

2019 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)

2019				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
AGRIGOLD A629-22	99	P500	Conv.	29.3	165.0	51.2	0.5	95	34.0	163.5	48.8	1.0	90	24.6	166.5	53.5	0.0	99	Not Planted				
BLUE RIVER 26B78	88	P250	Conv.	26.9	162.6	51.5	6.5	99	30.2	151.6	48.2	11.7	98	23.5	173.5	54.8	1.2	100					
BLUE RIVER 27B16	88	P250	Conv.	27.5	169.2	51.7	11.2	97	31.2	133.3	48.7	20.9	95	23.7	205.0 **	54.7	1.5	99					
BLUE RIVER 33A16	92	P250	Conv.	29.0	159.3	50.5	4.6	92	33.0	130.8	47.9	5.7	87	25.0	187.7	53.0	3.4	96					
BLUE RIVER 38G54	96	P250	Conv.	29.2	164.4	49.5	2.2	88	33.7	140.8	48.2	4.1	76	24.6	188.0	50.8	0.3	100					
FS InVision FS45S00	95	C250	Conv.	26.3	181.0 **	50.2	3.7	96	29.0	182.8 **	47.8	5.9	95	23.5	179.1	52.6	1.5	97					
FS InVision FS50A00	100	C250	Conv.	29.6	162.0	49.2	1.1	96	34.4	152.9	47.7	2.2	91	24.8	171.1	50.7	0.0	101					
KingFisher 49C60	99		Conv.	29.7	164.6	49.7	1.7	94	33.4	146.6	47.8	3.3	90	25.9	182.6	51.5	0.0	98					
LEGACY SEEDS L-3438 CONV	94	CM250	Conv.	26.0	174.9 *	51.4	1.6	99	27.2	160.0	49.2	2.8	96	24.7	189.8	53.5	0.3	101					
LEGACY SEEDS L-3517 CONV	95	CM250	Conv.	27.8	177.9 *	50.7	0.2	94	31.6	173.0 *	48.7	0.3	90	23.9	182.8	52.6	0.0	97					
LEGACY SEEDS L-4148 CONV	100	CM250	Conv.	33.2	178.7 *	50.5	1.8	93	37.8	167.1	48.9	3.6	88	28.5	190.3	52.0	0.0	97					
LG SEEDS LG5470	98	P500	Conv.	28.8	161.0	49.4	1.0	91	33.3	148.5	47.5	1.0	81	24.3	173.5	51.2	0.9	100					
LG SEEDS LG5505	100	P500	Conv.	30.1	157.7	50.2	0.6	91	35.5	146.7	47.6	1.1	82	24.6	168.6	52.8	0.0	99					
M&W SEEDS 47J64	94	C250	Conv.	27.1	169.2	51.0	1.0	92	30.9	159.0	48.8	1.6	92	23.3	179.3	53.1	0.3	92					
M&W SEEDS 47R22	94	C250	Conv.	25.9	167.5	52.1	2.5	95	27.5	145.1	50.2	2.2	92	24.3	189.9	53.9	2.7	98					
M&W SEEDS 45P33	100	C250	Conv.	30.0	162.8	49.0	0.2	89	35.1	160.8	48.1	0.3	83	24.9	164.7	49.9	0.0	94					
RENK RK568	95	P250	CONV.	28.9	158.5	50.3	0.8	92	33.8	154.7	48.7	0.7	83	23.9	162.2	51.8	0.9	100					
RUPP XRA97-55	97	P250	Conv.	28.0	171.0	50.8	0.2	95	32.2	168.1 *	48.9	0.3	90	23.7	173.8	52.6	0.0	99					
VIKING O.84-95UP	95	C250	Conv.	27.6	170.7	50.7	0.6	94	32.4	177.2 *	48.7	0.6	92	22.8	164.1	52.7	0.6	95					
VIKING O.98-98P	98	C250	Conv.	29.1	167.4	49.4	0.0	87	32.4	163.3	47.9	0.0	79	25.7	171.5	50.8	0.0	95					
VIKING O.85-00P	100	C250	Conv.	30.2	170.7	49.3	1.4	95	35.6	162.4	47.6	2.8	89	24.8	178.9	51.0	0.0	100					
AVERAGE				28.6	167.4	50.4	2.1	94	32.6	156.6	48.4	3.4	88	24.5	178.2	52.4	0.6	98					
HIGHEST				33.2	181.0	52.1	11.2	99	37.8	182.8	50.2	20.9	98	28.5	205.0	54.8	3.4	101					
LOWEST				25.9	157.7	49.0	0.0	87	27.2	130.8	47.5	0.0	76	22.8	162.2	49.9	0.0	92					
CV (%)				3.9	6.5	1.4	232.2	6	4.3	8.0	1.2	192.6	8	3.0	5.1	1.6	154.1	3					
LSD (5%)				0.9	9.0	0.6	3.9	5	1.7	14.8	0.7	7.8	9	0.9	10.7	1.0	1.2	4					

2 Year Averages 2019 - 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	P250	Conv.	23.8	184.0	51.1	2.8	91	25.0	171.3	51.3	3.6	86	22.6	196.7 *	50.9	2.0	96					
LG SEEDS LG5470	98	P500	Conv.	23.6	184.2	51.0	1.3	85	25.5	170.8	50.5	0.5	71	21.6	197.5 *	51.5	2.0	99					
M&W SEEDS 47J64	94	C250	Conv.	22.1	181.4	52.5	0.6	86	23.7	162.7	51.7	0.8	76	20.5	200.1 *	53.2	0.3	95					
M&W SEEDS 47R22	94	C250	Conv.	21.8	203.2 **	54.3	2.9	95						21.8	203.2 **	54.3	2.9	95					
M&W SEEDS 45P33	100	C250	Conv.	24.0	186.5	50.5	0.2	92	25.9	177.8 *	50.5	0.2	89	22.1	195.2 *	50.5	0.1	95					
VIKING O.84-95UP	95	C250	Conv.	22.7	183.0	52.0	0.5	94	24.9	186.0 **	51.0	0.3	92	20.4	179.9	53.0	0.6	96					
VIKING O.98-98P	98	C250	Conv.	23.7	175.9	51.2	2.7	90	24.6	154.3	51.1	4.9	88	22.8	197.4 *	51.3	0.5	91					
AVERAGE				23.1	185.5	51.8	1.6	90	24.9	170.5	51.0	1.7	84	21.7	195.7	52.1	1.2	95					
HIGHEST				24.0	203.2	54.3	2.9	95	25.9	186.0	51.7	4.9	92	22.8	203.2	54.3	2.9	99					
LOWEST				21.8	175.9	50.5	0.2	85	23.7	154.3	50.5	0.2	71	20.4	179.9	50.5	0.1	91					
CV (%)				3.9	7.1	1.6	188.6	6	4.3	9.9	1.5	177.1	16	3.4	7.0	1.5	255.5	7					
LSD (5%)				0.6	7.4	0.5	2.2	4	1.1	13.3	0.7	5.0	13	0.7	10.9	0.6	1.9	6					

3 Year Averages 2019 - 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	P250	Conv.	21.9	188.5 **	51.8	2.3	91	21.6	181.3 *	52.5	3.3	85	22.1	195.7 **	51.0	1.3	97					
LG SEEDS LG5470	98	P500	Conv.	21.9	187.0 *	51.7	1.5	90	21.9	180.0 *	51.9	1.3	80	21.8	193.9 *	51.5	1.6	99					
M&W SEEDS 47J64	94	C250	Conv.	20.5	187.1 *	53.0	0.7	88	20.6	178.9 *	52.8	1.1	81	20.4	195.2 *	53.1	0.2	95					
VIKING O.84-95UP	95	C250	Conv.	20.8	184.7 *	52.9	0.7	94	21.3	186.1 **	52.4	1.0	91	20.3	183.2	53.3	0.4	96					
AVERAGE				21.3	186.8	52.4	1.3	91	21.4	181.6	52.4	1.7	84	21.2	192.0	52.2	0.9	97					
HIGHEST				21.9	188.5	53.0	2.3	94	21.9	186.1	52.8	3.3	91	22.1	195.7	53.3	1.6	99					
LOWEST				20.5	184.7	51.7	0.7	88	20.6	178.9	51.9	1.0	80	20.3	183.2	51.0	0.2	95					
CV (%)				4.4	8.0	1.7	194.3	6	3.9	9.6	1.3	169.4	14	3.8	6.7	1.5	251.9	6					
LSD (5%)				0.5	6.5	0.4	1.6	2	0.8	10.8	0.5	3.7	9	0.6	8.5	0.5	1.5	4					

** 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)

2019				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
AGRIGOLD A634-93	103	P500	Conv.	30.6	155.2	50.4	5.1	90	35.8	117.6	47.4	8.0	83	25.4	192.7	53.3	2.1	97	Not Planted				
AGRIGOLD A635-54	105	P500	Conv.	35.9	154.8	49.6	2.1	96	41.5	135.7	48.3	4.1	92	30.2	173.8	50.8	0.0	99					
BLUE RIVER 48G35	102	P250	Conv.	35.0	160.8	48.6	5.6	96	41.0	114.5	47.0	9.1	92	28.9	207.0 **	50.2	2.1	99					
BLUE RIVER 51T59	103	P250	Conv.	34.7	161.3 *	49.2	1.8	90	41.8	133.3	47.5	2.3	86	27.5	189.2	50.9	1.2	94					
FS InVision FS5296C	102	C250	Conv.	32.2	164.6 *	49.5	0.4	88	37.3	134.1	47.6	0.7	80	27.0	195.0	51.3	0.0	95					
FS InVision FS54A00	104	C250	Conv.	36.1	158.1	49.5	2.2	93	42.6	115.0	47.2	3.4	87	29.5	201.2 *	51.8	0.9	99					
FS InVision FS58G00	108	C250	Conv.	36.2	165.0 *	47.6	5.7	90	39.9	137.0	45.6	11.3	88	32.4	193.0	49.5	0.0	91					
KEY 908	108		Conv.	35.4	132.0	48.9	1.3	94	41.9	101.8	46.9	2.6	90	28.9	162.1	50.8	0.0	98					
LEGACY SEEDS L-5217	102	CM250	Conv.	32.4	168.0 *	49.8	0.9	87	38.1	139.4 *	48.1	1.8	83	26.7	196.6 *	51.5	0.0	91					
LEGACY SEEDS L-6047	105	CM250	Conv.	34.1	157.7	49.2	0.7	86	41.1	122.7	46.9	0.7	74	27.0	192.7	51.4	0.6	98					
LG SEEDS LG54C04	104	P500	Conv.	33.2	162.6 *	50.0	5.1	90	39.5	129.2	47.8	9.3	81	26.8	196.0 *	52.2	0.9	99					
LG SEEDS LG5525	105	P500	Conv.	36.0	144.7	49.8	0.5	91	41.8	121.3	48.3	0.3	82	30.2	168.0	51.2	0.6	100					
M&W SEEDS 45M43	103	C250	Conv.	33.7	150.0	49.9	6.0	88	40.2	125.3	48.0	11.6	84	27.2	174.6	51.7	0.3	92					
M&W SEEDS 45R67	103	C250	Conv.	32.1	166.0 *	49.4	0.2	86	36.5	140.8 *	47.6	0.3	80	27.7	191.1	51.1	0.0	91					
M&W SEEDS 44P85	105	C250	Conv.	33.4	156.2	49.1	2.6	92	38.8	134.3	47.4	4.2	89	27.9	178.1	50.7	0.9	94					
M&W SEEDS 44R33	106	C250	Conv.	32.2	168.4 *	49.3	6.7	88	37.4	148.7 *	48.0	13.4	83	26.9	188.1	50.5	0.0	93					
M&W SEEDS 44M87	108	C250	Conv.	38.9	142.5	49.8	2.3	86	45.1	104.3	48.3	4.5	79	32.6	180.7	51.3	0.0	93					
RENK RK642	102	P250	Conv.	34.0	155.9	49.3	9.2	88	41.0	132.3	47.4	18.1	82	27.0	179.5	51.2	0.3	94					
RENK RK724	104	P250	Conv.	36.4	169.6 *	49.1	4.6	92	42.4	136.9	46.9	7.7	89	30.3	202.2 *	51.2	1.5	94					
RUPP XRA02-20	102	P250	Conv.	33.9	154.1	49.9	0.6	93	40.7	123.8	48.2	0.3	86	27.1	184.4	51.6	0.9	100					
VIKING O.46-02P	102	C250	Conv.	33.0	170.9 **	49.6	2.9	93	37.9	154.6 **	48.2	5.1	88	28.0	187.1	50.9	0.6	97					
VIKING O.55-02UP	102	C250	Conv.	35.7	156.2	50.2	3.4	89	42.2	116.6	48.2	6.5	81	29.2	195.8 *	52.1	0.3	97					
VIKING O.51-04P	104	C250	Conv.	35.6	160.8	49.0	3.0	92	41.9	124.5	47.1	5.7	85	29.2	197.0 *	50.9	0.3	98					
VIKING O.18-06P	106	C250	Conv.	35.6	169.1 *	51.6	2.2	89	42.5	134.2	49.9	4.4	81	28.7	204.0 *	53.3	0.0	96					
WELLMAN W2902	102		Conv.	32.9	162.4 *	49.3	0.5	87	38.8	133.7	47.2	0.7	80	26.9	191.0	51.4	0.3	94					
WELLMAN W2906	106		Conv.	33.6	167.6 *	49.4	7.2	80	40.3	135.9	47.1	14.3	72	26.8	199.2 *	51.7	0.0	88					
WELLMAN W2910	110		Conv.	38.9	156.5	51.0	4.2	91	45.1	122.4	50.1	7.2	86	32.7	190.6	51.9	1.2	96					
AVERAGE				34.5	158.9	49.6	3.2	90	40.5	128.5	47.7	5.8	84	28.5	189.3	51.3	0.6	95					
HIGHEST				38.9	170.9	51.6	9.2	96	45.1	154.6	50.1	18.1	92	32.7	207.0	53.3	2.1	100					
LOWEST				30.6	132.0	47.6	0.2	80	35.8	101.8	45.6	0.3	72	25.4	162.1	49.5	0.0	88					
CV (%)				5.4	7.4	1.5	216.3	8	5.6	10.5	1.6	166.4	12	4.7	5.3	1.3	198.0	3					
LSD (5%)				1.5	9.7	0.6	5.7	6	2.7	15.9	0.9	11.4	12	1.6	11.7	0.8	1.3	3					

2 Year Averages 2019 - 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	P250	Conv.	28.9	170.5	49.7	4.5	92	30.7	148.5	49.3	5.0	87	27.1	192.5 *	50.0	3.9	96					
BLUE RIVER 51T59	103	P250	Conv.	28.0	182.2 *	50.6	2.0	93	30.4	171.3 *	50.2	1.6	91	25.5	193.0 *	50.9	2.4	94					
M&W SEEDS 45M43	103	C250	Conv.	27.9	171.2	51.3	4.1	92	30.6	157.8 *	50.6	6.5	90	25.1	184.6	51.9	1.7	94					
M&W SEEDS 44P85	105	C250	Conv.	27.1	189.5 **	50.7	2.6	93	29.0	176.5 **	50.3	2.3	90	25.2	202.5 **	51.0	2.9	95					
M&W SEEDS 44M87	108	C250	Conv.	32.2	181.0	50.8	2.4	89	34.1	167.0 *	50.4	2.8	83	30.2	194.9 *	51.1	1.9	94					
RUPP XRA02-20	102	P250	Conv.	27.6	176.8	51.3	1.5	95	30.3	161.9 *	51.0	0.2	91	24.9	191.6 *	51.6	2.8	98					
AVERAGE				28.6	178.5	50.7	2.9	92	30.8	163.8	50.3	3.1	88	26.3	193.2	51.1	2.6	95					
HIGHEST				32.2	189.5	51.3	4.5	95	34.1	176.5	51.0	6.5	91	30.2	202.5	51.9	3.9	98					
LOWEST				27.1	170.5	49.7	1.5	89	29.0	148.5	49.3	0.2	83	24.9	184.6	50.0	1.7	94					
CV (%)				4.7	8.4	1.7	205.1	6	5.6	19.0	1.8	144.4	12	4.6	7.3	1.5	700.5	3					
LSD (5%)				0.9	8.3	0.5	3.9	3	1.7	22.5	0.7	5.9	9	1.1	11.7	0.6	7.2	2					

3 Year Averages 2019 - 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 51T59	103	P250	Conv.											24.9	192.0 *	50.7	3.7	96					
M&W SEEDS 45M43	103	C250	Conv.											24.2	187.5	51.8	1.5	95					
M&W SEEDS 44M87	108	C250	Conv.											28.7	198.0 **	51.0	1.5	95					
RUPP XRA02-20	102	P250	Conv.											24.3	194.2 *	51.6	2.1	98					
AVERAGE														25.5	192.9	51.3	2.2	96					
HIGHEST														28.7	198.0	51.8	3.7	98					
LOWEST														24.2	187.5	50.7	1.5	95					
CV (%)														4.5	6.8	1.8	542.5	3					
LSD (5%)														0.8	8.8	0.6	4.9	2					

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid