

FACTSHEET 2023-2024 MD WHEAT TRIALS: AGRONOMIC CHARACTERISTICS AND DISEASE DATA

Brand	Variety	Yield Rank	Yield (% mean)	Yield (bu/A)	Test Weight (lbs)	Heading Date (Julian)	Plant Height (in)	Lodging (0-9)	BYDV (0-9)	Powdery Mildew (0-9)	Leaf Rust (0-9)	FHB (0-9)	DON (ppm)
MAS	MAS #67	81	95.3	116.6	61.3	123	32.2	0	2	1	1	1	0.9
Dyna-Gro	9553	46	100.3	122.8	60.2	126	33.9	0	2	1	1	1	1.5
MAS	MAS #106	3	109.5	134.1	61.7	121	33.9	2	0	6	2	1	0.2
Croplan	CPX93284	24	104.2	127.5	62.3	125	33.9	0	1	0	3	1	1.2
KWS Cereals	KWS490	61	98.5	120.6	61.3	125	32.2	2	1	6	0	1	0.9
EPIX SEED	EPIX 4380	27	103.1	126.2	61.1	126	33.9	1	2	1	0	1	1.2
Dyna-Gro	9533	7	108.4	132.7	59.5	125	28.8	0	0	0	4	1	0.9
Dyna-Gro	9172	69	97.5	119.3	59.6	124	33.9	0	0	2	3	1	1.2
Southern Harvest	SH 4222	35	101.9	124.8	61.7	124	35.6	2	1	0	3	1	0.3
Helena Agri	MBX 176	68	97.5	119.4	59.4	125	35.6	1	3	0	2	1	↑
KWS Cereals	KWS529	17	105.3	129.0	57.9	123	33.9	0	1	1	1	1	0.8
UMD	MDW148	20	104.9	128.4	60.7	124	37.3	0	1	0	0	1	3.1
KWS Cereals	KWS500	37	101.5	124.3	58.7	124	32.2	0	1	0	2	1	0.5
KWS Cereals	KWS527	34	102.0	124.8	59.1	126	33.9	0	2	0	2	1	1.0
MAS	MAS #178	21	104.4	127.8	57.7	125	35.6	1	0	1	1	2	0.8
MAS	MAS #189	87	94.5	115.7	62.3	122	37.3	2	0	5	5	2	0.1
Growmark Inc	FS 747	13	106.3	130.2	59.0	123	35.6	0	1	1	0	2	0.4
UMD	MDW_4-98-16	53	99.5	121.8	59.5	124	30.5	0	1	5	0	2	1.0
MAS	MAS #316	92	92.1	112.8	61.7	126	35.6	0	3	1	1	2	3.3
UMD	MDW_4-98-12	82	95.2	116.5	59.8	123	30.5	0	1	1	0	2	1.5
AgriMAXX	503.0	80	95.3	116.7	60.1	125	35.6	0	1	2	2	2	2.4
Helena Agri	MBX EXP 387	60	98.5	120.6	61.5	124	33.9	2	0	0	1	2	1.1
Revere	2347	1	110.5	135.3	61.2	125	37.3	2	1	0	5	2	0.8
GP Pro	GP 305	101	88.3	108.1	59.5	123	32.2	0	4	0	2	2	2.0
AgriMAXX	544	42	101.0	123.7	60.2	122	35.6	0	1	1	1	2	0.8
Dyna-Gro	9290	29	102.6	125.6	61.0	123	35.6	0	1	1	0	2	1.9
MAS	MAS #86	36	101.6	124.5	61.1	123	33.9	2	0	1	3	2	0.7
AgriMAXX	EXP 2404	45	100.4	122.9	61.0	126	33.9	0	3	0	1	2	2.5
AgriMAXX	513	55	99.3	121.6	60.3	124	32.2	3	1	0	5	2	1.1
Dyna-Gro	9231	8	108.1	132.4	60.5	124	37.3	0	1	1	3	2	0.9
Helena Agri	MBX 223	84	94.9	116.2	61.1	124	32.2	0	2	0	3	2	0.9
Dyna-Gro	9593.0	94	91.8	112.4	57.9	126	32.2	0	4	2	1	2	1.7
EPIX SEED	EPIX 1365	48	100.1	122.5	59.8	123	30.5	0	3	1	0	2	1.1
AgriMAXX	525	38	101.4	124.2	59.8	127	33.9	2	2	2	1	2	0.5
EPIX SEED	EPIX XP 980	43	101.0	123.6	61.5	125	33.9	0	0	0	5	2	1.1
USG	3673	41	101.1	123.8	58.2	124	32.2	1	0	2	0	2	0.8
Dyna-Gro	9393	50	99.8	122.2	60.7	124	33.9	0	1	2	0	2	1.1
Dyna-Gro	9151	64	98.1	120.1	62.4	124	35.6	0	1	0	5	3	1.0
EPIX SEED	EPIX 1375	54	99.3	121.6	62.5	121	33.9	2	1	0	0	3	2.0
Dyna-Gro	9120	59	98.8	121.0	62.4	124	32.2	0	1	1	1	3	1.0
Croplan	CPX93934	14	106.1	129.9	59.0	125	33.9	0	0	0	4	3	1.3
Dyna-Gro	9422	32	102.2	125.2	59.9	123	37.3	0	1	0	4	3	2.4
MAS	MAS #190	2	110.5	135.2	62.1	125	32.2	0	0	1	3	3	1.2
UMD	MDW_1-9-40	33	102.1	125.0	62.5	123	32.2	2	1	1	0	3	1.2
AgriMAXX	505	11	106.5	130.4	62.9	124	33.9	0	1	0	5	3	2.6
Helena Agri	MBX EXP 360	23	104.2	127.6	60.6	125	33.9	0	1	0	5	3	1.5
Helena Agri	MBX 127	93	92.0	112.6	61.0	124	32.2	0	1	1	4	3	0.8
MAS	MAS #228	78	95.6	117.0	61.2	125	37.3	0	1	1	3	3	1.3
MAS	MAS #2	98	90.3	110.5	64.4	125	37.3	3	0	4	1	3	1.2
UMD	FHB-MAS02-09-3	86	94.5	115.7	60.8	122	28.8	0	1	1	0	3	0.8
Growmark Inc	FS 745	66	97.8	119.7	61.1	124	33.9	0	3	4	4	3	3.0
USG	3329	72	96.9	118.7	59.6	125	33.9	2	1	1	4	3	1.4
Helena Agri	AgriPro GP 543	18	105.3	128.9	59.1	122	33.9	0	0	0	0	3	0.6
KWS Cereals	KWS525	79	95.4	116.8	58.4	125	28.8	0	4	0	4	3	1.2
UMD	MDW_4-98-27	85	94.6	115.8	59.8	124	35.6	0	0	2	0	3	1.5
Croplan	CPX93117	95	91.0	111.4	56.1	122	33.9	2	1	0	0	3	0.9
USG	3884	65	97.9	119.9	58.5	124	33.9	0	2	3	2	3	1.9
Helena Agri	MBX 230	58	99.1	121.3	59.9	124	35.6	0	1	0	5	3	1.2
Growmark Inc	FS 743	77	95.7	117.2	61.0	124	35.6	0	2	0	4	3	0.2
Southern Harvest	SH 5123	19	105.1	128.7	58.6	124	33.9	0	0	1	0	3	0.9
UMD	MDW_1-9-37	39	101.4	124.1	58.6	123	33.9	2	1	1	0	3	0.6
AgriMAXX	516	47	100.2	122.7	60.6	124	35.6	0	1	1	5	3	0.8
Virginia Tech	Phoenix 29	49	100.0	122.4	62.1	125	30.5	3	0	0	0	3	2.4
UMD	MDW17	96	91.0	111.4	58.9	123	33.9	2	3	0	0	4	0.7
Revere	2277.0	90	93.5	114.5	61.8	125	33.9	1	0	0	1	4	1.3
MAS	MAS #155	10	107.1	131.2	61.9	123	35.6	1	0	0	6	4	1.0
UMD	FHB-MAS03-29-2	40	101.3	124.0	59.5	123	33.9	1	0	0	0	4	0.9

Brand	Variety	Yield Rank	Yield (% mean)	Yield (bu/A)	Test Weight (lbs)	Heading Date (Julian)	Plant Height (in)	Lodging (0-9)	BYDV (0-9)	Powdery Mildew (0-9)	Leaf Rust (0-9)	FHB (0-9)	DON (ppm)
UMD	MDW_447-3	88	94.5	115.7	61.6	125	33.9	1	1	1	0	4	0.3
MAS	MAS #225	26	103.7	126.9	59.7	126	33.9	2	2	0	3	4	2.0
UMD	MDW_1-9-8	71	97.2	119.1	57.1	127	35.6	2	3	1	0	4	0.4
