

2011 Michigan Corn Hybrids Compared
Michigan State University
Department of Crop and Soil Sciences

Zone 4 - Arenac, Grand Traverse & Menominee COUNTY GRAIN TRIALS - (80 - 94 Day)

2011				TRIAL AVERAGE					Arenac - Early					Grand Traverse - Early					Menominee - Late				
BRAND / HYBRID	RM	TRT	TRAIT	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd
BAYSIDE 1541RR	81		1	20.3	165.6	54.2	4.2	97	21.4	208.8	54.7	6.0	100	23.5	167.9	53.7	5.5	100	15.9	120.2	54.0	1.1	92
BAYSIDE 3090GTCBLL	90		1,2,4	22.5	192.5 **	50.6	7.9	97	22.9	244.6 **	51.7	6.9	100	26.6	196.1	50.2	10.7	97	18.0	136.9 *	49.9	6.1	94
BAYSIDE 4090	90			21.0	186.3 *	51.0	9.5	98	22.1	238.1 *	52.6	5.8	100	23.3	198.3	50.7	12.1	100	17.6	122.6 *	49.6	10.6	94
BAYSIDE 9081GT	81		1	18.6	155.9	53.1	8.5	100	19.6	187.8	54.3	6.0	100	20.3	163.2	51.8	7.5	100	15.9	116.7	53.3	12.1	99
BAYSIDE 9082GTCBLL	82		1,2,4	20.0	156.8	52.4	38.4	100	21.3	173.9	52.0	50.6	100	21.8	181.3	52.7	51.5	100	17.0	115.3	52.6	13.3	99
CB SEEDS CB3353	92			20.0	165.9	52.3	14.2	97	20.6	192.8	51.6	18.6	99	22.6	178.5	52.9	18.7	100	16.7	126.3 *	52.4	5.2	91
CB SEEDS CB4001	95			22.1	151.2	50.2	28.7	98	22.3	177.2	51.0	22.1	100	24.7	171.3	51.5	55.2	100	19.4	105.2	47.9	9.0	93
CB SEEDS CBS3954	91			24.4	145.8	52.7	28.8	96	25.1	194.2	53.0	34.8	97	26.6	144.4	52.4	47.4	100	21.4	98.8	52.8	4.2	91
CB SEEDS CBX10M08	95			21.6	120.9	54.2	12.1	96	21.7	139.1	54.5	23.7	98	23.9	139.0	54.0	11.0	99	19.1	84.6	54.1	1.7	89
CB SEEDS CBX10S91	94			24.3	136.5	53.0	13.6	91	25.1	179.9	51.6	11.4	98	27.4	155.4	53.2	25.7	98	20.5	74.2	54.2	3.7	76
CB SEEDS CBX41322	95			23.5	135.2	53.3	4.8	88	24.1	168.4	52.9	1.8	93	26.5	149.6	54.7	7.8	92	19.9	87.7	52.3	4.9	80
DAIRYLAND SEED ST-7085	85	C250	1, 2, 6	18.8	165.8	54.5	22.8	98	19.1	185.9	54.4	54.3	100	20.7	184.0	53.4	11.5	100	16.7	127.6 *	55.6	2.6	94
DAIRYLAND SEED ST-9291SSX	91	C250	1,2,3,4,6	22.1	164.1	50.7	8.0	98	23.5	189.6	50.8	10.1	93	24.2	182.2	49.7	10.9	100	18.6	120.4	51.7	2.9	100
DAIRYLAND SEED ST-9992	92	C250	1,2,3	21.8	186.8 *	52.2	3.3	98	23.0	222.8	53.1	0.9	98	23.8	215.3 *	52.1	3.5	100	18.6	122.3 *	51.4	5.7	97
DEKALB DKC36-08 GENVT2P	86	P500	1,2	19.7	173.7	55.8	9.8	100	20.3	204.4	56.8	3.7	100	22.5	179.0	54.6	24.7	100	16.5	137.6 **	56.2	1.1	100
DEKALB DKC38-89 VT3	88	P500	1,2,3	21.7	186.1 *	51.7	2.4	99	22.9	217.1	52.1	2.9	100	23.3	216.5 *	51.7	2.9	100	18.8	124.8 *	51.3	1.5	98
DEKALB DKC39-07 GENVT2P	89	P500	1,2	20.9	188.3 *	52.1	4.5	100	21.7	230.4 *	53.5	2.6	100	23.0	218.8 **	50.9	7.8	100	17.9	115.6	52.0	3.2	100
DEKALB DKC40-22 GENSS	90	P500	1,2,3,4,6	22.9	174.7	52.2	2.5	98	22.7	199.4	53.5	2.4	98	25.0	210.9 *	52.9	0.9	99	21.1	113.9	50.3	4.4	97
DEKALB DKC42-72 VT3	92	P500	1,2,3	20.3	183.2 *	53.6	0.6	96	21.9	217.0	52.2	0.3	99	22.1	212.2 *	54.6	1.4	100	17.1	120.3	53.9	0.0	90
DYNAGRO D32VP29	92		1,2,3	20.2	177.9	52.3	11.4	99	20.9	213.6	53.4	1.2	100	21.2	205.1 *	52.7	4.1	99	18.6	115.2	51.0	28.9	97
DYNAGRO D35RR40	95		1	21.9	192.0 *	51.3	2.7	99	22.0	230.8 *	51.2	1.7	100	25.0	208.3 *	52.0	4.9	99	18.9	136.9 *	50.9	1.5	97
G2 GENETICS 5H-492™	92	C250	1,2,4	20.5	188.5 *	52.7	5.1	99	21.4	224.7	52.6	6.1	100	22.8	207.9 *	52.1	4.3	99	17.5	132.9 *	53.5	5.0	97
G2 GENETICS 5H-8902™	89	C250	1,2,4	21.2	175.0	52.6	7.3	100	21.6	199.2	51.7	12.1	100	22.7	200.0	53.8	8.6	100	19.5	126.0 *	52.4	1.2	100
G2 GENETICS 5X-8901™	89	C250	1,2,3,4	19.6	170.6	55.2	5.9	91	20.7	200.2	55.0	2.5	96	21.9	201.4 *	56.7	1.6	91	16.2	110.0	54.0	13.7	88
G2 GENETICS 5X-9101™	91	C250	1,2,3,4	20.6	173.1	50.9	8.9	97	22.1	205.7	50.8	7.2	100	22.8	190.0	51.6	14.2	99	17.0	123.5 *	50.2	5.5	93
GARST 89K65-3000GT Brand	88	C250	1,2,3,4	19.4	157.7	52.6	34.6	95	20.5	171.8	53.0	67.5	100	21.3	176.6	53.7	35.1	100	16.4	124.9 *	51.2	1.1	85
HYLAND SEEDS 8386	92	P250	1,2,3,4,6	21.9	190.8 *	53.1	3.1	98	22.6	224.6	54.4	2.0	100	25.1	214.7 *	52.7	1.4	100	18.0	133.0 *	52.3	5.9	94
HYLAND SEEDS 8454	94	P250	1,2,3,4,6	22.8	173.2	51.1	1.0	100	23.9	218.2	52.3	0.0	100	26.1	196.3	52.7	2.9	100	18.5	105.1	48.5	0.0	100
LEGACY SEEDS L-2820 3111VIP	88	C250	1,2,3,4,6	21.2	171.5	51.3	24.6	99	22.0	204.5	51.5	13.3	99	23.7	193.6	52.9	54.0	99	17.9	116.4	49.5	6.5	98
MYCOGEN 2J337	92	C250	1,2,3	21.5	177.1	51.9	3.0	95	21.7	223.8	51.7	2.6	99	24.0	187.5	52.7	3.2	99	18.7	120.0	51.5	3.3	86
MYCOGEN 2T224	86	C125	1,2,3,4,6	20.4	184.2 *	52.5	1.8	100	21.1	211.6	52.5	0.0	100	21.9	212.8 *	51.7	3.5	100	18.1	128.3 *	53.4	2.0	100
NK Brand N29T-3000GT Brand	92	C250	1,2,3,4	19.9	174.6	50.1	8.6	98	21.5	216.0	51.3	10.9	100	21.8	182.5	50.1	12.1	100	16.6	125.2 *	48.9	2.9	94
NuTech 5N-290	90	C250	1,2,3,4	20.0	169.6	50.8	16.9	96	21.5	201.6	51.8	16.1	95	21.7	185.5	51.3	30.2	100	16.8	121.6 *	49.2	4.3	94
NuTech 5N-9001	90	C250	1,2,3,4	22.1	170.4	51.5	17.0	97	22.5	198.2	51.8	15.2	100	24.1	190.6	52.3	35.7	100	19.6	122.3 *	50.6	0.0	90
PIONEER P8906HR	89	P1250	1,2,4,6	19.9	167.8	53.5	5.7	100	20.9	204.0	53.8	5.7	100	22.0	193.1	53.4	10.1	100	17.0	106.2	53.3	1.4	100
RENK RK295GTCBLLRW	85	P250	1,2,3,4	21.2	161.9	51.2	25.0	98	22.9	193.8	52.1	33.3	100	23.7	170.8	51.1	30.5	100	17.0	121.2 *	50.5	11.2	95
RENK RK302GTCBLLRW	90	P250	1,2,3,4	20.2	174.5	50.1	9.6	96	22.1	209.3	52.8	12.0	95	22.1	188.9	48.7	12.6	100	16.4	125.3 *	48.8	4.1	93
RENK RK434VT3P	92	P250	1,2,3	21.8	175.0	51.6	5.8	100	21.8	209.2	52.2	0.9	100	24.3	209.7 *	52.7	0.0	100	19.3	106.0	50.0	16.4	99
RENK RK530VT3P	94	P250	1,2,3	22.4	173.5	53.1	2.4	97	23.5	228.7	54.6	3.5	99	23.9	189.5	53.5	2.6	100	19.7	102.3	51.2	1.2	93

