4	71.8	45.1	6778	1429	3.43	74.3	7.33	35.0	61.3	68.3	48.3	
WISCONSIN	MINN13	ARL	62.0	2.11	68.6	10.63	32.3	58.4	67.7	44.6	1947	882	2.70	68.1	7.67	34.7	60.7	67.3	46.1	
WISCONSIN	W255	ARL	47.0	6.80	63.5	8.34	25.6	49.3	74.7	48.7	11339	1682	2.69	69.8	7.00	36.0	64.0	68.0	50.0	
WISCONSIN	W335	ARL	58.0	5.92	68.9	8.53	25.8	48.0	75.9	49.9	10571	1807	4.57	73.2	7.00	33.0	58.3	70.3	49.0	
WISCONSIN	W416	ARL	57.0	5.57	69.6	8.76	25.6	48.8	75.0	48.7	9506	1724	3.60	72.0	7.67	33.0	60.3	71.3	52.5	
WISCONSIN	W270	ARL	43.0	4.55	63.2	8.57	26.8	48.4	73.9	45.9	7605	1674	3.39	66.6	7.67	33.7	60.0	70.7	51.1	
WISCONSIN	W434	ARL	58.0	6.57	71.8	8.05	24.4	46.7	76.3	49.3	12350	1888	4.37	75.7	7.00	34.3	60.7	70.0	50.5	
WISCONSIN	A554xCM105	ARL	47.0	5.73	63.2	8.58	24.0	46.9	75.8	48.2	10926	1850	3.00	70.6	7.00	36.3	65.3	68.0	51.0	
MYCOGEN SEEDS	4120	FON	45.0	5.64	62.3	7.96	22.1	45.5	78.6	52.9	11685	2069	2.64	72.3	7.00	35.7	66.3	70.3	55.3	
PIONEER	3905	FON	18.0	3.63	60.4	7.72	21.8	42.9	79.0	51.1	7973	2206	1.66	71.3	6.67	34.0	62.0	71.3	53.8	
WISCONSIN FOUNDATION SEED	W335A	FON	30.0	3.55	62.2	8.50	24.2	46.7	77.0	50.8	6879	1929	1.88	70.1	7.00	34.0	62.3	71.0	53.4	
WISCONSIN FOUNDATION SEED	W346	FON	38.0	1.21	63.3	9.39	28.8	53.3	72.4	48.2	1685	1376	1.08	65.3	7.33	30.7	56.7	73.7	53.5	
WISCONSIN FOUNDATION SEED	W415	FON	42.0	3.62	65.0	8.19	22.8	44.6	79.0	52.9	7732	2134	2.02	74.2	7.67	34.3	63.7	72.0	56.0	
WISCONSIN FOUNDATION SEED	W273	FON	28.0	2.43	66.3	8.50	26.9	50.6	74.4	49.3	3941	1612	1.50	71.5	7.33	32.3	60.7	72.7	54.9	
WISCONSIN FOUNDATION SEED	W2343	FON	48.0	1.44	61.2	9.34	27.9	52.1	72.4	47.2	2083	1430	0.95	63.0	8.00	31.5	58.5	73.0	53.8	
WISCONSIN FOUNDATION SEED	W4363	FON	50.0	5.05	64.6	7.55	23.5	47.1	78.4	54.1	10061	1991	2.82	72.2	7.33	31.3	59.3	74.3	56.9	
DEKALB	DK401	FON	63.0	5.26	64.8	7.84	22.6	46.5	78.5	53.8	10683	2026	2.20	74.7	7.00	35.7	65.3	70.7	55.1	

continued

**Table E-6. Early Silage Era Trials- Comparison of Old Hybrids
Hybrid, Location, and Location by Hybrid - Harvest Data.
Arlington, Fond du Lac, Marshfield, WI - 1997.**

COMPANY	ENTRY	LOC	Whole Plant										Stover						
			Kernel	Dry Matter	Crude			Milk Per		Dry Matter		Crude							
			milk	Yield	Protein	ADF	NDF	IVD	CWD	Acre	Ton	Yield	Moist	Protein	ADF	NDF	IVD	CWD	
%	T/A	%	%	%	%	%	lb/A	lb/T	T/A	%	%	%	%	%	%	%			
WISCONSIN	GOLDEN GLOW	FON	50.0	3.51	66.8	8.04	26.9	51.3	75.7	52.7	5807	1651	2.14	72.9	7.00	34.3	62.7	70.0	52.2
WISCONSIN	MINN13	FON	35.0	0.93	60.4	9.58	29.9	55.4	71.3	48.3	1123	1225	1.09	62.6	7.33	31.3	58.0	73.0	53.4
WISCONSIN	W255	FON	28.0	0.81	67.5	8.82	28.2	52.6	73.0	48.8	1224	1438	0.98	67.4	7.67	32.7	60.3	71.7	53.1
WISCONSIN	W335	FON	23.0	2.51	65.9	8.77	26.7	51.0	74.8	50.7	4140	1615	1.15	67.9	7.00	34.7	63.3	71.0	54.2
WISCONSIN	W416	FON	50.0	4.16	65.2	7.90	23.2	46.1	78.7	53.6	8525	2052	1.97	73.8	7.00	33.3	61.3	72.0	54.4
WISCONSIN	W270	FON	47.0	1.37	64.3	9.44	28.9	53.6	72.4	48.4	1800	1362	0.96	64.2	8.67	31.0	57.7	73.3	53.7
WISCONSIN	W434	FON	52.0	4.46	65.8	7.84	22.0	44.1	79.8	54.1	10086	2204	1.84	75.0	7.33	33.7	62.7	72.3	55.8
WISCONSIN	A554xCM105	FON	13.0	3.95	60.8	8.42	23.1	45.6	78.4	52.7	8160	2055	1.90	67.9	6.50	34.0	63.5	72.0	55.9
MYCOGEN SEEDS	4120	MAR	40.0	6.00	62.5	7.80	22.7	47.2	77.3	51.9	11648	1922	2.76	72.9	6.00	39.3	70.3	66.7	52.6
PIONEER	3905	MAR	30.0	5.92	62.7	7.46	21.5	42.7	78.2	48.9	12895	2169	2.24	75.3	6.67	38.0	66.7	66.3	49.5
WISCONSIN FOUNDATION SEED	W335A	MAR	38.0	4.75	63.0	8.02	22.3	45.2	78.6	52.7	9925	2086	1.68	74.5	7.00	37.3	67.7	68.0	52.7
WISCONSIN FOUNDATION SEED	W346	MAR	20.0	3.63	61.8	7.78	23.6	47.4	77.5	52.5	6989	1929	1.91	70.5	7.00	37.3	68.0	68.3	53.5
WISCONSIN FOUNDATION SEED	W415	MAR	42.0	4.78	66.9	7.80	22.6	45.6	78.0	51.7	9758	2032	1.94	78.7	6.67	34.3	62.7	71.0	53.7
WISCONSIN FOUNDATION SEED	W273	MAR	20.0	3.84	65.0	8.03	21.7	43.8	78.4	50.6	8223	2132	1.58	75.6	7.00	36.3	66.0	68.7	52.5
WISCONSIN FOUNDATION SEED	W2343	MAR	18.0	4.70	60.2	7.73	22.3	44.6	79.3	53.4	10206	2154	1.79	71.2	6.67	37.3	67.3	67.3	51.5
WISCONSIN FOUNDATION SEED	W4363	MAR	25.0	5.87	65.0	7.56	22.1	44.8	79.3	53.7	12617	2144	2.87	75.9	7.00	35.0	63.3	70.0	52.6
DEKALB	DK401	MAR	68.0	6.30	66.7	7.78	21.8	44.5	77.7	49.8	13016	2064	3.05	75.1	6.00	37.7	67.7	69.0	54.3
WISCONSIN	NWDENT	MAR	5.00	1.39	59.1	9.06	29.5	54.7	72.2	49.1	1819	1306	0.95	65.6	7.00	33.5	63.5	74.5	59.9
WISCONSIN	GOLDEN GLOW	MAR	40.0	3.16	67.4	7.52	25.9	49.9	76.4	52.8	5359	1756	1.85	72.5	6.33	36.7	66.0	68.0	51.5
WISCONSIN	MINN13	MAR	7.00	1.35	60.5	8.60	27.7	53.2	74.0	51.1	1964	1470	0.78	69.6	7.33	35.0	63.3	70.0	52.6
WISCONSIN	W255	MAR	15.0	3.87	57.7	7.66	23.5	47.6	77.5	52.5	7500	1915	1.69	68.9	6.33	37.0	67.7	68.7	53.9
WISCONSIN	W335	MAR	25.0	4.14	65.7	7.51	26.5	51.3	74.9	51.1	6739	1610	2.19	72.5	6.67	38.7	69.7	67.3	53.1
WISCONSIN	W416	MAR	50.0	4.18	65.0	8.03	22.3	45.4	77.8	51.2	8479	2030	2.15	74.1	6.67	36.0	65.0	69.0	52.3
WISCONSIN	W270	MAR	23.0	2.80	58.6	7.80	23.4	46.2	77.7	51.7	5648	1993	1.66	66.6	6.67	36.7	67.7	70.3	56.2
WISCONSIN	W434	MAR	55.0	5.25	63.2	7.55	23.7	47.9	77.3	52.6	9050	1892	1.95	76.5	7.00	37.0	66.3	68.7	52.8
WISCONSIN	A554xCM105	MAR	15.0	4.82	56.3	8.34	22.0	45.1	77.1	49.3	9680	2006	1.96	69.0	6.67	39.0	70.7	66.3	52.4
		ARL	55.0	5.53	67.2	8.64	25.3	47.6	75.2	47.9	10291	1783	3.55	72.1	7.33	34.2	60.9	69.7	50.2
		FON	39.0	3.00	63.7	8.57	25.6	49.2	75.8	51.0	5731	1748	1.66	69.3	7.35	33.1	61.3	72.0	54.3
		MAR	30.0	4.25	62.6	7.89	23.6	47.1	77.2	51.5	8406	1923	1.96	72.6	6.70	36.9	66.7	68.7	53.1
MEAN			41.0	4.26	64.5	8.37	24.8	48.0	76.0	50.1	8143	1818	2.40	71.4	7.13	34.7	63.0	70.1	52.5
Probability (%)																			
Location			0.1	0.0	1.8	0.0	1.3	4.5	2.0	0.4	0.0	4.5	0.0	0.2	0.5	0.1	0.0	0.7	0.1
Hybrid			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
Location x Hybrid			0.8	0.3	1.1	0.0	5.2	9.0	0.0	0.0	0.3	0.2	1.0	0.2	22.1	1.0	0.4	0.4	0.3
LSD (0.10)																			
Location			6.3	0.0	2.3	0.2	0.9	1.3	1.0	1.3	533	109	0.4	1.1	0.3	1.0	1.4	1.3	1.1
Hybrid			9.2	0.3	2.1	0.4	1.7	2.6	1.4	1.2	1678	186	0.4	1.7	0.5	1.1	1.8	1.2	1.5
Location x Hybrid			15.0	0.9	4.3	0.5	2.5	3.8	2.3	2.5	2232	287	0.8	2.7	0.7	2.1	3.1	2.5	2.5
CV (%)			28	21	4	6	9	7	2	3	26	13	23	3	8	4	4	2	4

**Table E-7. Late Silage Era Trials- Comparison of Old Hybrids
Hybrid, Location, and Location by Hybrid - Harvest Data.
Arlington, Fond du Lac, Lancaster, WI - 1997.**

COMPANY	ENTRY	LOC	Whole Plant												Stover						
			Kernel milk	Dry Matter	Crude		ADF	NDF	IVD	CWD	Milk Per		Dry Matter	Crude		ADF	NDF	IVD	CWD		
			%	Yield T/A	Moist %	Protein %					Acre lb/A	Ton lb/T	Yield T/A	Moist %	Protein %						
CARGILL	4327		44.0	5.25	64.9	7.3	20.9	41.7	79.7	51.3	11979	2299	2.11	72.6	6.89	34.1	61.0	70.4	51.6		
DAIRYLAND	STEALTH1407		47.0	6.65	65.2	7.3	22.3	43.7	78.1	49.8	14292	2121	3.28	72.4	7.38	37.3	65.9	67.9	51.2		
PIONEER	3394		56.0	7.09	68.1	7.40	23.7	45.9	77.7	51.4	14413	2002	3.16	76.2	7.11	37.1	64.6	66.8	48.6		
WISCONSIN FOUNDATION SEED	W5472		26.0	5.67	61.8	8.18	23.8	46.7	76.6	49.9	10851	1906	2.96	71.9	6.71	36.1	64.4	69.0	51.9		
OPEN POLLINATED	FUNKS YELLOW DENT		59.0	3.77	72.7	8.32	27.8	51.2	74.7	50.6	6056	1600	3.17	75.2	7.56	33.1	58.2	69.2	47.1		
WISCONSIN	PRIDE OF NO.		34.0	3.26	63.8	8.36	25.8	49.2	75.9	51.0	5623	1757	2.04	62.9	7.00	34.7	62.6	69.8	51.7		
WISCONSIN	SILVER KING		46.0	2.83	65.5	9.20	27.5	52.2	74.1	50.4	4176	1522	2.56	70.9	7.71	33.0	60.4	71.6	52.8		
WISCONSIN	W456		25.0	3.71	60.8	7.93	26.0	50.2	75.1	50.2	6193	1665	2.47	67.7	6.50	36.5	66.3	69.9	54.4		
WISCONSIN	W531		27.0	3.89	62.6	8.06	25.1	48.1	75.8	49.6	6840	1797	2.57	69.4	6.67	34.7	62.8	70.3	52.7		
WISCONSIN	W645		26.0	4.63	63.2	7.82	24.6	48.0	76.4	50.8	8442	1833	2.45	66.7	6.44	34.8	63.3	70.2	52.9		
WISCONSIN	W463		29.0	4.21	63.8	8.54	24.0	46.9	75.8	48.5	7728	1853	2.26	73.3	7.00	35.3	63.9	68.9	51.3		
WISCONSIN	W513		28.0	4.16	68.0	8.95	24.2	47.5	75.8	48.9	7581	1823	2.50	74.2	7.56	34.3	62.3	70.1	51.9		
WISCONSIN	W613		42.0	4.52	66.2	8.54	24.7	47.7	75.5	48.6	8032	1801	2.50	72.6	6.89	35.4	63.3	69.3	51.5		
WISCONSIN	W554		38.0	3.94	65.8	7.80	25.2	49.3	75.2	49.9	7309	1708	2.68	73.3	7.38	34.1	62.1	70.3	52.2		
WISCONSIN	W545		44.0	4.47	68.8	8.60	24.5	47.7	76.6	50.9	8367	1862	3.15	74.6	7.75	35.5	63.9	69.5	52.0		
WISCONSIN	W601		32.0	4.09	63.6	8.05	25.6	49.0	75.8	50.6	7190	1759	1.91	68.0	6.44	37.1	66.2	68.3	52.1		
WISCONSIN	A641xMO17		34.0	5.81	59.4	7.94	24.2	47.6	76.6	50.8	10895	1865	2.81	67.9	6.78	37.9	67.7	67.7	52.2		
WISCONSIN	W540xB73		52.0	6.84	68.8	7.67	24.2	46.8	77.8	52.5	13459	1971	4.29	76.5	7.13	33.9	60.3	69.6	49.6		
CARGILL	4327	ARL	60.0	7.35	70.5	7.18	22.3	41.6	79.7	51.3	16710	2308	3.95	78.6	6.67	32.0	55.7	72.7	50.9		
DAIRYLAND	STEALTH1407	ARL	60.0	8.58	69.9	7.14	22.4	42.5	79.1	50.8	19421	2235	4.47	77.2	7.67	35.3	62.0	70.0	51.6		
