

2018 Michigan Corn Hybrids Compared
Michigan State University
Department of Plant, Soil & Microbial Sciences

Zone 2 / 3 - INGHAM, MONTCALM & SAGINAW COUNTY CONVENTIONAL GRAIN TRIALS - EARLY (96 Day and Earlier)

2018			Early - TRIAL AVERAGE					Ingham - Early					Montcalm - Early					Saginaw - Early				
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
BLUE RIVER 38G54	96	MXL CONV	19.9	204.8	51.3	3.1	96						20.6	205.5	51.1	3.6	93	19.2	204.1	51.5	2.6	98
DYNAGRO D39CC43	99	P500 CONV	19.6	221.7 *	50.5	1.8	98						19.2	221.9 *	50.7	1.8	97	19.9	221.4 *	50.3	1.8	98
LEGACY SEEDS L-3547 CONV	95	M25(CONV	19.4	199.2	51.5	4.5	96						19.3	194.8	52.1	7.2	95	19.4	203.5	50.9	1.8	96
LEGACY SEEDS L-3712 CONV	96	M25(CONV	18.1	210.9	52.2	2.1	99						18.8	212.3 *	53.2	2.9	99	17.4	209.5 *	51.2	1.2	99
LG SEEDS LG5427	95	P500 CONV	18.1	210.5	52.2	2.5	98						18.3	208.6	53.1	2.7	97	17.9	212.3 *	51.2	2.3	99
LG SEEDS LG5470	98	P500 CONV	19.1	221.2 *	51.3	2.8	99						19.0	221.5 *	51.8	3.2	98	19.2	220.8 *	50.7	2.3	99
M&W SEEDS 47J64	94	P250 CONV	17.8	217.7 *	52.6	0.2	99						17.8	221.0 *	53.4	0.3	98	17.7	214.4 *	51.7	0.0	99
M&W SEEDS 47R22	94	P250 CONV	19.1	207.6	53.7	3.3	96						19.4	216.5 *	54.7	3.1	93	18.7	198.6	52.7	3.5	98
M&W SEEDS 46L41	96	P250 CONV	18.4	208.2	52.7	2.1	91						17.9	211.9 *	52.7	1.7	86	18.8	204.5	52.6	2.4	96
M&W SEEDS 45P33	100	P250 CONV	18.9	216.6 *	50.0	0.6	97						19.3	225.7 *	51.2	0.3	97	18.4	207.4	48.7	0.9	97
M&W SEEDS 45R05	100	P250 CONV	22.9	226.4 **	52.5	4.5	93						22.7	230.0 **	52.4	4.9	88	23.0	222.7 **	52.5	4.1	98
M&W SEEDS 45A37	101	P250 CONV	20.6	212.7	51.0	2.4	96						19.8	214.2 *	51.8	3.2	97	21.4	211.2 *	50.2	1.5	95
RUPP XRA94-16	94	C250 CONV.	18.3	198.5	52.5	2.8	97						18.6	191.2	53.0	1.8	95	17.9	205.8	51.9	3.7	98
RUPP XRA99-20	99	C250 CONV.	18.5	217.0 *	53.0	2.4	98						18.4	222.7 *	53.5	1.8	96	18.5	211.3 *	52.4	2.9	99
RUPP XRA00-21	100	C250 CONV.	20.9	204.8	51.6	4.8	87						21.0	198.4	52.2	6.9	80	20.8	211.1 *	50.9	2.7	94
VIKING O.84-95UP	95	C250 CONV	17.9	199.7	52.3	1.4	95						18.0	195.7	53.2	0.6	96	17.7	203.6	51.3	2.1	94
VIKING O.98-98P	98	C250 CONV	19.6	217.3 *	51.6	3.0	93						20.0	223.4 *	51.8	1.0	87	19.2	211.2 *	51.3	5.0	98
VIKING O.79-00	100	CONV	20.1	200.7	49.0	2.7	88						21.1	197.3	48.7	2.9	81	19.1	204.0	49.3	2.4	95
AVERAGE			19.3	210.9	51.8	2.6	95						19.4	211.8	52.2	2.8	93	19.1	209.9	51.2	2.4	97
HIGHEST			22.9	226.4	53.7	4.8	99						22.7	230.0	54.7	7.2	99	23.0	222.7	52.7	5.0	99
LOWEST			17.8	198.5	49.0	0.2	87						17.8	191.2	48.7	0.3	80	17.4	198.6	48.7	0.0	94
CV (%)			4.7	6.8	1.7	104.7	7.0						4.3	7.6	1.4	113.6	11.0	5.0	5.8	2.0	93.0	2.0
LSD (5%)			0.8	11.8	0.7	2.2	5.0						1.0	19.2	0.8	3.7	12.0	1.1	14.4	1.2	2.6	2.0

Zone 2 / 3 - INGHAM, MONTCALM & SAGINAW COUNTY CONVENTIONAL GRAIN TRIALS - EARLY (96 Day and Earlier) - CONTINUED

2 Year Averages 2018 - 2017			Early - TRIAL AVERAGE					Ingham - Early					Montcalm - Early					Saginaw - Early				
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
BLUE RIVER 38G54	96	MXL CONV	19.2	199.0 *	51.7	1.6	97						20.9	199.5 *	51.0	1.8	96	17.4	198.5 *	52.4	1.3	98
LG SEEDS LG5470	98	P500 CONV	19.0	202.1 **	52.0	1.7	100						20.6	204.1 **	51.7	2.0	99	17.3	200.1 **	52.2	1.3	100
M&W SEEDS 47J64	94	P250 CONV	17.7	201.4 *	53.0	0.4	98						18.9	203.2 *	53.2	0.1	96	16.5	199.5 *	52.8	0.6	99
M&W SEEDS 46L41	96	P250 CONV	18.9	198.2 *	52.9	1.3	95						19.8	199.3 *	52.6	1.4	92	17.9	197.0 *	53.2	1.2	98
M&W SEEDS 45A37	101	P250 CONV	20.1	198.4 *	52.0	1.4	96						20.8	202.9 *	51.9	1.9	96	19.4	193.8 *	52.0	0.9	96
VIKING O.84-95UP	95	C250 CONV	18.1	189.7	53.3	0.8	96						19.0	192.7 *	53.5	0.3	96	17.2	186.7	53.0	1.3	96
VIKING O.79-00	100	CONV	20.3	187.6	49.2	1.4	94						22.8	192.8 *	48.4	1.6	90	17.7	182.3	50.0	1.2	97
AVERAGE			19.0	196.6	52.0	1.2	97						20.4	199.2	51.8	1.3	95	17.6	194.0	52.2	1.1	98
HIGHEST			20.3	202.1	53.3	1.7	100						22.8	204.1	53.5	2.0	99	19.4	200.1	53.2	1.3	100
LOWEST			17.7	187.6	49.2	0.4	94						18.9	192.7	48.4	0.1	90	16.5	182.3	50.0	0.6	96
CV (%)			5.8	7.7	1.8	151.4	6.0						4.7	6.8	1.5	117.5	8.0	5.7	6.4	1.7	95.6	2.0
LSD (5%)			0.6	8.4	0.5	1.7	3.0						0.8	11.6	0.6	2.2	6.0	0.9	11.6	0.8	1.6	2.0

3 Year Averages 2018 - 2016			Early - TRIAL AVERAGE					Ingham - Early					Montcalm - Early					Saginaw - Early				
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
LG SEEDS LG5470	98	P500 CONV	18.4	209.5 **	52.6	1.2	99						20.2	205.7 **	51.6	1.3	99	16.5	213.2 **	53.5	1.0	99
M&W SEEDS 47J64	94	P250 CONV	17.2	204.4 *	53.7	0.4	98						18.8	200.0 *	53.3	0.3	97	15.6	208.7 *	54.0	0.4	99
M&W SEEDS 46L41	96	P250 CONV	18.1	205.3 *	53.7	1.1	96						19.5	200.9 *	53.0	1.2	95	16.7	209.7 *	54.3	0.9	97
M&W SEEDS 45A37	101	P250 CONV	19.4	198.9	52.8	1.0	97						20.9	197.3 *	52.2	1.3	96	17.9	200.4	53.4	0.6	97
AVERAGE			18.3	204.5	53.2	0.9	98						19.8	201.0	52.5	1.0	97	16.7	208.0	53.8	0.7	98
HIGHEST			19.4	209.5	53.7	1.2	99						20.9	205.7	53.3	1.3	99	17.9	213.2	54.3	1.0	99
LOWEST			17.2	198.9	52.6	0.4	96						18.8	197.3	51.6	0.3	95	15.6	200.4	53.4	0.4	97
CV (%)			5.1	7.1	1.8	142.5	5.0						5.0	6.7	1.8	130.5	6.0	5.1	6.6	1.6	83.4	4.0
LSD (5%)			0.4	6.1	0.4	1.1	2.0						0.7	9.2	0.6	1.7	4.0	0.6	9.6	0.6	0.9	3.0

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

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Zone 2 / 3 - INGHAM, MONTCALM & SAGINAW COUNTY CONVENTIONAL GRAIN TRIALS - LATE (100 Day and Later)

2018			Late - TRIAL AVERAGE					Ingham - Late					Montcalm - Late					Saginaw - 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
BLUE RIVER 48G35	102	MXL CONV	23.6	198.1	50.4	3.6	94						25.3	178.0	49.8	5.7	93	21.9	218.1 *	50.9	1.5	95
BLUE RIVER 51T59	103	MXL CONV	22.7	209.6	51.0	3.6	96						23.5	196.8	50.9	3.7	94	21.9	222.4 *	51.1	3.5	98
LG SEEDS LG5499	102	P500 CONV	20.5	218.1 *	51.4	3.8	98						21.4	211.6 *	52.1	4.7	98	19.6	224.5 *	50.6	2.9	98
LG SEEDS LG5565	105	P500 CONV	22.4	230.2 **	51.2	0.0	97											22.4	230.2 **	51.2	0.0	97
M&W SEEDS 45M43	103	P250 CONV	21.8	209.8	52.0	2.6	96						23.1	194.6	52.2	3.0	95	20.4	224.9 *	51.7	2.1	96
M&W SEEDS 45M79	103	P250 CONV	19.8	198.5	50.3	5.7	98						21.1	198.0	51.0	8.8	98	18.5	199.0	49.6	2.6	98
M&W SEEDS 44P85	104	P250 CONV	21.5	225.8 *	51.0	3.9	97						22.6	226.8 **	51.3	5.0	97	20.4	224.8 *	50.7	2.7	96
M&W SEEDS 44M87	108	P250 CONV	26.1	212.2	50.6	3.8	97						27.8	209.2 *	50.8	3.8	96	24.3	215.2	50.3	3.8	97
MASTERS CHOICE MCT-5790	107	MCM CONV	25.8	193.9	51.0	8.4	89						26.6	182.6	50.4	5.4	87	24.9	205.1	51.5	11.3	90
RUPP XRA02-20	102	C250 CONV.	21.6	209.8	51.5	3.4	97						22.8	198.8	51.6	4.7	97	20.4	220.8 *	51.3	2.1	96
VIKING 55-02	102	C250 CONV	23.6	217.4 *	52.0	3.4	97						24.5	219.9 *	52.0	5.3	97	22.7	214.9	51.9	1.5	97
VIKING 51-04GS	104	C250 CONV	24.1	204.3	50.1	8.3	97						25.0	197.2	49.9	2.6	96	23.2	211.4	50.3	14.0	98
WELLMAN W2408	108	CONV	23.2	222.9 *	50.7	3.0	98						23.6	215.7 *	51.6	3.2	96	22.8	230.1 *	49.7	2.8	100
WELLMAN W2708	108	CONV	24.7	201.5	48.9	5.2	95						25.0	189.4	49.4	5.3	95	24.4	213.6	48.4	5.1	95
AVERAGE			23.0	210.9	50.9	4.2	96						24.0	201.4	51.0	4.7	95	22.0	218.2	50.7	4.0	97
HIGHEST			26.1	230.2	52.0	8.4	98						27.8	226.8	52.2	8.8	98	24.9	230.2	51.9	14.0	100
LOWEST			19.8	193.9	48.9	0.0	89						21.1	178.0	49.4	2.6	87	18.5	199.0	48.4	0.0	90
CV (%)			4.8	7.7	1.9	152.5	3.0						5.1	8.5	1.6	145.5	2.0	3.7	5.4	1.4	197.8	2.0
LSD (5%)			0.9	13.5	0.8	5.3	2.0						1.5	20.5	1.0	14.5	3.0	1.0	14.0	0.9	9.4	3.0

Zone 2 / 3 - INGHAM, MONTCALM & SAGINAW COUNTY CONVENTIONAL GRAIN TRIALS - LATE (100 Day and Later) - CONTINUED

2 Year Averages 2018 - 2017			Late - TRIAL AVERAGE					Ingham - Late					Montcalm - Late					Saginaw - 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
BLUE RIVER 48G35	102	MXL CONV	23.1	186.1	50.7	2.2	95						25.6	173.7	49.8	3.3	95	20.6	198.5	51.5	1.0	95
BLUE RIVER 51T59	103	MXL CONV	22.6	197.8	51.2	1.8	96						24.0	185.7 *	51.1	1.8	93	21.2	209.9	51.3	1.8	99
LG SEEDS LG5499	102	P500 CONV	21.6	199.7	51.5	2.4	96						23.8	181.1	51.1	2.8	93	19.4	218.3	51.8	2.0	99
LG SEEDS LG5565	105	P500 CONV	21.7	229.8 **	52.7	0.7	98											21.7	229.8 **	52.7	0.7	98
M&W SEEDS 45M43	103	P250 CONV	21.8	204.4	52.2	1.3	95						23.9	192.4 *	51.5	1.5	95	19.7	216.3	52.8	1.0	95
M&W SEEDS 44M87	108	P250 CONV	25.6	204.6	51.5	2.1	95						27.6	197.0 **	51.2	2.3	91	23.6	212.2	51.7	1.9	98
WELLMAN W2708	108	CONV	24.1	199.9	50.7	3.2	95						25.0	187.2 *	50.5	3.7	92	23.1	212.5	50.9	2.6	97
AVERAGE			22.9	203.2	51.5	2.0	96						25.0	186.2	50.9	2.6	93	21.3	213.9	51.8	1.6	97
HIGHEST			25.6	229.8	52.7	3.2	98						27.6	197.0	51.5	3.7	95	23.6	229.8	52.8	2.6	99
LOWEST			21.6	186.1	50.7	0.7	95						23.8	173.7	49.8	1.5	91	19.4	198.5	50.9	0.7	95
CV (%)			5.8	7.6	2.0	160.4	4.0						5.3	7.7	2.0	251.6	4.0	4.8	5.7	1.5	212.8	2.0
LSD (5%)			0.8	9.0	0.6	2.8	2.0						1.1	12.4	0.8	7.2	3.0	0.9	10.1	0.6	5.0	2.0

3 Year Averages 2018 - 2016			Late - TRIAL AVERAGE					Ingham - Late					Montcalm - Late					Saginaw - 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
BLUE RIVER 51T59	103	MXL CONV	21.5	204.7 *	51.7	2.5	96						23.8	187.1	50.9	3.3	95	19.1	222.3 *	52.5	1.6	97
LG SEEDS LG5499	102	P500 CONV	21.1	207.3 *	52.1	1.8	97						24.2	186.5	50.6	2.0	95	17.9	228.0 **	53.5	1.5	98
M&W SEEDS 45M43	103	P250 CONV	21.0	207.7 *	53.1	1.1	95						23.5	192.7 *	51.5	1.4	96	18.4	222.7 *	54.6	0.7	94
M&W SEEDS 44M87	108	P250 CONV	24.2	210.6 **	52.0	1.6	94						27.0	199.3 **	51.1	1.7	92	21.4	221.9 *	52.9	1.4	95
WELLMAN W2708	108	CONV	22.7	206.8 *	51.4	2.3	95						24.6	192.2 *	50.2	2.9	94	20.8	221.4 *	52.5	1.7	95
AVERAGE			22.1	207.4	52.1	1.9	95						24.6	191.6	50.9	2.2	95	19.5	223.3	53.2	1.4	96
HIGHEST			24.2	210.6	53.1	2.5	97						27.0	199.3	51.5	3.3	96	21.4	228.0	54.6	1.7	98
LOWEST			21.0	204.7	51.4	1.1	94						23.5	186.5	50.2	1.4	92	17.9	221.4	52.5	0.7	94
CV (%)			5.0	6.9	2.0	147.9	6.0						5.1	7.0	2.1	232.5	4.0	4.4	5.9	1.7	208.3	4.0
LSD (5%)			0.5	6.4	0.5	1.7	3.0						0.8	9.2	0.7	4.9	2.0	0.6	8.7	0.6	3.3	3.0

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid