

FACTSHEET 2023- 2024 MARYLAND STATEWIDE WHEAT YIELD TRIAL RESULTS

S. No	Brand	Variety	Statewide Average				Wye				Beltsville				Poplar Hill			
			Rank	Yield (% mean)	Yield (bu/A)	Test Weight (lbs)	Rank	Yield (% mean)	Yield (bu/A)	Test Weight (lbs)	Rank	Yield (% mean)	Yield (bu/A)	Test Weight (lbs)	Rank	Yield (% mean)	Yield (bu/A)	Test Weight (lbs)
1	Revere	2347	1	110.5	135.3	61.2	5	109.0	165.5	63.1	10	111.2	126.2	57.6	25	104.1	114.0	63.0
2	MAS	MAS #190	2	110.5	135.2	62.1	2	110.5	173.9	65.9	11	110.3	125.2	57.1	54	99.3	106.7	63.3
3	MAS	MAS #106	3	109.5	134.1	61.7	6	108.9	164.9	63.8	43	101.1	114.7	56.4	5	109.0	122.6	64.9
4	USG	3363	4	109.5	134.0	62.3	8	108.1	164.2	66.5	14	108.9	123.7	57.5	24	104.2	114.2	62.9
5	Virginia Tech	17VTK4-29	5	109.0	133.5	60.7	25	104.1	154.5	63.8	26	103.7	117.7	56.8	2	110.5	128.2	61.5
6	USG	3352	6	108.9	133.4	62.6	13	106.3	160.7	68.0	7	112.5	127.7	56.8	34	102.0	111.7	63.1
7	Dyna-Gro	9533	7	108.4	132.7	59.5	17	105.3	158.0	59.9	5	113.6	129.0	54.7	36	101.6	111.2	64.0
8	Dyna-Gro	9231	8	108.1	132.4	60.5	28	103.0	153.9	61.7	21	104.7	118.9	57.2	4	109.5	124.3	62.5
9	AgriMAXX	545	9	107.4	131.4	61.3	3	109.5	172.5	67.1	17	106.9	121.4	55.4	82	95.2	100.5	61.5
10	MAS	MAS #155	10	107.1	131.2	61.9	4	109.5	172.0	66.5	20	104.8	119.0	56.8	76	95.8	102.5	62.3
11	AgriMAXX	505	11	106.5	130.4	62.9	16	105.4	158.4	65.7	48	100.5	114.1	58.1	12	106.4	118.7	64.8
12	USG	3661	12	106.4	130.2	61.5	12	106.4	161.2	63.9	27	103.7	117.7	57.6	33	102.1	111.8	62.8
13	Growmark Inc	FS 747	13	106.3	130.2	59.0	66	97.8	141.3	58.1	9	112.3	127.4	55.9	6	108.9	121.9	62.9
14	Croplan	CPX93934	14	106.1	129.9	59.0	20	104.9	157.3	61.7	4	114.1	129.5	55.0	73	96.8	102.9	60.4
15	USG	3472	15	105.8	129.6	59.9	18	105.3	158.0	61.8	25	103.8	117.8	56.0	27	103.1	113.0	62.1
16	USG	3354	16	105.4	129.1	58.7	47	100.2	146.9	60.2	3	115.7	131.4	55.8	44	101.0	109.0	59.9
17	KWS Cereals	KWS529	17	105.3	129.0	57.9	41	101.1	148.4	59.5	6	112.5	127.7	55.1	37	101.5	110.8	58.9
18	Helena Agri	AgrPro GP 543	18	105.3	128.9	59.1	56	99.2	144.4	60.6	2	116.4	132.1	55.5	39	101.4	110.4	61.2
19	Southern Harvest	SH 5123	19	105.1	128.7	58.6	40	101.3	148.4	64.8	18	106.8	121.2	56.7	16	105.4	116.4	54.5
20	UMD	MDW148	20	104.9	128.4	60.7	7	108.4	164.3	62.7	73	94.6	107.4	57.0	26	103.7	113.6	62.4
21	MAS	MAS #178	21	104.4	127.8	57.7	1	110.5	176.7	58.1	66	97.2	110.4	55.6	91	92.3	96.3	59.5
22	Virginia Tech	VA19W-29	22	104.3	127.7	62.4	30	102.5	152.7	65.8	46	100.9	114.5	56.9	17	105.3	116.0	64.7
23	Helena Agri	MBX EXP 360	23	104.2	127.6	60.6	55	99.3	144.9	65.4	1	116.5	132.2	55.6	56	99.2	105.8	60.8
24	Croplan	CPX93284	24	104.2	127.5	62.3	36	101.6	150.0	63.8	30	103.1	117.1	57.0	19	105.1	115.5	66.0
25	UMD	MDW_447-4	25	104.1	127.4	60.7	88	94.5	132.6	60.2	19	106.2	120.5	57.3	1	110.5	128.3	62.6
26	MAS	MAS #225	26	103.7	126.9	59.7	10	107.1	163.7	60.5	76	94.0	106.7	56.2	38	101.4	110.5	62.2
27	EPIX SEED	EPIX 4380	27	103.1	126.2	61.1	50	99.8	145.8	61.3	51	100.1	113.7	56.4	9	107.4	119.3	65.5
28	UMD	FHB-MAS08-11-3	28	103.0	126.1	60.3	11	106.5	163.5	61.7	99	84.4	95.8	56.6	10	107.1	119.0	62.7
29	Dyna-Gro	9290	29	102.6	125.6	61.0	15	105.8	159.1	64.8	67	97.2	110.3	56.8	53	99.5	107.3	61.4
30	VCIA	VT Pitman	30	102.5	125.4	61.8	67	97.6	141.2	64.9	31	102.9	116.8	57.3	13	106.3	118.4	63.3
31	EPIX SEED	EPIX 3389	31	102.4	125.4	62.9	39	101.4	148.9	68.0	16	108.3	122.9	57.6	67	97.6	104.2	63.0
32	Dyna-Gro	9422	32	102.2	125.2	59.9	21	104.4	157.3	60.8	33	102.5	116.4	57.2	77	95.7	101.9	61.9
33	UMD	MDW_1-9-40	33	102.1	125.0	62.5	29	102.6	152.9	71.4	78	93.8	106.4	57.1	11	106.5	118.8	60.2
34	KWS Cereals	KWS527	34	102.0	124.8	59.1	53	99.5	145.1	58.6	69	95.7	108.6	56.6	7	108.4	120.9	62.0
35	Southern Harvest	SH 4222	35	101.9	124.8	61.7	71	97.2	140.5	64.9	8	112.3	127.4	57.7	51	99.6	107.4	61.2
36	MAS	MAS #86	36	101.6	124.5	61.1	60	98.5	142.9	65.0	53	99.6	113.1	55.6	14	106.1	117.4	62.6
37	KWS Cereals	KWS500	37	101.5	124.3	58.7	34	102.0	151.7	58.0	15	108.4	123.1	56.4	87	94.5	98.1	61.7
38	AgriMAXX	525	38	101.4	124.2	59.8	31	102.4	152.1	61.0	12	110.2	125.0	56.1	94	91.8	95.4	62.3
39	UMD	MDW_1-9-37	39	101.4	124.1	58.6	19	105.1	157.7	58.4	49	100.4	114.0	55.9	45	100.4	108.5	60.4
40	UMD	FHB-MAS03-29-2	40	101.3	124.0	59.5	22	104.3	155.9	57.9	50	100.4	113.9	56.9	85	94.6	98.8	62.9
41	USG	3673	41	101.1	123.8	58.2	72	96.9	140.2	60.0	45	100.9	114.5	57.2	15	105.8	116.6	57.5
42	AgriMAXX	544	42	101.0	123.7	60.2	37	101.5	149.7	61.9	35	102.3	116.2	55.8	62	98.4	105.1	62.8
43	EPIX SEED	EPIX XP 980	43	101.0	123.6	61.5	45	100.4	147.0	64.3	58	98.5	111.8	56.5	31	102.4	112.2	63.7
44	MAS	MAS #139	44	101.0	123.6	58.8	68	97.5	141.2	61.9	13	109.7	124.5	56.3	61	98.5	105.2	58.2
45	AgriMAXX	EXP 2404	45	100.4	122.9	61.0	38	101.4	149.5	63.3	41	101.2	114.8	56.2	66	97.8	104.3	63.3
46	Dyna-Gro	9553	46	100.3	122.8	60.2	42	101.0	148.1	60.1	42	101.1	114.7	56.2	59	98.8	105.4	64.3
47	AgriMAXX	516	47	100.2	122.7	60.6	54	99.3	144.9	62.9	39	101.5	115.2	55.7	23	104.2	115.2	63.8

S. No	Brand	Variety	Statewide Average				Wye				Beltsville				Poplar Hill			
			Rank	Yield (% mean)	Yield (bu/A)	Test Weight (lbs)	Rank	Yield (% mean)	Yield (bu/A)	Test Weight (lbs)	Rank	Yield (% mean)	Yield (bu/A)	Test Weight (lbs)	Rank	Yield (% mean)	Yield (bu/A)	Test Weight (lbs)
48	EPIX SEED	EPIX 1365	48	100.1	122.5	59.8	24	104.2	154.8	64.6	36	101.9	115.7	55.6	89	94.0	97.2	59.4
49	Virginia Tech	Phoenix 29	49	100.0	122.4	62.1	86	94.5	134.1	64.7	37	101.6	115.4	58.0	21	104.4	115.3	64.6
50	Dyna-Gro	9393	50	99.8	122.2	60.7	35	101.9	150.4	63.2	71	95.1	107.9	56.7	47	100.2	108.4	62.2
51	UMD	MDW-16-463-6	51	99.6	122.0	58.9	27	103.1	154.2	62.4	55	99.4	112.9	55.1	72	96.9	103.5	61.2
52	MAS	MAS #227	52	99.5	121.9	58.7	51	99.6	145.8	57.0	68	96.8	109.8	56.6	42	101.0	110.0	62.4
53	UMD	MDW_4-98-16	53	99.5	121.8	59.5	9	107.4	164.0	59.8	61	98.2	111.4	57.1	81	95.3	100.7	61.0
54	EPIX SEED	EPIX 1375	54	99.3	121.6	62.5	65	97.9	141.6	63.9	64	97.5	110.7	57.7	29	102.6	112.6	65.9
55	AgriMAXX	513	55	99.3	121.6	60.3	52	99.5	145.6	59.9	28	103.7	117.7	56.7	78	95.6	101.6	64.3
56	EPIX SEED	EPIX 4372	56	99.2	121.5	60.9	61	98.5	142.6	62.9	47	100.8	114.4	55.8	52	99.5	107.4	63.8
57	UMD	MDW-555-4	57	99.1	121.3	56.4	57	99.1	143.8	58.7	75	94.1	106.9	55.1	48	100.1	108.4	55.0
58	Helena Agri	MBX 230	58	99.1	121.3	59.9	82	95.2	135.9	59.9	24	103.8	117.8	56.8	41	101.1	110.2	62.8
59	Dyna-Gro	9120	59	98.8	121.0	62.4	95	91.0	129.5	63.3	22	104.2	118.2	57.9	22	104.3	115.3	66.1
60	Helena Agri	MBX EXP 387	60	98.5	120.6	61.5	62	98.4	142.6	62.5	29	103.7	117.7	56.6	79	95.4	101.5	65.4
61	KWS Cereals	KWS490	61	98.5	120.6	61.3	99	90.1	123.5	63.4	54	99.6	113.1	56.7	3	109.5	125.2	63.7
62	Virginia Tech	VA19FHB-36	62	98.4	120.5	61.9	80	95.3	136.9	63.8	57	99.1	112.4	57.2	32	102.2	112.1	64.7
63	UMD	MDW_195-5	63	98.1	120.1	60.9	76	95.8	138.5	61.0	74	94.4	107.2	57.7	40	101.3	110.3	63.0
64	Dyna-Gro	9151	64	98.1	120.1	62.4	91	92.3	131.2	63.5	23	103.9	117.9	58.1	35	101.9	111.2	65.5
65	USG	3884	65	97.9	119.9	58.5	44	101.0	147.6	58.7	88	91.4	103.8	56.2	49	100.0	108.3	60.6
66	Growmark Inc	FS 745	66	97.8	119.7	61.1	46	100.3	146.9	63.3	92	90.6	102.8	55.7	28	103.0	112.9	60.2
67	UMD	FHB-MAS08-31-1	67	97.6	119.5	58.7	63	98.1	142.6	58.6	72	94.9	107.7	55.2	65	97.9	104.4	61.2
68	Helena Agri	MBX 176	68	97.5	119.4	59.4	26	103.7	154.4	62.1	91	90.6	102.9	54.5	97	90.5	91.8	62.7
69	Dyna-Gro	9172	69	97.5	119.3	59.6	85	94.6	134.2	61.4	44	101.0	114.6	55.8	43	101.0	109.1	61.5
70	UMD	MDW23-2	70	97.5	119.3	58.9	92	92.1	130.6	60.1	63	97.8	111.0	55.8	8	108.1	120.5	62.3
71	UMD	MDW_1-9-8	71	97.2	119.1	57.1	32	102.2	151.9	54.8	32	102.8	116.7	56.5	100	89.3	88.6	59.9
72	USG	3329	72	96.9	118.7	59.6	70	97.5	140.7	62.3	59	98.4	111.7	56.7	70	97.5	103.6	59.7
73	EPIX SEED	EPIX 2356	73	96.8	118.6	60.8	78	95.6	138.2	61.1	82	92.5	105.0	56.7	30	102.5	112.5	64.5
74	Virginia Tech	15VTK-1-101	74	96.1	117.7	62.0	64	98.1	141.8	67.0	85	92.1	104.6	56.9	55	99.3	106.7	61.9
75	UMD	MDW_1-9-20	75	96.0	117.6	59.8	69	97.5	141.1	55.1	87	91.7	104.0	58.1	20	104.9	115.5	64.6
76	Southern Harvest	SH 7200	76	95.8	117.3	59.6	77	95.7	138.2	59.5	34	102.4	116.3	57.2	68	97.5	104.1	61.4
77	Growmark Inc	FS 743	77	95.7	117.2	61.0	59	98.8	143.1	64.0	80	93.3	105.8	57.1	75	96.0	102.7	61.9
78	MAS	MAS #228	78	95.6	117.0	61.2	90	93.5	132.2	64.9	52	100.0	113.5	56.8	58	99.1	105.4	62.0
79	KWS Cereals	KWS525	79	95.4	116.8	58.4	87	94.5	133.4	57.4	60	98.3	111.6	56.5	60	98.5	105.3	61.4
80	AgriMAXX	503	80	95.3	116.7	60.1	48	100.1	146.1	59.1	79	93.8	106.4	57.0	88	94.5	97.5	64.2
81	MAS	MAS #67	81	95.3	116.6	61.3	33	102.1	151.8	68.0	40	101.4	115.1	55.5	96	91.0	94.7	62.6
82	UMD	MDW_4-98-12	82	95.2	116.5	59.8	23	104.2	155.3	61.0	62	98.1	111.4	57.0	92	92.1	95.8	61.9
83	Revere	2169	83	95.1	116.4	61.0	81	95.3	136.1	62.8	65	97.3	110.4	56.2	74	96.1	102.8	64.2
84	Helena Agri	MBX 223	84	94.9	116.2	61.1	75	96.0	138.9	66.3	94	90.0	102.1	56.8	50	99.8	107.6	60.1
85	UMD	MDW_4-98-27	85	94.6	115.8	59.8	96	91.0	129.4	58.3	95	90.0	102.1	56.7	18	105.3	115.8	64.5
86	UMD	FHB-MAS02-09-3	86	94.5	115.7	60.8	14	106.1	159.7	62.1	89	91.3	103.7	57.2	86	94.5	98.4	63.4
87	MAS	MAS #189	87	94.5	115.7	62.3	83	95.1	135.1	64.1	70	95.5	108.4	57.8	71	97.2	103.5	65.0
88	UMD	MDW_447-3	88	94.5	115.7	61.6	79	95.4	137.0	63.5	96	89.5	101.6	58.8	46	100.3	108.4	62.6
89	UMD	FHB-MAS13-16-2	89	94.0	115.1	60.6	93	92.0	130.2	65.5	83	92.5	105.0	57.3	†	†	†	†
90	Revere	2277	90	93.5	114.5	61.8	89	94.0	132.4	64.2	38	101.6	115.3	56.9	93	92.0	95.7	64.3
91	UMD	FHB-MAS13-16-4	91	92.3	113.1	59.3	49	100.0	146.1	62.7	86	91.8	104.2	56.8	83	95.1	100.0	59.4
92	MAS	MAS #316	92	92.1	112.8	61.7	43	101.0	147.8	67.1	97	87.4	99.2	56.6	98	90.3	91.4	61.5
93	Helena Agri	MBX 127	93	92.0	112.6	61.0	98	90.3	125.9	62.1	81	93.0	105.6	56.4	69	97.5	104.0	62.9
94	Dyna-Gro	9593	94	91.8	112.4	57.9	73	96.8	139.6	60.2	77	93.9	106.6	55.8	99	90.1	91.0	57.8
95	Croplan	CPX93117	95	91.0	111.4	56.1	58	99.1	143.3	53.1	98	86.9	98.6	56.0	63	98.1	105.1	59.3
96	UMD	MDW17	96	91.0	111.4	58.9	94	91.8	129.9	60.9	101	78.6	89.2	55.6	57	99.1	105.8	59.3

S. No	Brand	Variety	Statewide Average				Wye				Beltsville				Poplar Hill			
			Rank	Yield (% mean)	Yield (bu/A)	Test Weight (lbs)	Rank	Yield (% mean)	Yield (bu/A)	Test Weight (lbs)	Rank	Yield (% mean)	Yield (bu/A)	Test Weight (lbs)	Rank	Yield (% mean)	Yield (bu/A)	Test Weight (lbs)
97	Southern Harvest	SH 9520	97	90.5	110.8	62.1	84	94.9	134.9	66.2	93	90.3	102.5	56.7	95	91.0	95.0	63.2
98	MAS	MAS #2	98	90.3	110.5	64.4	100	89.3	121.8	68.3	84	92.4	104.9	58.3	64	98.1	104.8	66.6
99	Dyna-Gro	9570	99	90.1	110.3	59.2	101	88.3	118.8	61.5	56	99.3	112.7	54.9	84	94.9	99.3	61.2
100	MAS	MAS #133	100	89.3	109.4	57.7	97	90.5	128.1	59.3	90	90.7	102.9	54.2	80	95.3	101.1	58.9
101	GroPro	GP 305	101	88.3	108.1	59.5	74	96.1	139.3	62.6	100	82.5	93.7	54.3	90	93.5	96.9	61.0
			Mean		122.4	60.4			146.4	62.4			113.5	56.5			107.9	62.3
			CV (%)		18.9	6.8			13.3	7.1			10.4	1.7			11.3	4.0
			LSD ($\alpha=0.05$)		37.0	6.6			31.4	7.1			18.9	1.5			19.6	4.0

† = Missing Entry from Poplar Hill

Bold values indicate no significant difference from top ranked entry at a given trial location

All the yield data and test weights are reported at the 13.5% grain moisture content

Team

Post Docs

Dr. Parva Sharma
 Dr. Seyedali Hosseinirad
 Dr. Adam Schoen
 Dr. Vijay Tiwari
 Dr. Nidhi Rawat

Graduate Students

Ms. Anmol Kajla
 Mrs. Janelle Livesay
 Mrs. Arielis Morales-Salva
 Mr. Bhavit Chhabra
 Mr. Carl Paulson
 Mr. Ian Moot
 Mr. Sydney Wallace

Undergraduate Students

Ms. Victoria Cheng
 Ms. Emma Price
 Ms. Olivia Virginia Henshaw-Black
 Ms. Sabrina Purtee
 Mr. Ryan Frist
 Mr. Eddie Haag
 Mr. Carter Kelly

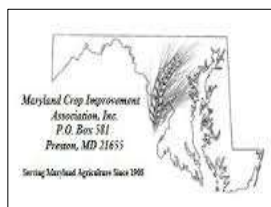
Technicians

Mr. Caleb Horseman
 Mr. Michael Drechsler
 Mr. Louis Thorne
 Ms Shana Burke



More information can be found at:

<https://psla.umd.edu/extension/md-crops/small-grains-maryland>



2023- 2024 MARYLAND STATEWIDE WHEAT YIELD TRIAL RESULTS FROM THREE DIFFERENT TRIAL LOCATIONS

S. No	Wye						Beltsville						Poplar Hill					
	Brand	Variety	Rank	Yield (% mean)	Yield (bu/A)	Test Weight (lbs)	Brand	Variety	Rank	Yield (% mean)	Yield (bu/A)	Test Weight (lbs)	Brand	Variety	Rank	Yield (% mean)	Yield (bu/A)	Test Weight (lbs)
1	MAS	MAS #178	1	110.5	176.7	58.1	Helena Agri	MBX EXP 360	1	116.5	132.2	55.6	UMD	MDW_447-4	1	110.5	128.3	62.6
2	MAS	MAS #190	2	110.5	173.9	65.9	Helena Agri	AgrPro GP 543	2	116.4	132.1	55.5	Virginia Tech	17VTK4-29	2	110.5	128.2	61.5
3	AgriMAXX	545	3	109.5	172.5	67.1	USG	3354	3	115.7	131.4	55.8	KWS Cereals	KWS490	3	109.5	125.2	63.7
4	MAS	MAS #155	4	109.5	172.0	66.5	Croplan	CPX93934	4	114.1	129.5	55.0	Dyna-Gro	9231	4	109.5	124.3	62.5
5	Revere	2347	5	109.0	165.5	63.1	Dyna-Gro	9533	5	113.6	129.0	54.7	MAS	MAS #106	5	109.0	122.6	64.9
6	MAS	MAS #106	6	108.9	164.9	63.8	KWS Cereals	KWS529	6	112.5	127.7	55.1	Growmark Inc	FS 747	6	108.9	121.9	62.9
7	UMD	MDW148	7	108.4	164.3	62.7	USG	3352	7	112.5	127.7	56.8	KWS Cereals	KWS527	7	108.4	120.9	62.0
8	USG	3363	8	108.1	164.2	66.5	Southern Harvest	SH 4222	8	112.3	127.4	57.7	UMD	MDW23-2	8	108.1	120.5	62.3
9	UMD	MDW_4-98-16	9	107.4	164.0	59.8	Growmark Inc	FS 747	9	112.3	127.4	55.9	EPIX SEED	EPIX 4380	9	107.4	119.3	65.5
10	MAS	MAS #225	10	107.1	163.7	60.5	Revere	2347	10	111.2	126.2	57.6	UMD	FHB-MAS08-11-3	10	107.1	119.0	62.7
11	UMD	FHB-MAS08-11-3	11	106.5	163.5	61.7	MAS	MAS #190	11	110.3	125.2	57.1	UMD	MDW_1-9-40	11	106.5	118.8	60.2
12	USG	3661	12	106.4	161.2	63.9	AgriMAXX	525	12	110.2	125.0	56.1	AgriMAXX	505	12	106.4	118.7	64.8
13	USG	3352	13	106.3	160.7	68.0	MAS	MAS #139	13	109.7	124.5	56.3	VCIA	VT Pitman	13	106.3	118.4	63.3
14	UMD	FHB-MAS02-09-3	14	106.1	159.7	62.1	USG	3363	14	108.9	123.7	57.5	MAS	MAS #86	14	106.1	117.4	62.6
15	Dyna-Gro	9290	15	105.8	159.1	64.8	KWS Cereals	KWS500	15	108.4	123.1	56.4	USG	3673	15	105.8	116.6	57.5
16	AgriMAXX	505	16	105.4	158.4	65.7	EPIX SEED	EPIX 3389	16	108.3	122.9	57.6	Southern Harvest	SH 5123	16	105.4	116.4	54.5
17	Dyna-Gro	9533	17	105.3	158.0	59.9	AgriMAXX	545	17	106.9	121.4	55.4	Virginia Tech	VA19W-29	17	105.3	116.0	64.7
18	USG	3472	18	105.3	158.0	61.8	Southern Harvest	SH 5123	18	106.8	121.2	56.7	UMD	MDW_4-98-27	18	105.3	115.8	64.5
19	UMD	MDW_1-9-37	19	105.1	157.7	58.4	UMD	MDW_447-4	19	106.2	120.5	57.3	Croplan	CPX93284	19	105.1	115.5	66.0
20	Croplan	CPX93934	20	104.9	157.3	61.7	MAS	MAS #155	20	104.8	119.0	56.8	UMD	MDW_1-9-20	20	104.9	115.5	64.6
21	Dyna-Gro	9422	21	104.4	157.3	60.8	Dyna-Gro	9231	21	104.7	118.9	57.2	Virginia Tech	Phoenix 29	21	104.4	115.3	64.6
22	UMD	FHB-MAS03-29-2	22	104.3	155.9	57.9	Dyna-Gro	9120	22	104.2	118.2	57.9	Dyna-Gro	9120.0	22	104.3	115.3	66.1
23	UMD	MDW_4-98-12	23	104.2	155.3	61.0	Dyna-Gro	9151	23	103.9	117.9	58.1	AgriMAXX	516	23	104.2	115.2	63.8
24	EPIX SEED	EPIX 1365	24	104.2	154.8	64.6	Helena Agri	MBX 230	24	103.8	117.8	56.8	USG	3363	24	104.2	114.2	62.9
25	Virginia Tech	17VTK4-29	25	104.1	154.5	63.8	USG	3472	25	103.8	117.8	56.0	Revere	2347	25	104.1	114.0	63.0
26	Helena Agri	MBX 176	26	103.7	154.4	62.1	Virginia Tech	17VTK4-29	26	103.7	117.7	56.8	UMD	MDW148	26	103.7	113.6	62.4
27	UMD	MDW-16-463-6	27	103.1	154.2	62.4	USG	3661	27	103.7	117.7	57.6	USG	3472	27	103.1	113.0	62.1
28	Dyna-Gro	9231	28	103.0	153.9	61.7	AgriMAXX	513	28	103.7	117.7	56.7	Growmark Inc	FS 745	28	103.0	112.9	63.2
29	UMD	MDW_1-9-40	29	102.6	152.9	71.4	Helena Agri	MBX EXP 387	29	103.7	117.7	56.6	EPIX SEED	EPIX 1375	29	102.6	112.6	65.9
30	Virginia Tech	VA19W-29	30	102.5	152.7	65.8	Croplan	CPX93284	30	103.1	117.1	57.0	EPIX SEED	EPIX 2356	30	102.5	112.5	64.5
31	AgriMAXX	525	31	102.4	152.1	61.0	VCIA	VT Pitman	31	102.9	116.8	57.3	EPIX SEED	EPIX XP 980	31	102.4	112.2	63.7
32	UMD	MDW_1-9-8	32	102.2	151.9	54.8	UMD	MDW_1-9-8	32	102.8	116.7	56.5	Virginia Tech	VA19FHB-36	32	102.2	112.1	64.7
33	MAS	MAS #67	33	102.1	151.8	68.0	Dyna-Gro	9422	33	102.5	116.4	57.2	USG	3661	33	102.1	111.8	62.8
34	KWS Cereals	KWS500	34	102.0	151.7	58.0	Southern Harvest	SH 7200	34	102.4	116.3	57.2	USG	3352	34	102.0	111.7	63.1
35	Dyna-Gro	9393	35	101.9	150.4	63.2	AgriMAXX	544	35	102.3	116.2	55.8	Dyna-Gro	9151	35	101.9	111.2	65.5
36	Croplan	CPX93284	36	101.6	150.0	63.8	EPIX SEED	EPIX 1365	36	101.9	115.7	55.6	Dyna-Gro	9533	36	101.6	111.2	64.0
37	AgriMAXX	544	37	101.5	149.7	61.9	Virginia Tech	Phoenix 29	37	101.6	115.4	58.0	KWS Cereals	KWS529	37	101.5	110.8	58.9
38	AgriMAXX	EXP 2404	38	101.4	149.5	63.3	Revere	2277	38	101.6	115.3	56.9	MAS	MAS #225	38	101.4	110.5	62.2
39	EPIX SEED	EPIX 3389	39	101.4	148.9	68.0	AgriMAXX	516	39	101.5	115.2	55.7	Helena Agri	AgrPro GP 543	39	101.4	110.4	61.2
40	Southern Harvest	SH 5123	40	101.3	148.4	64.8	MAS	MAS #67	40	101.4	115.1	55.5	UMD	MDW_195-5	40	101.3	110.3	63.0
41	KWS Cereals	KWS529	41	101.1	148.4	59.5	AgriMAXX	EXP 2404	41	101.2	114.8	56.2	Helena Agri	MBX 230	41	101.1	110.2	62.8
42	Dyna-Gro	9553	42	101.0	148.1	60.1	Dyna-Gro	9553.0	42	101.1	114.7	56.2	MAS	MAS #227	42	101.0	110.0	62.4
43	MAS	MAS #316	43	101.0	147.8	67.1	MAS	MAS #106	43	101.1	114.7	56.4	Dyna-Gro	9172	43	101.0	109.1	61.5
44	USG	3884.0	44	101.0	147.6	58.7	Dyna-Gro	9172	44	101.0	114.6	55.8	USG	3354	44	101.0	109.0	59.9
45	EPIX SEED	EPIX XP 980	45	100.4	147.0	64.3	USG	3673	45	100.9	114.5	57.2	UMD	MDW_1-9-37	45	100.4	108.5	60.4
46	Growmark Inc	FS 745	46	100.3	146.9	63.3	Virginia Tech	VA19W-29	46	100.9	114.5	56.9	UMD	MDW_447-3	46	100.3	108.4	62.6
47	USG	3354.0	47	100.2	146.9	60.2	EPIX SEED	EPIX 4372	47	100.8	114.4	55.8	Dyna-Gro	9393	47	100.2	108.4	62.2
48	AgriMAXX	503	48	100.1	146.1	59.1	AgriMAXX	505	48	100.5	114.1	58.1	UMD	MDW-555-4	48	100.1	108.4	55.0
49	UMD	FHB-MAS13-16-4	49	100.0	146.1	62.7	UMD	MDW_1-9-37	49	100.4	114.0	55.9	USG	3884	49	100.0	108.3	60.6
50	EPIX SEED	EPIX 4380	50	99.8	145.8	61.3	UMD	FHB-MAS03-29-2	50	100.4	113.9	56.9	Helena Agri	MBX 223	50	99.8	107.6	60.1
51	MAS	MAS #227	51	99.6	145.8	57.0	EPIX SEED	EPIX 4380	51	100.1	113.7	56.4	Southern Harvest	SH 4222	51	99.6	107.4	61.2
52	AgriMAXX	513	52	99.5	145.6	59.9	MAS	MAS #228	52	100.0	113.5	56.8	EPIX SEED	EPIX 4372	52	99.5	107.4	63.8
53	KWS Cereals	KWS527	53	99.5	145.1	58.6	MAS	MAS #86	53	99.6	113.1	55.6	Dyna-Gro	9290	53	99.5	107.3	61.4
54	AgriMAXX	516	54	99.3	144.9	62.9	KWS Cereals	KWS490	54	99.6	113.1	56.7	MAS	MAS #190	54	99.3	106.7	63.3
55	Helena Agri	MBX EXP 360	55	99.3	144.9	65.4	UMD	MDW-16-463-6	55	99.4	112.9	55.1	Virginia Tech	15VTK-1-101	55	99.3	107.7	61.9
56	Helena Agri	AgrPro GP 543	56	99.2	144.4	60.6	Dyna-Gro	9570	56	99.3	112.7	54.9	Helena Agri	MBX EXP 360	56	99.2	105.8	60.8
57	UMD	MDW-555-4	57	99.1	143.8	58.7	Virginia Tech	VA19FHB-36	57	99.1	112.4	57.2	UMD	MDW17	57	99.1	105.8	59.3
58	Croplan	CPX93117	58	99.1	143.3	53.1	EPIX SEED	EPIX XP 980	58	98.5	111.8	56.5	MAS	MAS #228	58	99.1	105.4	62.0
59	Growmark Inc	FS 743	59	98.8	143.1	64.0	USG	3329	59	98.4	111.7	56.7	Dyna-Gro	9553	59	98.8	105.4	64.3
60	MAS	MAS #86	60	98.5	142.9	65.0	KWS Cereals	KWS525	60	98.3	111.6	56.5	KWS Cereals	KWS525	60	98.5	105.3	61.4

