

TABLE 10.

ALGER & DELTA COUNTY SILAGE TRIALS (98 Day and Earlier)

ZONE 5

2004			ALGER										DELTA - Early											
Brand / Hybrid	RM	TRT	%DM	GT/A	DT/A	%Std	%ivd	%adf	%ndf	%cp	strch	MK/T	MK/A	%DM	GT/A	DT/A	%Std	%ivd	%adf	%ndf	%cp	strch	MK/T	MK/A
BROWN EX66-04 (coon damage)	NA		34.3	6.9	2.4	93	70.8	35.6	63.8	7.5	9.9	2592	6162	33.0	14.0	4.6 *	94	81.8	22.2	42.9	7.8	29.6	3505	16216
GARST 8905RR	87		33.7	16.1	5.4 *	100	76.8	25.4	47.7	7.4	30.4	3143	17040	31.1	14.9	4.6 *	100	80.8	23.3	43.8	7.7	30.7	3433	15784
MYCOGEN TMF2N242	88		32.2	15.9	5.1 *	100	74.7	29.7	55.5	7.9	18.1	3016	15472	29.0	14.1	4.1	100	82.4	24.0	48.1	8.4	23.8	3571	14430
MYCOGEN TMF94	94		28.0	15.3	4.2	100	75.5	29.0	54.2	8.4	19.0	3037	16485	28.0	16.2	4.5 *	100	81.2	25.4	48.5	8.3	23.1	3524	15875
SPANGLER LFT17	87		31.5	16.5	5.2 *	100	73.8	30.3	56.1	7.9	16.9	2939	15215	26.9	16.9	4.5 *	100	80.1	26.0	49.5	8.5	22.3	3406	15325
SPANGLER LFT19R	89		32.9	16.3	5.4 *	99	76.0	27.2	51.7	8.2	22.2	3104	16611	28.3	16.5	4.6 *	100	79.7	26.0	49.5	8.1	22.7	3352	15508
WOLF RIVER VALLEY WRV2480L	80		34.7	13.0	4.5	83	75.6	27.2	51.3	8.3	21.9	3055	13754	29.7	13.6	4.1	99	80.0	24.6	47.1	8.2	27.0	3381	13692
WOLF RIVER VALLEY WRV2585L	85		31.4	15.7	5.0 *	100	75.0	29.7	55.9	7.6	18.5	3020	14943	29.3	14.0	4.1	100	81.3	24.4	46.7	8.2	26.5	3472	14070
Average			32.3	14.5	4.6	97	74.8	29.2	54.5	7.9	19.6	2988	14460	29.4	15.0	4.4	99	80.9	24.5	47.0	8.2	25.7	3456	15113
MYCOGEN F227	93	C125	25.4	15.3	3.9	100	82.6	25.4	51.6	7.9	18.3	3579	13862	26.9	14.2	3.8	100	83.2	23.2	46.4	8.8	24.3	3634	13776
DAIRYLAND Hi DF-3086	86	P250	33.3	15.1	5.0 *	86	76.9	24.9	47.6	8.1	27.2	3149	15739	29.9	13.2	3.9	100	80.3	24.6	45.6	7.9	26.2	3348	13165
NK Brand N18-F2	84	C1250	35.3	14.2	5.0 *	99	76.1	26.6	50.2	7.7	24.7	3097	15400	32.4	13.2	4.2	99	80.5	23.2	44.1	8.0	29.1	3384	14296
NK Brand N21-V6	85	C1250	34.2	14.4	4.9	94	77.2	26.4	50.7	7.3	26.7	3209	15742	29.2	12.2	3.6	99	81.1	23.3	44.7	8.1	29.2	3450	12248
PIONEER 36N71	103	P1250	27.1	19.8	5.4 *	92	75.6	29.9	55.1	7.8	17.1	3085	16664	27.5	16.1	4.4 *	98	80.1	26.2	48.9	7.7	22.9	3395	15035
PIONEER 37A91	96	P1250	32.3	17.2	5.6 *	100	76.2	26.7	50.5	8.4	22.9	3105	17238	28.8	15.2	4.4 *	100	80.8	23.2	45.1	8.3	29.6	3403	14880
PIONEER 37F16	98	P1250	30.0	19.3	5.8**	100	73.7	30.3	55.2	7.3	20.0	2929	16929	29.8	14.5	4.3	100	82.7	22.3	43.7	8.1	28.1	3539	15125
PIONEER 38H67	98	P1250	30.2	18.6	5.6 *	100	78.4	25.7	48.8	7.4	25.6	3294	18450	28.2	15.8	4.4 *	100	82.9	23.2	44.1	8.0	27.9	3607	15870
PIONEER 38W22	92	P1250	33.4	16.9	5.6 *	99	77.1	25.6	48.5	7.1	26.7	3177	17878	28.3	16.7	4.7**	99	81.5	24.6	45.4	8.0	27.2	3483	16357
Average		1250	31.8	17.2	5.4	98	76.3	27.3	51.3	7.6	23.4	3128	16900	29.2	14.8	4.3	99	81.4	23.7	45.1	8.0	27.7	3466	14830
AVERAGE			31.7	15.7	4.9	97	76.0	28.0	52.6	7.8	21.5	3090	15505	29.2	14.8	4.3	99	81.2	24.1	46.1	8.1	26.5	3464	14803
HIGHEST			35.3	19.8	5.8	100	82.6	35.6	63.8	8.4	30.4	3579	18450	33.0	16.9	4.7	100	83.2	26.2	49.5	8.8	30.7	3634	16357
LOWEST			25.4	6.9	2.4	83	70.8	24.9	47.6	7.1	9.9	2592	6162	26.9	12.2	3.6	94	79.7	22.2	42.9	7.7	22.3	3348	12248
CV (%)			4.1	14.7	13.8	1	1.8	5.9	4.9	7.9	7.4	3	7	6.7	9.7	5.3	1	1.5	4.6	3.9	5.0	8.0	4	6
LSD (.05%)			1.5	2.7	0.8	2	1.6	1.9	3.1	0.7	1.9	124	1206	2.3	1.7	0.3	1	1.4	1.3	2.1	0.5	2.5	151	1101

2 Year AVERAGES			RM	%DM	GT/A	DT/A	%Std	%ivd	%adf	%ndf	%cp	strch	MK/T	MK/A	%DM	GT/A	DT/A	%Std	%ivd	%adf	%ndf	%cp	strch	MK/T	MK/A
MYCOGEN F227	93		27.7	14.7	4.1	98	83.1	23.3	47.6	8.1	26.9	3661	14887	30.6	16.2	5.0	100	84.9	20.4	41.6	8.0	32.1	3778	18991	
PIONEER 37F16	98		30.5	17.7	5.4**	99	77.2	26.1	48.6	8.0	28.8	3191	17143	31.8	17.7	5.6**	98	82.8	21.7	41.6	7.7	32.1	3572	20250	
SPANGLER LFT17	87		32.8	15.9	5.2 *	98	75.4	27.9	52.0	8.5	22.9	3050	15823	31.1	17.2	5.4 *	100	81.0	23.7	45.5	8.5	26.4	3464	18588	
AVERAGE			30.3	16.1	4.9	99	78.6	25.8	49.4	8.2	26.2	3301	15951	31.2	17.0	5.3	99	82.9	21.9	42.9	8.1	30.2	3605	19276	
HIGHEST			32.8	17.7	5.4	99	83.1	27.9	52.0	8.5	28.8	3661	17143	31.8	17.7	5.6	100	84.9	23.7	45.5	8.5	32.1	3778	20250	
LOWEST			27.7	14.7	4.1	98	75.4	23.3	47.6	8.0	22.9	3050	14887	30.6	16.2	5.0	98	81.0	20.4	41.6	7.7	26.4	3464	18588	
CV (%)			5.1	11.5	5.6	4	3.6	4.7	7.0	2.3	5.2	35	67	7.8	7.7	3.8	3	3.3	3.3	5.0	1.9	6.7	38	59	
LSD (.05%)			1.3	1.8	0.4	1	1.5	1.8	3.0	0.4	1.9	118	1217	1.8	1.3	0.2	2	2.3	2.6	3.8	0.3	2.9	140	1285	

** Highest Yielding Hybrid in DT/A

* Not Significantly Different from Highest Yielding Hybrid

NO HYBRIDS ENTERED FOR THREE YEARS

2004			TRIAL AVERAGE										
Brand / Hybrid	RM	TRT	%DM	GT/A	DT/A	%Std	%ivd	%adf	%ndf	%cp	strch	MK/T	MK/A
BROWN EX66-04 (coon damage)	NA		33.7	10.5	3.5	94	76.3	28.9	53.3	7.7	19.7	3049	11189
GARST 8905RR	87		32.4	15.5	5.0 *	100	78.8	24.4	45.7	7.5	30.5	3288	16412
MYCOGEN TMF2N242	88		30.6	15.0	4.6	100	78.5	26.8	51.8	8.1	21.0	3293	14951
MYCOGEN TMF94	94		28.0	17.8	5.0 *	100	78.4	27.2	51.3	8.3	21.0	3281	16180
SPANGLER LFT17	87		29.2	16.7	4.8	100	77.0	28.1	52.8	8.2	19.6	3173	15270
SPANGLER LFT19R	89		30.6	16.4	5.0 *	99	77.9	26.6	50.6	8.1	22.5	3228	16060
WOLF RIVER VALLEY WRV2480L	80		32.2	13.3	4.3	91	77.8	25.9	49.2	8.3	24.5	3218	13723
WOLF RIVER VALLEY WRV2585L	85		30.3	14.8	4.5	100	78.1	27.0	51.3	7.9	22.5	3246	14507
Average			30.9	15.0	4.6	98	77.8	26.9	50.8	8.0	22.7	3222	14786
MYCOGEN F227	93	C125	26.1	14.7	3.8	100	82.9	24.3	49.0	8.3	21.3	3607	13819
DAIRYLAND Hi DF-3086	86	P250	31.6	14.1	4.5	93	78.6	24.7	46.6	8.0	26.7	3248	14452
NK Brand N18-F2	84	C1250	33.9	13.7	4.6	99	78.3	24.9	47.2	7.9	26.9	3240	14848
NK Brand N21-V6	85	C1250	31.7	13.3	4.2	96	79.2	24.8	47.7	7.7	27.9	3330	13995
PIONEER 36N71	103	P1250	27.3	18.0	4.9	95	77.9	28.0	52.0	7.7	20.0	3240	15850
PIONEER 37A91	96	P1250	30.6	16.2	5.0 *	100	78.5	24.9	47.8	8.4	26.2	3254	16059
PIONEER 37F16	98	P1250	29.9	16.9	5.0 *	100	78.2	26.3	49.5	7.7	24.0	3234	16027
PIONEER 38H67	98	P1250	29.2	17.2	5.0 *	100	80.6	24.4	46.4	7.7	26.7	3450	17160
PIONEER 38W22	92	P1250	30.9	16.8	5.2**	99	79.3	25.1	46.9	7.5	26.9	3330	17118
Average		1250	30.5	16.0	4.8	98	78.8	25.5	48.2	7.8	25.5	3297	15865
AVERAGE			30.5	15.3	4.6	98	78.6	26.0	49.4	7.9	24.0	3277	15154
HIGHEST			33.9	18.0	5.2	100	82.9	28.9	53.3	8.4	30.5	3607	17160
LOWEST			26.1	10.5	3.5	91	76.3	24.3	45.7	7.5	19.6	3049	11189
CV (%)			5.5	7.4	5.2	1	1.6	5.4	4.5	6.6	7.8	4	6
LSD (.05%)			1.4	0.9	0.2	1	1.1	1.2	1.8	0.4	1.6	97	808

2 Year AVERAGES		RM	%DM	GT/A	DT/A	%Std	%ivd	%adf	%ndf	%cp	strch	MK/T	MK/A
MYCOGEN F227	93		29.2	15.5	4.5	99	84.0	21.9	44.6	8.1	29.5	3719	16939
PIONEER 37F16	98		31.1	17.7	5.5**	98	80.0	23.9	45.1	7.9	30.5	3382	18696
SPANGLER LFT17	87		32.0	16.5	5.3 *	99	78.2	25.8	48.8	8.5	24.7	3257	17205
AVERAGE			30.8	16.6	5.1	99	80.7	23.8	46.2	8.1	28.2	3453	17614
HIGHEST			32.0	17.7	5.5	99	84.0	25.8	48.8	8.5	30.5	3719	18696
LOWEST			29.2	15.5	4.5	98	78.2	21.9	44.6	7.9	24.7	3257	16939
CV (%)			5.9	5.5	2.7	4	3.1	3.6	5.6	1.7	5.5	34	59
LSD (.05%)			1.2	0.7	0.3	1	1.0	1.1	1.7	0.2	1.8	78	963

** Highest Yielding Hybrid in DT/A
 * Not Significantly Different from Highest Yielding Hybrid

NO HYBRIDS ENTERED FOR THREE YEARS

Support from Michigan's Project GREEN

Michigan's Northern Peninsula (UP) produces an estimated 20,000 acres of corn annually (Michigan Agricultural Statistics Service). With the major dairy (200 dairy farms) and livestock emphasis in the region, 12,000 of these acres are corn silage with the remaining 8000 acres being harvested for corn grain. This year a grant from project GREEN (Generating Research and Extension to meet Economic and Environmental Needs) helped to fund the hybrid trials in the UP, providing growers with corn grain and silage genetic selection information.