PIONEER	3394	ARL	65.0	8.98	73.2	7.50	25.2	47.3	78.0	53.5	18032	1961	4.59	79.3	6.67	35.3	61.0	69.3	49.7		
WISCONSIN FOUNDATION SEED	W5472	ARL	38.0	9.1	70.3	7.95	25.1	47.2	76.6	50.4	17260	1886	4.75	76.3	6.33	34.3	60.7	71.0	52.2		
OPEN POLLINATED	FUNKS YELLOW DENT	ARL	70.0	3.9	78.1	8.57	28.4	49.2	75.2	49.5	6676	1713	3.95	78.3	7.67	32.3	56.0	70.7	47.6		
WISCONSIN	PRIDE OF NO.	ARL	50.0	4.78	72.2	8.91	28.1	50.8	74.4	49.6	7702	1602	3.30	76.3	8.00	35.0	62.0	68.7	49.4		
WISCONSIN	SILVER KING	ARL	63.0	4.19	73.6	9.82	29.8	54.3	71.9	48.3	5594	1306	4.11	75.0	8.00	31.7	57.0	71.7	50.3		
WISCONSIN	W456	ARL	38.0	5.9	68.6	7.94	26.1	48.9	75.4	49.6	10298	1739	4.36	73.5	6.67	35.3	63.0	70.3	52.8		
WISCONSIN	W531	ARL	40.0	5.64	73.3	8.11	27.6	50.3	74.7	49.8	9238	1641	4.96	75.3	7.00	32.3	58.3	71.3	50.8		
WISCONSIN	W645	ARL	42.0	6.58	70.7	8.05	26.3	49.4	75.7	50.8	11353	1735	4.15	73.7	6.33	33.7	59.7	70.3	50.3		
WISCONSIN	W463	ARL	48.0	5.27	73.3	9.08	27.0	50.4	73.8	48.1	8536	1586	3.52	77.6	7.00	32.7	58.3	71.7	51.4		
WISCONSIN	W513	ARL	45.0	4.26	76.8	9.60	27.1	51.0	74.5	50.0	6872	1596	3.88	78.8	8.00	31.3	55.7	72.0	49.7		
WISCONSIN	W613	ARL	63.0	6.48	75.4	8.62	27.8	50.6	74.2	48.9	10886	1595	4.07	78.5	7.00	33.3	58.3	71.3	50.8		
WISCONSIN	W554	ARL	40.0	5.83	72.5	8.69	25.1	47.5	76.5	50.6	11464	1865	4.53	77.0	7.00	33.3	59.7	71.7	52.5		
WISCONSIN	W545	ARL	58.0	6.17	75.1	8.40	25.4	47.2	77.3	51.9	11871	1925	5.69	75.0	7.67	33.0	57.7	70.0	47.9		
WISCONSIN	W601	ARL	52.0	5.26	75.4	8.47	27.2	49.8	76.0	51.9	9359	1737	3.39	79.4	7.67	33.7	59.3	71.0	51.1		
WISCONSIN	A641xMO17	ARL	48.0	8.63	70.3	8.34	24.5	46.7	77.0	50.8	16675	1931	4.74	75.7	7.00	34.7	61.3	70.0	51.1		
WISCONSIN	W540xB73	ARL	67.0	7.49	74.3	7.63	25.8	48.0	77.1	52.3	14116	1878	6.23	78.3	7.33	32.7	57.3	70.7	48.9		
CARGILL	4327	FON	63.0	4.51	70.9	7.28	20.8	41.5	80.4	52.9	10592	2353	2.34	76.7	7.00	33.3	60.3	71.7	53.0		
DAIRYLAND	STEALTH1407	FON	62.0	6.39	68.8	7.47	23.4	45.4	77.5	50.5	12862	2014	2.64	77.6	7.33	39.3	68.7	65.7	49.9		
PIONEER	3394	FON	72.0	5.86	72.1	7.36	26.2	49.8	75.3	50.5	10114	1693	2.80	79.6	7.67	39.0	67.0	63.3	45.3		
WISCONSIN FOUNDATION SEED	W5472	FON	40.0	4.49	67.5	8.37	24.5	48.1	76.5	51.2	8378	1839	2.29	75.1	7.00	37.5	67.0	68.0	52.2		
OPEN POLLINATED	FUNKS YELLOW DENT	FON	75.0	4.38	75.8	8.57	28.5	54.1	73.7	51.8	6238	1418	3.10	78.9	8.33	35.0	62.7	67.0	47.4		