USG	3354	16	105.4	129.1	58.7	123	33.9	2	0	0	1	4	0.5
MAS	MAS #227	52	99.5	121.9	58.7	125	32.2	0	1	0	2	4	1.2
Dyna-Gro	9570.0	99	90.1	110.3	59.2	123	33.9	0	1	2	0	4	0.8
EPIX SEED	EPIX 2356	73	96.8	118.6	60.8	124	33.9	0	1	1	2	4	1.0
AgriMAXX	545	9	107.4	131.4	61.3	125	33.9	2	1	1	7	4	0.9
Southern Harvest	SH 9520	97	90.5	110.8	62.1	125	32.2	0	1	0	2	4	1.1
USG	3472	15	105.8	129.6	59.9	125	33.9	0	0	2	4	4	1.2
Revere	2169.0	83	95.1	116.4	61.0	125	32.2	0	0	0	2	5	1.5
UMD	MDW_447-4	25	104.1	127.4	60.7	125	37.3	2	1	1	0	5	0.8
USG	3352	6	108.9	133.4	62.6	125	37.3	3	0	0	3	5	1.2
MAS	MAS #133	100	89.3	109.4	57.7	125	35.6	0	2	1	2	5	1.9
USG	3363	4	109.5	134.0	62.3	124	39.0	1	0	0	5	5	0.8
MAS	MAS #139	44	101.0	123.6	58.8	123	33.9	0	1	1	8	5	0.9
EPIX SEED	EPIX 3389	31	102.4	125.4	62.9	124	30.5	0	1	2	1	5	1.2
UMD	MDW_195-5	63	98.1	120.1	60.9	124	32.2	0	1	0	0	5	1.8
UMD	MDW_1-9-20	75	96.0	117.6	59.8	123	32.2	0	1	0	0	6	1.1
Virginia Tech	VA19W-29	22	104.3	127.7	62.4	122	35.6	2	1	1	5	6	1.4
UMD	MDW-16-463-6	51	99.6	122.0	58.9	125	35.6	2	2	0	0	6	1.9
EPIX SEED	EPIX 4372	56	99.2	121.5	60.9	124	33.9	1	1	1	4	6	1.2
Virginia Tech	VA19FHB-36	62	98.4	120.5	61.9	123	37.3	0	0	1	0	6	1.6
UMD	MDW-555-4	57	99.1	121.3	56.4	124	33.9	3	2	0	0	7	0.6
VCIA	VT Pitman	30	102.5	125.4	61.8	123	30.5	3	1	0	0	7	1.2
Virginia Tech	17VTK4-29	5	109.0	133.5	60.7	122	32.2	2	1	0	1	8	1.0
UMD	MDW23-2	70	97.5	119.3	58.9	124	33.9	1	1	0	0	8	1.3
UMD	FHB-MAS08-31-1	67	97.6	119.5	58.7	122	30.5	0	0	0	0	9	1.9
UMD	FHB-MAS13-16-4	91	92.3	113.1	59.3	123	35.6	0	2	0	0	9	1.4
USG	3661	12	106.4	130.2	61.5	124	32.2	3	1	1	1	9	1.6
Virginia Tech	15VTK-1-101	74	96.1	117.7	62.0	124	28.8	0	0	0	0	9	1.6
UMD	FHB-MAS08-11-3	28	103.0	126.1	60.3	123	32.2	0	1	1	0	9	1.5
Southern Harvest	SH 7200	76	95.8	117.3	59.6	120	33.9	4	1	1	0	9	2.3
UMD	FHB-MAS13-16-2	89	94.0	115.1	60.6	123	33.9	0	2	0	0	†	†
		Mean	122.4		60.4	124.0	33.9					3.4	1.2
		CV (%)	18.9		6.8	1.0	6.2					-	-
		LSD (α=0.05)	37.0		6.6	-	-					-	-

***Notes 1. Heights and Heading Dates are Averaged from Wye and Beltsville Locations
2. Disease scores recorded on 0-9 scale are based on visual ratings, '0' = no disease or low severity and '9' = high disease severity.
3. Entries have been sorted in increasing order of FHB score
† Data missing from FHB Misted Nursery