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

Brand	Variety	Rank	Yield (% mean)	Yield (bu/A)	Test Weight (lbs)	Heading Date (Julian)	Plant Height (in)	Lodging (0-9)	FHB Visual Score (0-9)	BYDV (0-9)	Powdery Mildew (0-9)	Leaf Rust (0-9)	Stripe Rust (0-9)
Revere	2347	1	110.5	135.3	61.2	125	37.3	2	4	1	0	5	0
MAS	MAS #190	2	110.5	135.2	62.1	125	32.2	0	2	0	1	3	0
MAS	MAS #106	3	109.5	134.1	61.7	121	33.9	2	6	0	6	2	0
USG	3363	4	109.5	134.0	62.3	124	39.0	1	3	0	0	5	0
Virginia Tech	17VTK4-29	5	109.0	133.5	60.7	122	32.2	2	5	1	0	1	0
USG	3352	6	108.9	133.4	62.6	125	37.3	3	6	0	0	3	0
Dyna-Gro	9533	7	108.4	132.7	59.5	125	28.8	0	1	0	0	4	1
Dyna-Gro	9231	8	108.1	132.4	60.5	124	37.3	0	1	1	1	3	0
AgriMAXX	545	9	107.4	131.4	61.3	125	33.9	2	4	1	1	7	0
MAS	MAS #155	10	107.1	131.2	61.9	123	35.6	1	5	0	0	6	0
AgriMAXX	505	11	106.5	130.4	62.9	124	33.9	0	3	1	0	5	0
USG	3661	12	106.4	130.2	61.5	124	32.2	3	4	1	1	1	0
Growmark Inc	FS 747	13	106.3	130.2	59.0	123	35.6	0	4	1	1	0	0
Croplan	CPX93934	14	106.1	129.9	59.0	125	33.9	0	5	0	0	4	0
USG	3472	15	105.8	129.6	59.9	125	33.9	0	3	0	2	4	0
USG	3354	16	105.4	129.1	58.7	123	33.9	2	3	0	0	1	0
KWS Cereals	KWS529	17	105.3	129.0	57.9	123	33.9	0	1	1	1	1	0
Helena Agri	AgrPro GP 543	18	105.3	128.9	59.1	122	33.9	0	6	0	0	0	0
Southern Harves	SH 5123	19	105.1	128.7	58.6	124	33.9	0	3	0	1	0	0
UMD	MDW148	20	104.9	128.4	60.7	124	37.3	0	3	1	0	0	0
MAS	MAS #178	21	104.4	127.8	57.7	125	35.6	1	4	0	1	1	0
Virginia Tech	VA19W-29	22	104.3	127.7	62.4	122	35.6	2	7	1	1	5	0
Helena Agri	MBX EXP 360	23	104.2	127.6	60.6	125	33.9	0	3	1	0	5	0
Croplan	CPX93284	24	104.2	127.5	62.3	125	33.9	0	5	1	0	3	0
UMD	MDW_447-4	25	104.1	127.4	60.7	125	37.3	0	2	1	1	0	0
MAS	MAS #225	26	103.7	126.9	59.7	126	33.9	2	4	2	0	3	0
EPIX SEED	EPIX 4380	27	103.1	126.2	61.1	126	33.9	1	4	2	1	0	0
UMD	FHB-MAS08-11-3	28	103.0	126.1	60.3	123	32.2	0	3	1	1	0	0
Dyna-Gro	9290	29	102.6	125.6	61.0	123	35.6	0	5	1	1	0	0
VCIA	VT Pitman	30	102.5	125.4	61.8	123	30.5	3	6	1	0	0	0

Brand	Variety	Rank	Yield (% mean)	Yield (bu/A)	Test Weight (lbs)	Heading Date (Julian)	Plant Height (in)	Lodging (0-9)	FHB Visual Score (0-9)	BYDV (0-9)	Powdery Mildew (0-9)	Leaf Rust (0-9)	Stripe Rust (0-9)
EPIX SEED	EPIX 3389	31	102.4	125.4	62.9	124	30.5	0	5	1	2	1	0
Dyna-Gro	9422	32	102.2	125.2	59.9	123	37.3	0	2	1	0	4	1
UMD	MDW_1-9-40	33	102.1	125.0	62.5	123	32.2	2	5	1	1	0	0
KWS Cereals	KWS527	34	102.0	124.8	59.1	126	33.9	0	3	2	0	2	0
Southern Harves	SH 4222	35	101.9	124.8	61.7	124	35.6	2	3	1	0	3	0
MAS	MAS #86	36	101.6	124.5	61.1	123	33.9	2	4	0	1	3	0
KWS Cereals	KWS500	37	101.5	124.3	58.7	124	32.2	0	3	1	0	2	0
AgriMAXX	525	38	101.4	124.2	59.8	127	33.9	2	2	2	2	1	0
UMD	MDW_1-9-37	39	101.4	124.1	58.6	123	33.9	2	3	1	1	0	0
UMD	FHB-MAS03-29-2	40	101.3	124.0	59.5	123	33.9	1	1	0	0	0	0
USG	3673	41	101.1	123.8	58.2	124	32.2	1	2	0	2	0	0
AgriMAXX	544	42	101.0	123.7	60.2	122	35.6	0	4	1	1	1	0
EPIX SEED	EPIX XP 980	43	101.0	123.6	61.5	125	33.9	0	3	0	0	5	0
MAS	MAS #139	44	101.0	123.6	58.8	123	33.9	0	4	1	1	8	0
AgriMAXX	EXP 2404	45	100.4	122.9	61.0	126	33.9	0	4	3	0	1	0
Dyna-Gro	9553	46	100.3	122.8	60.2	126	33.9	0	3	2	1	1	0
AgriMAXX	516	47	100.2	122.7	60.6	124	35.6	0	4	1	1	5	0
EPIX SEED	EPIX 1365	48	100.1	122.5	59.8	123	30.5	0	4	3	1	0	0
Virginia Tech	Phoenix 29	49	100.0	122.4	62.1	125	30.5	3	6	0	0	0	0
Dyna-Gro	9393	50	99.8	122.2	60.7	124	33.9	0	4	1	2	0	0
UMD	MDW-16-463-6	51	99.6	122.0	58.9	125	35.6	2	4	2	0	0	0
MAS	MAS #227	52	99.5	121.9	58.7	125	32.2	0	4	1	0	2	0
UMD	MDW_4-98-16	53	99.5	121.8	59.5	124	30.5	0	4	1	5	0	3
EPIX SEED	EPIX 1375	54	99.3	121.6	62.5	121	33.9	2	4	1	0	0	0
AgriMAXX	513	55	99.3	121.6	60.3	124	32.2	3	4	1	0	5	0
EPIX SEED	EPIX 4372	56	99.2	121.5	60.9	124	33.9	1	4	1	1	4	0
UMD	MDW-555-4	57	99.1	121.3	56.4	124	33.9	3	7	2	0	0	0
Helena Agri	MBX 230	58	99.1	121.3	59.9	124	35.6	0	1	1	0	5	0
Dyna-Gro	9120	59	98.8	121.0	62.4	124	32.2	0	4	1	1	1	0
Helena Agri	MBX EXP 387	60	98.5	120.6	61.5	124	33.9	2	0	0	0	1	0
KWS Cereals	KWS490	61	98.5	120.6	61.3	125	32.2	2	4	1	6	0	0
Virginia Tech	VA19FHB-36	62	98.4	120.5	61.9	123	37.3	0	3	0	1	0	0
UMD	MDW_195-5	63	98.1	120.1	60.9	124	32.2	0	4	1	0	0	0

Brand	Variety	Rank	Yield (% mean)	Yield (bu/A)	Test Weight (lbs)	Heading Date (Julian)	Plant Height (in)	Lodging (0-9)	FHB Visual Score (0-9)	BYDV (0-9)	Powdery Mildew (0-9)	Leaf Rust (0-9)	Stripe Rust (0-9)
Dyna-Gro	9151	64	98.1	120.1	62.4	124	35.6	0	4	1	0	5	0
USG	3884	65	97.9	119.9	58.5	124	33.9	0	4	2	3	2	0
Growmark Inc	FS 745	66	97.8	119.7	61.1	124	33.9	0	4	3	4	4	0
UMD	FHB-MAS08-31-1	67	97.6	119.5	58.7	122	30.5	0	5	0	0	0	0
Helena Agri	MBX 176	68	97.5	119.4	59.4	125	35.6	1	4	3	0	2	0
Dyna-Gro	9172	69	97.5	119.3	59.6	124	33.9	0	3	0	2	3	0
UMD	MDW23-2	70	97.5	119.3	58.9	124	33.9	1	5	1	0	0	0
UMD	MDW_1-9-8	71	97.2	119.1	57.1	127	35.6	2	2	3	1	0	0
USG	3329	72	96.9	118.7	59.6	125	33.9	2	5	1	1	4	0
EPIX SEED	EPIX 2356	73	96.8	118.6	60.8	124	33.9	0	4	1	1	2	0
Virginia Tech	15VTK-1-101	74	96.1	117.7	62.0	124	28.8	0	5	0	0	0	0
UMD	MDW_1-9-20	75	96.0	117.6	59.8	123	32.2	0	5	1	0	0	0
Southern Harves	SH 7200	76	95.8	117.3	59.6	120	33.9	4	6	1	1	0	0
Growmark Inc	FS 743	77	95.7	117.2	61.0	124	35.6	0	5	2	0	4	0
MAS	MAS #228	78	95.6	117.0	61.2	125	37.3	0	6	1	1	3	0
KWS Cereals	KWS525	79	95.4	116.8	58.4	125	28.8	0	3	4	0	4	0
AgriMAXX	503.0	80	95.3	116.7	60.1	125	35.6	0	3	1	2	2	0
MAS	MAS #67	81	95.3	116.6	61.3	123	32.2	0	2	2	1	1	0
UMD	MDW_4-98-12	82	95.2	116.5	59.8	123	30.5	0	4	1	1	0	0
Revere	2169.0	83	95.1	116.4	61.0	125	32.2	0	3	0	0	2	0
Helena Agri	MBX 223	84	94.9	116.2	61.1	124	32.2	0	4	2	0	3	0
UMD	MDW_4-98-27	85	94.6	115.8	59.8	124	35.6	0	4	0	2	0	0
UMD	FHB-MAS02-09-3	86	94.5	115.7	60.8	122	28.8	0	6	1	1	0	0
MAS	MAS #189	87	94.5	115.7	62.3	122	37.3	2	5	0	5	5	0
UMD	MDW_447-3	88	94.5	115.7	61.6	125	33.9	1	2	1	1	0	1
UMD	FHB-MAS13-16-2	89	94.0	115.1	60.6	123	33.9	0	3	2	0	0	0
Revere	2277.0	90	93.5	114.5	61.8	125	33.9	1	3	0	0	1	0
UMD	FHB-MAS13-16-4	91	92.3	113.1	59.3	123	35.6	0	5	2	0	0	0
MAS	MAS #316	92	92.1	112.8	61.7	126	35.6	0	1	3	1	1	0
Helena Agri	MBX 127	93	92.0	112.6	61.0	124	32.2	0	4	1	1	4	0
Dyna-Gro	9593.0	94	91.8	112.4	57.9	126	32.2	0	5	4	2	1	0
Croplan	CPX93117	95	91.0	111.4	56.1	122	33.9	2	4	1	0	0	0
UMD	MDW17	96	91.0	111.4	58.9	123	33.9	2	3	3	0	0	0

Brand	Variety	Rank	Yield (% mean)	Yield (bu/A)	Test Weight (lbs)	Heading Date (Julian)	Plant Height (in)	Lodging (0-9)	FHB Visual Score (0-9)	BYDV (0-9)	Powdery Mildew (0-9)	Leaf Rust (0-9)	Stripe Rust (0-9)
Southern Harvest	SH 9520	97	90.5	110.8	62.1	125	32.2	0	2	1	0	2	0
MAS	MAS #2	98	90.3	110.5	64.4	125	37.3	3	4	0	4	1	0
Dyna-Gro	9570.0	99	90.1	110.3	59.2	123	33.9	0	1	1	2	0	0
MAS	MAS #133	100	89.3	109.4	57.7	125	35.6	0	6	2	1	2	0
GroPro	GP 305	101	88.3	108.1	59.5	123	32.2	0	6	4	0	2	0
Mean			122.4		60.4	124.0	33.9						
CV (%)			18.9		6.8	1.0	6.2						
LSD ($\alpha=0.05$)			37.0		6.6	-	-						

***Notes 1. Heights and Heading Dates are Averaged from Wye and Beltsville Locations
2. Disease scores were recorded on 0-9 scale based on visual ratings, '0' = no disease or low severity and '9' = high disease severity.

Comparative analysis of commercial winter wheat cultivars tested under MD small grain trials for last three years (2021/2022 to 2023/2024)

#	Brand	Variety	Three year average of commerical cultivars*				2023/2024 Statewide Average MD Trial				2022/2023 Statewide Average MD Trial				2021/2022 Statewide Average MD Trial			
			Rank	Yield % mean)	Yield (bu/A)	Test Weight (lbs)	Rank 2024	Yield (% mean)	Yield (bu/A)	Test Weight (lbs)	Rank 2023	Yield (% mean)	Yield (bu/A)	Test Weight (lbs)	Rank 2022	Yield (% mean)	Yield (bu/A)	Test Weight (lbs)
1	USG	3352	1	108.0	135.0	60.7	6	108.9	133.4	62.6	14	104.8	152.6	62.3	1	113.1	119.2	57.1
2	MAS	MAS #155	2	106.5	133.1	59.1	10	107.1	131.2	61.9	4	107.0	155.7	61.9	11	106.6	112.4	53.4
3	USG	3363	3	106.2	132.8	59.6	4	109.5	134.0	62.3	13	104.9	152.6	62.4	17	105.9	111.6	53.9
4	USG	3661	4	106.1	132.6	59.8	12	106.4	130.2	61.5	2	108.6	158.1	61.5	28	104.0	109.6	56.4
5	USG	3472	5	104.2	130.2	58.9	15	105.8	129.6	59.9	32	102.0	148.5	62.6	10	106.8	112.6	54.2
6	UMD	MDW148	6	103.7	129.7	56.4	20	104.9	128.4	60.7	43	100.0	145.6	61.5	4	109.2	115.1	46.9
7	MAS	MAS #86	7	103.4	129.3	58.7	36	101.6	124.5	61.1	3	108.2	157.4	61.0	46	100.5	105.9	53.9
8	Dyna-Gro	9172	8	102.3	127.8	57.7	69	97.5	119.3	59.6	10	105.2	153.2	62.3	19	105.3	111.0	51.4
9	UMD	MDW23-2	9	101.9	127.4	56.3	70	97.5	119.3	58.9	24	103.4	150.5	62.7	13	106.6	112.4	47.2
10	AgriMAXX	513	10	101.9	127.4	59.3	55	99.3	121.6	60.3	37	101.0	146.9	62.3	6	107.8	113.6	55.4
11	Dyna-Gro	9120	11	101.7	127.2	61.1	59	98.8	121.0	62.4	18	104.4	151.9	62.9	31	103.0	108.6	58.0
12	AgriMAXX	516	12	101.7	127.1	59.8	47	100.2	122.7	60.6	40	100.5	146.3	61.7	12	106.6	112.4	57.0
13	Revere	2169	13	101.6	127.1	60.6	83	95.1	116.4	61.0	31	102.2	148.7	62.2	3	110.1	116.1	58.6
14	MAS	MAS #139	14	101.3	126.6	58.5	44	101.0	123.6	58.8	7	105.9	154.2	61.8	60	96.9	102.1	54.8
15	Southern Harvest	SH 4222	15	101.0	126.2	59.1	35	101.9	124.8	61.7	55	98.8	143.8	62.6	25	104.5	110.1	52.9
16	Dyna-Gro	9151	16	101.0	126.2	61.9	64	98.1	120.1	62.4	34	101.5	147.7	63.8	20	105.3	110.9	59.5
17	Dyna-Gro	9393	17	100.7	126.0	58.1	50	99.8	122.2	60.7	50	99.6	145.0	59.0	21	105.0	110.6	54.5
18	USG	3329	18	100.6	125.8	59.4	72	96.9	118.7	59.6	29	102.4	149.0	61.6	27	104.2	109.8	57.2
19	AgriMAXX	505	19	100.0	125.0	60.0	11	106.5	130.4	62.9	86	93.6	136.3	61.3	33	102.9	108.4	55.8
20	Helena Agri	MBX 127	20	99.6	124.5	59.5	93	92.0	112.6	61.0	56	98.7	143.7	61.8	2	111.1	117.1	55.6
21	AgriMAXX	503	21	99.2	124.0	59.3	80	95.3	116.7	60.1	12	105.1	153.0	61.4	57	97.1	102.4	56.4
22	Helena Agri	MBX 176	22	97.9	122.4	58.0	68	97.5	119.4	59.4	80	94.7	137.9	58.8	26	104.3	109.9	55.9
23	Helena Agri	MBX 223	23	97.5	121.9	58.7	84	94.9	116.2	61.1	68	96.8	140.9	61.7	30	103.1	108.6	53.3
24	MAS	MAS #106	24	97.5	121.8	58.1	3	109.5	134.1	61.7	63	97.4	141.8	61.0	82	85.1	89.6	51.6
25	MAS	MAS #316	25	97.1	121.4	59.9	92	92.1	112.8	61.7	35	101.3	147.5	61.0	51	98.5	103.8	57.0
26	MAS	MAS #133	26	96.8	121.0	56.6	100	89.3	109.4	57.7	23	104.0	151.3	60.2	58	97.1	102.3	51.9
27	Revere	2277	27	96.5	120.7	60.4	90	93.5	114.5	61.8	70	96.4	140.3	62.0	37	101.8	107.3	57.4
28	UMD	UMD-21-MDX17	28	95.9	119.9	56.4	96	91.0	111.4	58.9	88	93.1	135.5	62.1	9	106.9	112.7	48.3
29	Southern Harvest	SH 7200	29	95.3	119.1	57.3	76	95.8	117.3	59.6	77	95.8	139.4	61.8	63	95.4	100.6	50.4
30	Southern Harvest	SH 9520	30	94.9	118.6	61.1	97	90.5	110.8	62.1	59	98.2	142.9	62.2	59	97.0	102.2	58.9
31	MAS	MAS #67	31	94.3	117.9	56.2	81	95.3	116.6	61.3	82	94.7	137.8	58.4	69	94.1	99.2	48.9
32	MAS	MAS #189	32	92.8	116.0	59.2	87	94.5	115.7	62.3	89	93.0	135.3	62.7	76	92.0	96.9	52.5
33	MAS	MAS #2	33	91.1	113.8	59.6	98	90.3	110.5	64.4	81	94.7	137.8	62.2	79	88.5	93.2	52.3
				Mean	125.0	58.9			122.4	60.4			145.5	61.5			105.4	53.8
				CV (%)	16.3	7.7			18.9	6.8			4.2	2.1			6.8	6.9

* Represent three year average of cultivars tested under Maryland small grain trials. Data presented here reflect average of statewide test of each trial years starting from 2021-2022

FACTSHEET 2023- 2024 MARYLAND STATEWIDE Barley YIELD TRIAL RESULTS

Brand	Variety	Statewide Average				Clarksville (CV)				Beltsville (BV)				Flowering Date (Julian)	Plant Height (in)	Leaf Rust (0-9)	SNB (0-9)
		Rank	Yield (% mean)	Yield (bu/A)	Test Weight (lbs/bu)	Rank	Yield (% mean)	Yield (bu/A)	Test Weight (lbs/bu)	Rank	Yield (% mean)	Yield (bu/A)	Test Weight (lbs/bu)				
VCIA	20211573	1	137.25	125.4	52.9	1	139.7	144.2	43.2	2	150.4	106.5	62.6	109	30.3	0	0
VCIA	Hirondella	2	126.53	115.6	42.8	2	137.4	141.9	43.3	5	126.0	89.2	42.3	106	33.5	1	1
VCIA	Secretariat	3	113.27	103.4	45.5	8	94.9	98.0	42.8	1	157.6	111.7	49.7	115	18.5	0	0
UMD	MDB21-283	4	106.44	97.2	43.2	5	106.2	109.6	39.8	7	102.1	72.4	46.6	108	30.3	0	0
VCIA	VT Beahm	5	106.43	97.2	43.5	3	120.5	124.4	40.0	8	98.8	70.0	47.1	108	13.0	0	0
BreunCr	BC Clementine	6	102.07	93.2	38.9	6	105.3	108.7	41.1	10	87.9	62.2	34.6	108	29.5	1	1
UMD	MDB21-781	7	99.05	90.5	44.5	4	112.1	115.7	44.7	9	92.0	65.2	44.4	108	31.5	0	0
UMD	MDB21-518-DW	8	97.21	88.8	43.5	9	94.8	97.8	41.2	11	87.0	61.6	50.4	115	18.5	0	0
VCIA	Marouetta	9	96.47	88.1	44.3	7	99.7	102.9	40.6	6	103.4	73.3	47.9	105	25.6	1	0
BreunCr	BC Fay	10	90.16	82.3	44.8	10	93.7	96.7	52.0	12	75.7	53.7	30.5	106	28.0	1	1
VCIA	Avalon	11	88.17	80.5	41.0	14	74.4	76.8	40.5	3	129.4	91.7	42.3	109	25.6	0	0
VCIA	Flavia	12	86.97	79.4	40.6	11	92.0	94.9	39.5	14	68.3	48.4	42.8	109	17.7	0	0
BreunCr	BC Leandra	13	84.08	76.8	41.8	13	85.9	88.6	41.6	13	74.9	53.1	42.3	108	29.5	1	1
Check	Nomini	14	83.23	76.0	38.2	15	60.3	62.2	31.1	4	126.7	89.8	45.4	109	17.7	0	0
LCS	Violetta	15	77.42	70.7	38.0	12	90.5	93.4	41.1	15	51.8	36.7	33.3	107	31.5	1	0
Mean			91.3	42.5			103.2	41.3			70.8	43.7		108.7	25.4		
CV(%)			31.2	16.9			24.7	14.0			36.0	18.5					
LSD (0.05)			36.2	9.1			48.9	11.1			43.0	13.6					

Barley trials at Wye and Clarksville faced huge damage due to biotic and abiotic stresses.

Wye data is not reported due insufficient plot weights

All the yield data and test weights are reported at the 13.5% grain moisture content

Bold values indicate no significant difference from top ranked entry

Team

Dr. Parva Sharma

Dr. Seyedali Hosseinirad

Dr. Adam Schoen

Dr. Nidhi Rawat

Dr. Vijay Tiwari

Graduate Students

Ms. Anmol Kajla

Mrs. Janelle Livesay

Mrs. Arielis Morales-Salva

Mr. Bhavit Chhabra

Mr. Carl Paulson

Mr. Ian Moot

Mr. Sydney Wallace

Undergraduate Students

Ms. Victoria Cheng

Ms. Emma Price

Ms. Olivia Virginia Henshaw-Black

Ms. Sabrina Purtee

Mr. Ryan Frist

Mr. Eddie Haag

Mr. Carter Kelly

Technicians

Ms Shana Burke

Mr. Louis Thorne

Mr. Caleb Horseman

Mr. Michael Drechsler



More information can be found at:

<https://psla.umd.edu/extension/md-crops/small-grains-maryland>



Comparative analysis of commercial winter barley cultivars tested under MD small grain trials for last three years (2021/2022 to 2023/2024)																						
#	Brand	Variety	cultivars*				Trial				Trial				2021/2022 Statewide Average MD Trial							
			Rank	Yield % mean)	Yield (bu/A)	Test Weight (lbs)	Rank 2024	Yield (% mean)	Yield (bu/A)	Test Weight (lbs)	Rank 2023	Yield (% mean)	Yield (bu/A)	Test Weight (lbs)	Rank 2022	Yield (% mean)	Yield (bu/A)	Test Weight (lbs)				
1	VCIA	Marouetta	1	120.3	131.3	44.9	9	96.5	88.1	44.3	1	136.6	183.6	48.0	3	114.9	122.1	42.5				
2	VCIA	Hirondella	2	119.0	129.8	44.3	2	126.5	115.6	42.8	2	124.4	167.3	49.4	15	100.2	106.4	40.7				
3	UMD	MDB21-283	3	112.6	122.8	43.5	4	106.4	97.2	43.2	6	107.2	144.1	45.3	4	119.6	127.1	42.0				
4	VCIA	Secretariat	4	110.6	120.6	44.2	3	113.3	103.4	45.5	3	123.0	165.3	50.4	21	87.7	93.2	36.7				
5	UMD	MDB21-781	5	102.6	111.9	43.4	7	99.1	90.5	44.5	14	87.9	118.1	45.7	10	119.7	127.2	40.1				
6	BreunCraft	BC Clementine	6	97.2	106.0	44.8	6	102.1	93.2	38.9	16	77.9	104.8	49.8	6	113.1	120.1	45.8				
7	VCIA	Avalon	7	94.3	102.9	46.3	11	88.2	80.5	41.0	8	97.3	130.7	50.8	17	91.7	97.5	47.2				
8	UMD	MDB21-518-DW	8	90.9	99.2	41.9	8	97.2	88.8	43.5	15	84.8	113.9	42.0	2	89.3	94.8	40.1				
9	BreunCraft	BC Fay	9	90.5	98.7	43.8	10	90.2	82.3	44.8	9	93.8	126.1	46.9	22	82.5	87.7	39.7				
10	VCIA	Flavia	10	86.8	94.7	44.2	12	87.0	79.4	40.6	13	91.3	122.7	49.4	24	77.2	82.0	42.6				
11	LCS	Violetta	11	75.1	82.0	41.9	15	77.4	70.7	38.0	17	66.2	89.0	47.3	5	81.1	86.1	40.5				
			Mean				91.3				42.5				134.4				48.2			
			CV(%)				31.2				16.9				18.0				6.6			
* Represent three year average of cultivars tested under Maryland small grain trials. Data presented here reflect average of statewide test of each trial years starting from 2021-2022																						