UNITY SEEDS US7690-3000GT	90	C250	1,2,3,4	21.4	171.2	53.0	10.2	96	22.0	195.7	52.3	26.0	99	24.1	198.2	51.0	4.0	100	18.1	119.7	55.8	0.6	91
AVERAGE				21.2	170.1	52.3	10.9	97	22.0	203.9	52.7	12.6	99	23.4	189.2	52.4	14.8	99	18.1	117.3	51.8	5.2	94
HIGHEST				24.4	192.5	55.8	38.4	100	25.1	244.6	56.8	67.5	100	27.4	218.8	56.7	55.2	100	21.4	137.6	56.2	28.9	100
LOWEST				18.6	120.9	50.1	0.6	88	19.1	139.1	50.8	0.0	93	20.3	139.0	48.7	0.0	91	15.9	74.2	47.9	0.0	76
CV (%)				4.8	7.1	3.8	146.2	5.0	5.1	5.5	3.3	125.7	4.0	4.8	7.1	4.3	139.8	2.0	4.7	10.0	3.8	170.0	8.0
LSD (5%)				0.8	9.7	1.6	12.8	4.0	1.6	15.7	2.4	22.2	5.0	1.6	18.7	3.2	29.0	2.0	1.2	16.4 *	2.8	12.5	11.0

2 Year Averages 2011 - 2010				TRIAL AVERAGE					Arenac - Early					Grand Traverse - Early					Menominee - Late				
BRAND / HYBRID	RM	TRT	TRAIT	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd
BAYSIDE 4090	90			20.7	184.6	50.7	11.7	98	21.2	206.4 *	51.5	3.5	98	22.7	205.9	50.8	6.3	100	18.3	141.4	50.0	25.3	96
BAYSIDE 9081GT	81		1	18.9	160.4	51.9	12.8	99	19.5	172.8	52.2	4.0	100	21.0	172.3	51.2	4.6	99	16.3	136.2	52.4	29.8	99
DEKALB DKC38-89 VT3	88	P500	1,2,3	21.7	192.9	51.2	1.8	99	22.1	205.9 *	51.5	1.9	100	23.4	214.8 *	51.1	1.4	100	19.5	157.9 *	51.1	2.0	97
DEKALB DKC42-72 VT3	92	P500	1,2,3	20.8	199.7 *	52.4	1.6	97	21.4	211.5 *	51.6	0.1	99	23.2	222.2 *	52.7	0.9	99	17.8	165.5 *	52.8	3.9	93
DYNAGRO D35RR40	95		1	21.6	201.5 **	50.8	3.1	95	21.8	213.9 *	50.6	0.9	96	24.2	223.0 **	51.1	2.5	95	18.8	167.5 **	50.6	5.9	94
GARST 89K65-3000GT Brand	88	C250	1,2,3,4	19.4	170.4	52.7	29.0	97	19.2	169.4	53.2	36.5	99	21.6	189.6	53.0	18.7	100	17.4	152.3	52.0	31.8	92
HYLAND SEEDS 8454	93	P250	1,2,3,4,6	22.2	187.8	50.6	4.8	99	22.4	209.9 *	51.7	2.0	99	25.4	210.5 *	51.1	1.4	100	18.9	142.9	49.1	10.8	98
MYCOGEN 2J337	92	C250	1,2,3	22.2	192.4	51.4	3.8	97	22.0	215.4 **	51.6	1.6	99	25.0	207.0	51.3	1.6	100	19.6	154.8 *	51.2	8.2	92
MYCOGEN 2T224	86	C125	1,2,3,4,6	20.1	192.1	51.8	3.8	100	20.4	199.6	51.6	0.1	100	21.4	211.1 *	51.5	1.7	100	18.5	165.5 *	52.2	9.6	100
AVERAGE				20.9	186.9	51.5	8.0	98	21.1	200.5	51.7	5.6	99	23.1	206.3	51.5	4.3	99	18.3	153.8	51.3	14.1	96
HIGHEST				22.2	201.5	52.7	29.0	100	22.4	215.4	53.2	36.5	100	25.4	223.0	53.0	18.7	100	19.6	167.5	52.8	31.8	100
LOWEST				18.9	160.4	50.6	1.6	95	19.2	169.4	50.6	0.1	96	21.0	172.3	50.8	0.9	95	16.3	136.2	49.1	2.0	92
CV (%)				4.8	7.2	3.1	134.8	4.0	5.6	5.8	2.8	108.0	3.0	4.5	6.8	3.4	120.4	2.0	3.9	10.1	3.2	182.1	6.0
LSD (5%)				0.6	7.2	0.9	8.0	2.0	1.2	11.5	1.4	11.3	3.0	1.0	12.9	1.7	14.4	2.0	0.7	12.9	1.6	15.8	6.0

3 Year Averages 2011 - 2009				TRIAL AVERAGE					Arenac - Early					Grand Traverse - Early					Menominee - Late				
BRAND / HYBRID	RM	TRT	TRAIT	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd
DEKALB DKC38-89 VT3	88	P500	1,2,3	24.8	181.9 *	51.3	1.9	98	24.3	197.9 *	51.5	2.0	98	28.8	193.5 *	50.9	1.4	98	21.3	154.3 *	51.6	2.2	96
DEKALB DKC42-72 VT3	92	P500	1,2,3	24.7	187.4 **	52.0	2.3	98	24.2	203.0 *	51.5	1.5	100	29.2	199.7 **	52.0	2.6	99	20.7	159.6 **	52.6	2.9	95
MYCOGEN 2J337	92	C250	1,2,3	25.2	183.1 *	51.4	4.0	98	23.6	204.1 **	51.7	3.2	99	30.1	189.3	51.0	2.9	100	21.8	156.0 *	51.5	6.0	95
AVERAGE				24.9	184.1	51.6	2.7	98	24.0	201.7	51.6	2.2	99	29.4	194.2	51.3	2.3	99	21.3	156.6	51.9	3.7	95
HIGHEST				25.2	187.4	52.0	4.0	98	24.3	204.1	51.7	3.2	100	30.1	199.7	52.0	2.9	100	21.8	159.6	52.6	6.0	96
LOWEST				24.7	181.9	51.3	1.9	98	23.6	197.9	51.5	1.5	98	28.8	189.3	50.9	1.4	98	20.7	154.3	51.5	2.2	95
CV (%)				5.6	7.1	2.9	130.1	4.0	6.6	5.9	2.3	92.3	3.0	5.7	6.5	2.8	102.9	2.0	8.4	9.3	2.7	156.3	5.0
LSD (5%)				0.7	7.4	0.9	7.9	2.0	1.2	9.5	1.0	7.6	2.0	1.1	10.0	1.2	9.7	2.0	1.3	9.8	1.1	10.6	4.0

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid