

TABLE 4.

ALPENA, DELTA (LATE) & GRAND TRAVERSE COUNTY GRAIN TRIALS (95 Day and Earlier)

ZONE 4

2005			TRIAL AVERAGE					% QUALITY			ALPENA					GRAND TRAVERSE					DELTA - LATE				
BRAND / HYBRID	RM	TRT	%H2O	BU/A	Twt	%SL	%Sd	Prot	Oil	Strch	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd
BAYSIDE 2090	90	P250	22.3	139.4	56.3	1.2	99	8.7	3.2	59.9	21.7	121.5	56.8	1.1	100	20.7	141.2	57.4	0.5	96	24.5	155.5	54.7	2.1	100
BAYSIDE NorthGro NG1541RR	81	P250	22.3	135.6	56.0	0.0	98	9.0	4.2	59.1	21.4	142.6	56.9	0.1	100	21.6	139.9	56.2	0.0	95	24.0	124.3	55.0	0.0	100
BAYSIDE Super 75	75	P250	22.3	117.4	55.7	0.5	93	9.0	4.1	59.8	20.7	129.8	57.7	0.7	100	21.3	97.4	54.6	0.5	83	25.0	125.0	54.7	0.3	97
BAYSIDE Super 80	80	P250	21.7	145.5	55.6	1.0	89	8.2	4.6	59.9	20.6	147.8 *	56.7	1.0	98	20.9	137.8	55.9	0.9	77	23.5	150.8	54.3	1.2	92
BAYSIDE Super 82	82	P250	20.9	135.1	55.0	2.7	96	8.0	3.8	60.0	19.7	146.7 *	56.0	3.5	98	19.9	123.8	55.2	4.7	94	23.2	134.9	53.7	0.0	98
BAYSIDE Super 86	86	P250	21.9	136.9	55.8	1.2	99	8.7	3.8	59.3	21.2	120.7	56.4	1.7	100	20.3	135.0	56.7	0.1	96	24.3	155.0	54.3	1.8	100
CROPLAN 314RR/Bt	92	C250	24.9	168.3 *	53.6	0.3	100	7.7	3.7	60.4	24.2	154.0 *	54.4	0.0	100	24.2	170.4 *	54.0	0.5	100	26.2	180.4 *	52.5	0.4	100
DAIRYLAND STEALTH-1488	88	P250	23.5	141.3	53.2	0.3	100	8.2	4.3	59.8	22.5	139.1	54.5	0.8	100	22.4	140.3	53.5	0.0	99	25.6	144.6	51.7	0.0	100
DAIRYLAND STEALTH-1785	85	P250	20.9	132.3	56.1	0.7	97	8.4	3.7	60.1	20.0	136.7	57.0	1.8	99	19.9	131.3	56.1	0.0	91	22.8	128.9	55.2	0.4	100
DAIRYLAND STEALTH-7191	91	P250	23.3	153.5	53.6	0.4	79	8.2	3.6	60.5	23.0	140.5	54.2	0.4	83	21.7	146.7	55.0	0.0	66	25.1	173.3	51.6	0.8	89
DEKALB DKC35-02 (RR2/YGCB)	85	P250	21.9	133.2	55.1	0.1	99	9.9	5.0	56.1	19.8	138.1	57.1	0.0	100	22.1	120.4	53.3	0.4	97	23.9	141.0	54.9	0.0	100
DEKALB DKC37-14 (RR2)	87	P250	23.3	135.7	55.2	1.3	99	9.1	4.4	57.9	20.9	139.3	56.6	2.3	100	23.7	128.7	53.7	0.5	98	25.3	139.2	55.2	1.1	100
DEKALB DKC40-05	90	P250	23.0	152.3	54.9	1.1	100	7.5	4.6	60.5	21.4	128.7	56.2	1.5	100	23.1	173.6 *	54.2	1.1	100	24.5	154.6	54.3	0.7	100
DYNAGRO 51K74	83	P250	21.3	141.6	56.3	1.1	91	8.2	4.4	59.7	20.0	130.1	57.8	0.5	93	21.6	147.9	55.8	2.1	85	22.3	146.7	55.3	0.7	96
DYNAGRO 51P88	88	P250	23.4	136.5	55.4	0.5	96	9.6	4.0	58.9	22.2	138.9	56.5	0.2	100	22.0	132.0	55.4	0.9	87	25.9	138.5	54.4	0.4	100
GARST 8921YG1/RR	90	C250	24.8	164.5	53.9	0.3	98	8.4	4.3	59.2	24.1	149.1 *	54.5	0.0	99	23.4	168.4 *	54.8	0.5	96	26.9	175.9	52.5	0.4	100
GOLDEN HARVEST H-6565RR	90	C250	22.5	165.5	55.1	0.3	99	7.7	3.3	61.1	21.3	159.4 **	55.9	0.0	100	22.0	161.9	55.5	0.5	98	24.3	175.2	53.9	0.4	100
GOLDEN HARVEST H-6907RR	95	C250	24.3	171.8 *	53.2	0.9	100	7.8	4.4	59.4	23.3	154.0 *	53.8	1.4	100	23.1	182.4 **	53.6	1.0	100	26.4	179.1 *	52.3	0.4	100
GOLDEN HARVEST H-7007Bt	95	C250	25.2	173.4 **	52.4	0.4	100	7.3	4.3	60.5	24.1	159.3 *	52.8	0.1	99	24.0	169.4 *	53.2	0.3	100	27.5	191.5 **	51.1	0.7	100
HIGH CYCLE HC7242YGCB	90	P250	25.4	157.0	53.0	0.4	89	7.5	3.8	61.0	24.8	138.4	53.7	0.5	90	24.7	162.4	53.7	0.7	90	26.7	170.1	51.6	0.0	88
HYLAND SEEDS BIXXIO RR	74	P250	20.1	110.3	58.3	3.5	95	10.2	4.9	58.1	19.3	124.9	59.5	4.0	98	20.0	100.3	58.3	3.7	89	21.0	105.8	57.2	2.9	99
HYLAND SEEDS HL2093	76	P250	20.7	104.5	55.0	3.1	94	8.6	3.8	59.9	19.5	117.0	56.0	4.0	96	20.8	94.7	54.3	2.7	90	21.9	101.8	54.7	2.6	97
HYLAND SEEDS HL2222	79	P250	20.3	99.3	54.3	0.6	100	8.7	3.0	60.7	19.1	121.3	56.1	0.4	100	19.8	84.8	52.8	0.3	99	22.1	91.9	54.1	1.0	100
HYLAND SEEDS HLB258	85	P250	24.4	129.0	56.6	2.5	91	9.3	4.8	59.2	23.2	138.4	58.3	6.2	94	24.0	117.6	56.3	0.6	83	25.9	130.9	55.2	0.8	97
HYLAND SEEDS HLR219	85	P250	23.6	123.2	56.6	1.8	96	9.1	4.3	59.3	22.3	126.5	58.1	2.2	100	23.8	111.9	56.2	1.4	89	24.8	131.2	55.6	1.8	100
HYLAND SEEDS HLR228	84	P250	21.4	145.4	56.1	1.1	99	7.8	4.6	60.2	20.4	144.0	57.5	1.1	99	21.6	141.7	55.1	1.5	97	22.1	150.6	55.6	0.7	100
HYLAND SEEDS HLR234	90	P250	24.2	164.3	53.3	0.4	98	7.4	3.9	60.2	22.5	140.6	54.4	0.7	100	23.4	172.8 *	53.5	0.4	95	26.6	179.5 *	52.1	0.0	100
HYLAND SEEDS JUXXIN	90	P250	23.9	135.2	54.7	0.8	97	8.9	3.7	59.3	21.9	153.2 *	55.7	0.7	100	23.4	132.0	54.5	0.5	91	26.3	120.4	53.8	1.1	100
MYCOGEN 2P172	84	C125	22.4	142.8	56.2	0.5	100	9.2	3.8	59.3	21.7	158.4 *	56.8	0.4	100	21.8	132.7	56.5	1.0	99	23.7	137.3	55.3	0.0	100
NK Brand N16-M1	82	C250	21.0	135.7	56.8	0.3	93	8.7	3.9	60.0	19.9	149.7 *	58.0	0.3	97	19.9	116.0	56.8	0.3	84	23.2	141.4	55.6	0.3	99
NK Brand N18-F2	84	C250	21.6	136.6	57.6	1.5	93	8.6	3.9	60.4	20.6	135.6	58.7	3.0	95	20.6	137.9	58.0	0.5	85	23.5	136.2	56.0	1.1	98
PARTNERS BRAND 380RR	88	C125	23.3	130.7	54.0	1.0	99	9.0	3.9	59.6	21.9	119.1	55.5	2.4	99	22.3	128.0	53.8	0.2	96	25.8	145.1	52.8	0.3	100
PIONEER 38B12	88	P250	21.7	138.5	53.8	1.5	98	9.0	3.6	59.2	19.6	149.8 *	55.6	2.9	98	21.6	126.4	52.6	0.8	95	23.8	139.4	53.3	0.7	100
PIONEER 38T41	94	P250	23.9	142.2	54.8	1.0	83	9.8	4.0	58.0	22.6	149.0 *	56.5	2.2	93	23.7	136.2	54.3	0.0	69	25.5	141.3	53.5	0.8	86
PIONEER 38W22	92	P250	23.2	150.0	56.7	0.3	98	8.9	3.7	59.0	21.6	144.2 *	57.6	0.1	100	23.1	145.6	56.7	0.7	94	25.0	160.2	55.7	0.0	100
VIGORO V32YR62	92		25.4	159.3	53.7	0.2	96	8.2	3.9	60.2	25.1	137.1	54.0	0.3	99	24.3	160.5	54.3	0.4	89	26.9	180.4 *	52.9	0.0	100
AVERAGE			22.8	141.2	55.1	1.0	96	8.6	4.0	59.6	21.6	139.5	56.2	1.4	98	22.1	137.5	55.0	0.8	91	24.6	146.6	54.1	0.7	98
HIGHEST			25.4	173.4	58.3	3.5	100	10.2	5.0	61.1	25.1	159.4	59.5	6.2	100	24.7	182.4	58.3	4.7	100	27.6	191.5	57.2	2.9	100
LOWEST			20.1	99.3	52.4	0.0	79	7.3	3.0	56.1	19.1	117.0	52.8	0.0	83	19.8	84.8	52.6	0.0	66	21.0	91.9	51.1	0.0	86
CV (%)			3.7	8.0	1.1	131	4	3.8	5.4	1.1	3.3	7.8	0.9	117	2	3.4	8.7	1.2	151	6	4.0	7.1	1.2	115	3
LSD (.05%)			0.6	7.6	0.4	0.9	2	0.4	0.3	0.8	1.0	15.3	1.5	2.2	6	2.1	16.9	1.9	1.8	7	1.4	14.5	0.9	1.2	4

2 Year Averages		# TRIAL AVERAGE					% QUALITY			ALPENNA					GRAND TRAVERSE					DELTA - LATE									
BRAND / HYBRID	RM	%H2O	BU/A	Twt	%SL	%Sd	Prot	Oil	Strch	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd					
BAYSIDE 2090	90	26.0	121.7	53.9	0.8	99	9.1	3.3	58.6	29.2	117.5	51.7	0.7	100	22.9	125.8	56.2	1.0	98	Incomplete Data in 2004									
BAYSIDE NorthGro NG1541RR	81	25.3	132.4	53.9	0.9	99	9.4	3.9	58.2	27.1	138.7	52.8	0.2	100	23.5	126.1	55.1	1.5	97										
BAYSIDE Super 75	75	25.3	116.1	54.5	1.5	96	9.4	4.0	58.9	27.0	128.1	54.3	0.5	100	23.6	104.2	54.7	2.4	91										
BAYSIDE Super 80	80	25.1	132.6	53.0	3.1	94	8.8	4.6	58.3	27.1	137.0	52.1	0.7	99	23.0	128.3	54.0	5.5	88										
BAYSIDE Super 82	82	25.0	131.0	53.4	2.4	98	8.7	4.0	58.8	27.6	139.3	52.6	2.0	99	22.5	122.7	54.2	2.9	97										
BAYSIDE Super 86	86	25.5	122.4	53.1	0.7	99	9.4	3.9	57.9	27.5	119.8	51.8	0.9	100	23.4	125.0	54.5	0.5	98										
DAIRYLAND STEALTH-7191	91	26.3	139.4	51.7	2.1	87	8.6	3.5	59.3	28.5	143.2 *	50.5	0.2	91	24.0	135.7	52.8	4.0	83										
DEKALB DKC35-02 (RR2/YGCB)	85	24.8	128.7	53.1	1.2	99	10.4	5.0	54.9	25.5	142.5 *	53.4	0.2	100	24.0	114.9	52.8	2.2	99										
DEKALB DKC37-14 (RR2)	87	26.2	131.6	53.0	1.5	99	9.6	4.5	56.8	26.7	141.5 *	53.0	1.4	100	25.7	121.8	53.0	1.6	99										
DEKALB DKC40-05	90	26.4	135.5	52.1	2.9	100	8.4	4.4	58.7	27.4	131.8	51.8	1.5	100	25.5	139.2	52.5	4.3	100										
DYNAGRO 51K74	83	24.4	137.4	53.7	1.9	94	8.7	4.5	58.5	25.7	134.3	52.8	0.9	96	23.2	140.5	54.6	2.9	92										
DYNAGRO 51P88	88	25.9	134.0	52.8	3.1	97	10.2	4.2	57.1	27.4	142.1 *	52.1	1.0	100	24.5	125.9	53.4	5.2	94										
GOLDEN HARVEST H-6565RR	90	25.5	145.4 *	52.8	1.3	100	8.4	3.2	59.8	27.5	148.1 **	51.2	0.4	100	23.6	142.6	54.4	2.2	99										
GOLDEN HARVEST H-6907RR	95	28.3	148.0 **	50.9	1.7	100	8.8	4.4	57.6	30.9	142.7 *	50.3	1.2	100	25.7	153.3 **	51.5	2.2	100										
GOLDEN HARVEST H-7007Bt	95	29.5	146.2 *	50.7	0.4	100	8.2	4.4	58.5	32.4	144.3 *	49.9	0.2	99	26.5	148.1 *	51.4	0.7	100										
HIGH CYCLE HC7242YGCB	90	29.2	144.1 *	51.2	2.2	95	8.4	4.0	59.1	32.1	141.3 *	50.5	0.6	94	26.3	146.8 *	52.0	3.9	95										
NK Brand N18-F2	84	24.7	130.3	55.8	2.6	95	9.0	3.9	59.5	26.2	135.3	54.7	2.5	98	23.2	125.2	56.9	2.7	93										
PIONEER 38W22	92	26.4	137.5	54.2	2.5	98	9.4	3.8	57.7	28.0	143.4 *	53.6	0.9	100	24.7	131.6	54.8	4.1	97										
AVERAGE		26.1	134.1	53.0	1.8	97	9.1	4.1	58.2	28.0	137.3	52.2	0.9	99	24.2	131.0	53.8	2.8	96										
HIGHEST		29.5	148.0	55.8	3.1	100	10.4	5.0	59.8	32.4	148.1	54.7	2.5	100	26.5	153.3	56.9	5.5	100										
LOWEST		24.4	116.1	50.7	0.4	87	8.2	3.2	54.9	25.5	117.5	49.9	0.2	91	22.5	104.2	51.4	0.5	83										
CV (%)		3.5	7.3	1.1	140	3	3.9	5.7	1.2	3.5	6.4	0.9	121	2	3.3	7.5	1.2	140	4										
LSD (.05%)		0.5	5.3	0.3	1.2	2	0.3	0.2	0.6	0.8	7.3	0.4	1.2	1	0.6	8.2	0.6	2.4	3										

3 Year Averages		# TRIAL AVERAGE					% QUALITY			ALPENNA					GRAND TRAVERSE					DELTA - LATE 2005 & 2003				
BRAND / HYBRID	RM	%H2O	BU/A	Twt	%SL	%Sd	Prot	Oil	Strch	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd
BAYSIDE 2090	90	26.7	135.1	53.2	2.6	95	9.2	3.5	58.4	29.4	128.9	51.4	4.4	95	23.9	141.3	55.0	0.8	96	22.4	144.9 *	54.4	3.9	99
BAYSIDE Super 75	75	26.2	126.5	54.7	2.6	94	9.3	4.2	58.7	28.0	133.5	54.7	3.3	96	24.3	119.6	54.6	1.8	92	22.7	135.6	55.5	2.2	99
BAYSIDE Super 80	80	25.4	142.5	52.6	2.6	94	8.5	4.6	58.2	27.1	141.4	51.8	0.9	96	23.6	143.5	53.5	4.2	91	21.2	135.4	55.1	3.2	96
BAYSIDE Super 82	82	26.4	133.8	52.4	3.4	92	8.7	3.9	58.7	28.7	134.9	51.7	4.7	91	24.1	132.7	53.1	2.1	92	21.6	130.9	54.1	2.8	99
BAYSIDE Super 86	86	26.1	136.7	52.7	2.7	96	9.2	3.8	58.0	28.1	132.7	51.5	4.8	97	24.1	140.7	53.8	0.6	96	22.3	137.7 *	54.6	3.8	99
DYNAGRO 51P88	88	26.2	147.5	52.4	3.6	96	9.8	4.3	57.5	27.7	150.3 *	51.7	3.6	98	24.7	144.6	53.1	3.6	93	22.8	131.9	54.9	1.9	99
HIGH CYCLE HC7242YGCB	90	29.8	156.7 **	50.8	2.8	93	8.3	4.1	58.9	32.4	152.9 **	50.1	3.0	92	27.3	160.5 **	51.5	2.6	94	22.9	148.7 **	52.7	1.5	94
AVERAGE		26.7	139.8	52.7	2.9	94	9.0	4.1	58.3	28.8	139.2	51.8	3.5	95	24.6	140.4	53.5	2.2	93	22.3	137.9	54.5	2.8	98
HIGHEST		29.8	156.7	54.7	3.6	96	9.8	4.6	58.9	32.4	152.9	54.7	4.8	98	27.3	160.5	55.0	4.2	96	22.9	148.7	55.5	3.9	99
LOWEST		25.4	126.5	50.8	2.6	92	8.3	3.5	57.5	27.1	128.9	50.1	0.9	91	23.6	119.6	51.5	0.6	91	21.2	130.9	52.7	1.5	94
CV (%)		4.0	7.1	1.6	236	4	4.2	5.8	1.2	3.9	6.5	1.5	261	4	2.9	6.7	1.1	128	5	4.6	7.4	1.5	120	2
LSD (.05%)		0.4	4.1	0.4	1.9	1	0.3	0.2	0.5	0.7	6.1	0.6	3.6	2	0.5	6.2	0.4	1.7	3	1.0	11.2	0.5	2.2	2

Delta Late not included

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

TREATMENT CODES FOR SEED APPLIED INSECTICIDES

TRT	Seed Treatment	Chemical Rate
	No Seed Insecticide Applied	
C125	Cruiser® 125	0.125 mg Thiamethoxan per kernal
C250	Cruiser® 250	0.250 mg Thiamethoxan per kernal
C1250	Cruiser® 1250	1.25 mg Thiamethoxan per kernal
P250	Poncho® 250	0.25 mg Clothianidian per kernal
P1250	Poncho® 1250	1.25 mg Clothianidian per kernal
	Cruiser® is a registered trademark of Syngenta Group Company Poncho® is a registered trademark of Gustafson LLC	