WISCONSIN	PRIDE OF NO.	FON	48.0	3.36	67.5	7.96	25.4	49.6	77.2	54.1	6087	1817	1.66	73.5	7.00	32.0	59.7	73.3	55.3		
WISCONSIN	SILVER KING	FON	63.0	2.75	69.2	8.84	27.0	51.9	74.0	49.9	4205	1531	1.35	73.0	7.33	34.3	63.3	71.3	54.8		
WISCONSIN	W456	FON	37.0	3.38	68.2	7.80	27.8	53.1	73.9	50.8	4970	1469	1.73	71.9	6.67	36.7	68.3	71.0	57.6		
WISCONSIN	W531	FON	40.0	4.34	68.6	8.19	24.8	48.0	76.5	51.0	7988	1844	1.99	75.3	6.67	35.0	64.3	71.3	55.4		
WISCONSIN	W645	FON	30.0	3.6	67.1	7.60	26.0	50.4	75.7	51.8	6112	1691	1.99	74.1	6.33	35.7	66.3	70.7	55.7		
WISCONSIN	W463	FON	37.0	4.4	69.7	8.43	24.1	46.9	76.2	49.4	8397	1873	2.14	77.1	7.33	36.0	66.0	68.3	52.1		
WISCONSIN	W513	FON	40.0	4.73	71.7	8.58	24.7	47.3	75.3	47.9	8667	1805	2.27	77.6	7.33	36.0	65.7	69.7	53.8		
WISCONSIN	W613	FON	55.0	4.54	71.2	8.66	25.4	49.4	75.3	50.0	7832	1717	2.30	77.0	6.67	36.0	65.0	69.3	52.8		
WISCONSIN	W554	FON	58.0	3.7	71.0	8.82	25.0	49.1	76.0	51.1	6544	1765	1.87	77.0	7.67	36.0	65.3	68.3	51.6		
WISCONSIN	W545	FON	57.0	3.67	72.8	9.09	27.0	51.7	73.9	49.6	5666	1535	1.84	80.4	8.33	37.7	68.7	69.7	55.8		
WISCONSIN	W601	FON	43.0	4.13	70.7	8.11	27.0	50.8	74.3	49.4	6619	1592	1.92	76.8	6.67	38.3	69.0	67.3	52.7		
WISCONSIN	A641xMO17	FON	48.0	4.81	65.0	8.07	24.8	48.8	76.9	52.8	8885	1834	2.61	73.3	7.00	38.3	70.0	69.0	55.7		
WISCONSIN	W540xB73	FON	67.0	6.87	70.4	7.70	24.3	46.7	79.0	54.9	13982	2042	3.37	78.0	7.33	34.3	62.3	70.0	51.9		

continued

**Table E-7. Late Silage Era Trials- Comparison of Old Hybrids
Hybrid, Location, and Location by Hybrid - Harvest Data.
Arlington, Fond du Lac, Lancaster, WI - 1997.**

COMPANY	ENTRY	LOC	Whole Plant										Stover							
			Kernel milk	Dry Matter		Crude Protein	ADF	NDF	IVD	CWD	Milk Per		Dry Matter		Crude Protein	ADF	NDF	IVD	CWD	
			%	Yield	Moist	%	%	%	%	%	Acre	Ton	Yield	Moist	%	%	%	%	%	
			T/A	%	%	%	%	%	%	lb/A	lb/T	T/A	%	%	%	%	%			
CARGILL	4327	LAN	8.0	3.89	53.3	7.49	19.8	42.1	78.8	49.6	8636	2235	1.26	62.4	7.00	37.0	67.0	67.0	50.7	
DAIRYLAND	STEALTH1407	LAN	18.0	4.99	56.7	7.37	21.1	43.3	77.6	48.2	10592	2113	2.44	57.5	7.00	37.0	67.5	68.0	52.6	
PIONEER	3394	LAN	30.0	6.42	58.8	7.35	19.5	40.7	79.8	50.3	15095	2351	2.56	69.8	7.00	37.0	65.7	67.7	50.8	
WISCONSIN FOUNDATION SEED	W5472	LAN	3.0	3.44	47.5	8.21	22.0	44.8	76.7	48.0	6916	1994	0.97	62.1	7.00	37.5	67.5	67.0	51.1	
OPEN POLLINATED	FUNKS YELLOW DENT	LAN	32.0	3.03	64.2	7.83	26.6	50.1	75.1	50.4	5255	1670	2.46	68.2	6.67	32.0	56.0	70.0	46.4	
WISCONSIN	PRIDE OF NO.	LAN	3.0	1.62	51.9	8.21	23.9	47.2	76.0	49.2	3081	1851	1.15	38.8	6.00	37.0	66.0	67.3	50.5	
WISCONSIN	SILVER KING	LAN	12.0	1.54	53.6	8.93	25.6	50.4	76.4	52.9	2727	1730	1.50	52.7	8.00	33.0	62.0	72.0	54.8	
WISCONSIN	W456	LAN	0.0	1.84	45.5	8.04	24.1	48.5	75.9	50.3	3310	1787	0.73	52.7	6.00	38.0	68.0	67.5	52.2	
WISCONSIN	W531	LAN	0.0	1.67	45.9	7.87	22.9	46.0	76.1	48.0	3294	1905	0.76	57.5	6.33	36.7	65.7	68.3	51.8	
WISCONSIN	W645	LAN	7.0	3.71	51.7	7.81	21.4	44.3	77.7	49.7	7862	2073	1.22	52.2	6.67	35.0	64.0	69.7	52.6	
WISCONSIN	W463	LAN	2.0	2.96	48.5	8.10	20.8	43.4	77.5	48.1	6253	2100	1.10	65.3	6.67	37.3	67.3	66.7	50.5	
WISCONSIN	W513	LAN	0.0	3.5	55.5	8.67	21.0	44.1	77.5	49.0	7203	2070	1.35	66.1	7.33	35.7	65.7	68.7	52.3	
WISCONSIN	W613	LAN	7.0	2.53	51.9	8.32	21.0	43.1	77.1	46.9	5379	2092	1.14	62.4	7.00	37.0	66.7	67.3	51.0	
WISCONSIN	W554	LAN	15.0	2.31	53.9	5.91	25.3	51.5	73.0	48.0	3917	1493	1.11	62.4	7.50	32.5	61.0	71.0	52.6	
WISCONSIN	W545	LAN	17.0	3.56	58.5	8.31	21.2	44.1	78.5	51.1	7562	2125	1.31	65.3	7.00	36.0	66.0	68.5	52.3	
WISCONSIN	W601	LAN	2.0	2.89	44.7	7.56	22.8	46.4	77.1	50.6	5592	1948	0.41	47.9	5.00	39.3	70.3	66.7	52.6	
WISCONSIN	A641xMO17	LAN	5.0	3.98	43.0	7.41	23.3	47.3	75.8	48.8	7127	1829	1.09	54.6	6.33	40.7	71.7	64.0	49.8	
WISCONSIN	W540xB73	LAN	22.0	6.17	61.6	7.68	22.5	45.6	77.3	50.3	12279	1993	2.74	71.8	6.50	35.0	61.5	67.5	47.1	
		ARL	53.0	6.35	73.0	8.33	26.2	48.5	76.0	50.4	11781	1791	4.38	76.9	7.20	33.4	59.1	70.8	50.5	
		FON	52.0	4.44	69.9	8.16	25.4	49.0	76.0	51.1	8008	1769	2.23	76.3	7.21	36.1	65.5	69.2	53.0	
		LAN	10.0	3.34	52.6	7.84	22.5	45.7	76.9	49.4	6782	1964	1.38	59.4	6.65	36.5	65.7	67.9	51.0	
MEAN			38.0	4.71	65.2	8.11	24.7	47.7	76.3	50.3	8857	1841	2.70	71.4	7.04	35.3	63.3	69.4	51.5	
Probability (%)																				
Location			0.0	0.0	0.0	1.5	0.0	0.0	1.6	2.6	0.0	0.1	0.0	0.0	2.0	0.0	0.0	0.0	0.7	
Hybrid			0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Location x Hybrid			7.5	12.4	0.1	14.9	14.1	8.8	8.9	26.6	11.0	7.7	0.2	0.0	0.1	0.0	0.2	0.0	0.0	
LSD (0.10)																				
Location			6.0	0.4	1.0	0.2	0.4	0.8	0.5	0.9	977	52.6	0.3	1.8	0.3	0.7	1.3	0.6	1.0	
Hybrid			7.7	1.0	2.6	0.6	1.5	2.4	1.6	1.8	2308	185.8	0.4	3.5	0.4	1.2	2.0	1.2	1.5	
Location x Hybrid			13.4	1.3	3.6	0.8	1.9	3.1	2.1	2.6	3239	243.3	0.7	5.2	0.7	1.8	3.2	1.3	2.4	
CV (%)			26	26	5	9	8	6	3	5	33	13	20	6	8	4	4	2	4	