

FACTSHEET 2021- 2022 MARYLAND STATEWIDE WHEAT YIELD TRIAL RESULTS

#	Brand	Variety	Statewide Average			Wye (WY)			Clarksville (CV)			Beltsville (BV)			Poplar Hills (PH)			Keedysville (KD)			
			Rank	Yield (% mean)	Yield (bu/A)	Test Weight (lbs)	Rank	Yield (bu/A)	Test Weight (lbs)	Rank	Yield (bu/A)	Test Weight (lbs)	Rank	Yield (bu/A)	Test Weight (lbs)	Rank	Yield (bu/A)	Test Weight (lbs)	Rank	Yield (bu/A)	Test Weight (lbs)
1	USG	3352	1	112.5	119.2	58.7	14	95.4	56.0	10	120.8	59.7	13	108.8	63	2	133.1	58.4	5	138.0	56.8
2	Mercer Brand	MBX 127	2	110.5	117.1	58.1	4	99.5	56.1	12	119.9	58.3	12	109.1	61	35	111.3	57.4	2	145.6	57.2
3	Local Seed	Revere2169	3	109.6	116.1	57.7	59	85.4	55.4	2	129.4	57.7	9	111.2	61	10	125.1	57.3	14	129.3	57.6
4	UMD	21-MDW148	4	108.6	115.1	55.8	9	97.3	58.2	8	121.9	50.8	1	125.1	53	25	113.5	59.0	48	117.5	57.5
5	AgriMaxx	EXP2110	5	108.0	114.5	58.2	8	97.5	58.4	22	116.4	56.4	35	103.1	59	8	126.0	59.3	15	129.2	57.5
6	AgriMaxx	513	6	107.2	113.6	58.2	7	98.2	57.9	25	115.2	56.2	19	107.3	59	23	114.1	59.9	9	133.3	58.1
7	USG	3783	7	106.9	113.3	57.7	24	92.8	58.2	11	120.1	54.7	44	99.4	58	6	126.3	59.9	23	127.9	58.1
8	USG	3463	8	106.4	112.8	58.3	52	87.0	57.1	23	116.3	57.5	27	105.2	61	4	127.0	58.6	20	128.4	57.8
9	UMD	21-MDW17	9	106.4	112.7	58.1	53	87.0	58.0	70	99.8	57.3	5	113.5	60	16	118.4	57.1	3	144.8	57.6
10	USG	3472	10	106.3	112.6	58.8	28	92.2	56.0	65	103.0	60.0	38	101.6	63	1	133.3	57.2	12	132.8	57.7
11	Mid-Atlantic Seeds	MAS 155	11	106.1	112.4	56.3	35	90.9	56.0	44	111.2	54.2	32	104.1	57	5	126.7	58.3	16	129.2	55.8
12	AgriMaxx	516	12	106.0	112.4	57.9	39	89.9	55.8	6	123.5	58.0	8	112.2	61	45	107.4	57.6	19	128.9	57.2
13	UMD	MDW58	13	106.0	112.4	55.6	31	91.5	56.8	20	117.1	50.9	11	109.4	54	20	114.8	58.2	18	129.0	58.5
14	AgriMaxx	514	14	105.9	112.2	58.0	1	103.1	56.5	31	114.5	57.8	17	107.5	61	37	109.8	58.0	25	126.2	56.9
15	Pioneer	25R74	15	105.4	111.7	58.2	18	94.5	56.9	40	112.9	57.5	48	98.6	61	3	127.2	58.6	26	125.5	57.3
16	AgriMaxx	EXP 2105	16	105.4	111.7	59.0	32	91.1	56.0	41	112.3	60.3	22	105.6	63	31	112.9	58.1	6	136.6	57.2
17	USG	3363	17	105.3	111.6	59.3	20	93.6	58.1	56	107.4	59.1	49	97.9	62	11	123.3	59.0	8	135.6	58.2
18	KWS	411	18	104.8	111.1	58.4	15	95.3	58.8	55	107.7	55.6	39	101.3	58	7	126.3	61.0	29	124.8	58.3
19	Dyna Gro	9172	19	104.8	111.0	57.5	30	91.9	55.0	67	102.3	57.8	6	113.3	61	21	114.7	57.2	11	132.8	56.7
20	Dyna Gro	9151	20	104.7	110.9	58.9	37	90.7	58.6	14	119.6	56.9	2	120.5	60	39	109.6	60.1	56	114.2	58.9
21	Dyna Gro	9393	21	104.4	110.6	56.7	44	88.8	58.3	28	114.9	52.6	4	115.8	55	41	109.0	59.3	30	124.7	57.7
22	UMD	21-MDW105	22	104.1	110.3	59.4	34	91.0	57.3	7	122.8	59.4	63	89.5	63	52	102.1	60.4	1	145.9	57.6
23	KWS	394	23	104.1	110.3	54.3	22	93.0	56.2	3	128.1	48.9	10	111.1	51	62	94.7	57.6	31	124.2	57.3
24	KWS	414	24	104.0	110.2	55.1	33	91.0	54.5	60	106.3	54.0	18	107.4	57	28	113.4	55.7	10	132.9	54.7
25	Southern Harvest	SH 4222	25	103.9	110.1	59.3	3	99.5	57.9	62	104.2	59.3	68	88.3	62	9	125.9	59.1	13	132.8	57.8
26	Mercer Brand	MBX 176	26	103.7	109.9	55.3	19	93.7	56.6	26	115.2	51.1	25	105.4	54	44	107.4	57.6	22	128.0	57.5
27	USG	3329	27	103.6	109.8	55.5	42	89.2	56.9	1	130.1	51.5	28	105.2	54	22	114.2	57.4	62	110.4	57.4
28	USG	3661	28	103.5	109.6	56.7	17	94.9	59.5	50	108.6	51.0	3	119.9	54	60	95.8	60.3	17	129.1	59.3
29	AgriMaxx	EXP 2222	29	102.8	109.0	59.9	57	86.0	58.2	30	114.6	60.0	7	112.3	63	17	117.9	60.0	57	114.1	58.3
30	Mercer Brand	MBX 223	30	102.5	108.6	56.3	48	88.2	56.5	43	111.6	53.1	16	108.1	56	18	116.2	57.8	44	119.0	58.1
31	Dyna Gro	9120	31	102.5	108.6	59.1	6	98.2	58.3	36	113.5	57.0	56	95.6	60	32	112.9	60.8	35	122.6	59.4
32	AgriMaxx	454	32	102.3	108.4	58.4	11	96.5	56.3	48	109.5	58.8	40	100.9	62	26	113.5	57.9	37	121.6	57.2
33	AgriMaxx	505	33	102.3	108.4	59.2	23	93.0	58.3	49	109.1	57.5	57	95.5	61	14	119.0	60.1	27	125.4	59.6
34	AgriMaxx	502	34	102.1	108.2	58.0	56	86.2	56.1	13	119.7	57.5	24	105.5	61	34	111.7	59.0	46	118.0	56.8
35	VICA	15VDH-FHB-MAS-33-13	35	101.9	108.0	52.9	2	99.8	57.4	5	127.8	45.6	33	103.8	48	63	93.4	57.2	53	115.1	56.5
36	Dyna Gro	WX 22793	36	101.6	107.7	55.8	36	90.8	55.3	4	127.9	53.1	45	99.2	56	58	96.9	58.3	32	123.7	56.4
37	Local Seed	Revere2277	37	101.3	107.3	59.1	45	88.7	57.6	24	116.1	58.9	53	97.1	62	12	120.1	59.4	55	114.5	57.7
38	Mercer Brand	MBX 120	38	101.2	107.2	59.8	58	86.0	57.9	18	118.0	60.5	59	93.7	64	19	115.3	59.5	33	123.2	57.4
39	Mid-Atlantic Seeds	MAS 143	39	101.2	107.2	57.8	65	82.6	55.8	15	118.9	58.1	21	105.6	61	40	109.2	56.6	42	119.6	57.1
40	VICA-VA TECH	17VDH-SRW01-077	40	101.1	107.1	55.0	63	83.4	57.7	21	117.1	48.9	23	105.5	51	33	112.5	59.8	49	117.1	57.2
41	UMD	21-MDX11	41	100.7	106.7	58.7	61	84.5	59.5	29	114.7	57.7	52	97.3	61	53	101.2	56.3	7	136.0	59.2
42	UMD	MDW291	42	100.7	106.7	58.9	10	96.8	59.3	47	109.9	57.2	73	80.5	60	43	107.5	59.2	4	138.9	58.8
43	Local Seed	Revere2266	43	100.6	106.6	57.3	41	89.4	55.6	54	107.7	57.0	54	96.2	60	30	112.9	57.1	24	126.8	56.7
44	AgriPro	SY 547	44	100.6	106.6	57.0	47	88.4	57.2	32	113.9	54.0	20	106.7	57	51	102.1	59.8	36	121.8	57.2
45	Check	Shirley	45	100.1	106.1	56.0	46	88.6	57.0	27	115.2	53.1	51	97.6	56	42	108.8	57.6	40	120.1	56.5

#	Brand	Variety	Rank	Yield (% mean)	Yield (bu/A)	Test Weight (lbs)	Rank	Yield (bu/A)	Test Weight (lbs)	Rank	Yield (bu/A)	Test Weight (lbs)	Rank	Yield (bu/A)	Test Weight (lbs)	Rank	Yield (bu/A)	Test Weight (lbs)	Rank	Yield (bu/A)	Test Weight (lbs)
46	Mid-Atlantic Seeds	MAS 86	46	100.0	105.9	58.0	62	83.7	56.7	46	110.4	57.6	29	105.2	61	36	110.6	58.5	41	119.9	56.4
47	Dyna Gro	WX 20738	47	100.0	105.9	58.9	12	96.2	57.2	58	106.8	58.0	42	100.1	61	48	103.8	59.8	34	122.7	58.7
48	UMD	21-MDW293	48	99.6	105.5	59.1	64	83.4	60.3	37	113.4	56.3	14	108.7	59	57	97.1	59.8	28	124.9	59.8
49	Mid-Atlantic Seeds	MAS 316	49	97.9	103.8	57.5	71	79.4	56.9	33	113.8	56.3	47	98.7	59	15	118.5	58.6	66	108.4	56.6
50	Mercer Brand	MBX 246	50	97.9	103.7	58.4	70	80.8	58.6	38	113.2	56.2	55	96.0	59	27	113.4	59.7	52	115.2	58.5
51	Local Seed	Revere2148	51	97.4	103.2	56.3	26	92.3	58.3	34	113.7	53.4	37	102.0	56		†	†	67	104.9	57.4
52	VCIA	Liberty 5658	52	97.4	103.2	60.5	43	88.8	59.4	61	105.8	59.4	62	91.1	63	13	119.2	61.1	61	110.9	60.1
53	AgriMaxx	503	53	96.6	102.4	57.4	21	93.3	58.5	17	118.6	54.2	31	104.9	57	72	74.0	60.3	38	121.1	57.2
54	Mid-Atlantic Seeds	MAS 133	54	96.5	102.3	55.2	73	74.1	54.8	68	101.5	53.3	34	103.3	56	29	113.1	56.2	43	119.6	55.5
55	Southern Harvest	SH 9520	55	96.5	102.2	58.6	68	81.2	57.6	9	121.8	57.6	43	99.5	61	54	100.0	58.7	65	108.5	58.4
56	Mid-Atlantic Seeds	MAS 139	56	96.4	102.1	56.7	54	86.7	55.8	57	107.0	55.8	64	89.5	59	38	109.7	57.1	47	117.6	56.2
57	AgriPro	GP 709	57	95.1	100.8	59.1	38	90.2	59.6	59	106.3	56.1	58	95.4	59	50	103.1	61.1	63	109.1	59.7
58	AgriPro	SY 576	58	94.9	100.6	57.9	49	88.1	56.5	69	101.1	57.7	61	92.3	61	47	104.4	58.1	50	116.9	56.3
59	Southern Harvest	SH 7200	59	94.9	100.6	56.0	55	86.7	56.5	71	98.1	51.2	66	89.3	54	24	113.8	60.6	54	114.9	58.1
60	AgriPro	SY 100	60	94.5	100.1	54.8	50	87.6	55.7	19	117.7	52.0	30	105.0	55	74	69.6	56.5	39	120.7	55.1
61	Dyna Gro	9152(9352)	61	94.2	99.8	54.6	25	92.6	56.2	51	108.5	50.4	26	105.3	53	67	83.7	57.8	64	108.8	55.5
62	UMD	MDW299	62	94.1	99.7	61.7	5	98.8	60.0	45	110.7	63.2	74	70.3	67	65	90.7	57.9	21	128.0	60.8
63	USG	3118	63	93.6	99.2	56.5	27	92.3	59.6	66	102.5	50.9	67	88.7	54	56	99.5	60.7	59	112.9	57.5
64	Mid-Atlantic Seeds	MAS 67	64	93.6	99.2	55.4	29	92.2	55.7	72	97.8	52.0	36	103.1	55	46	107.3	57.7	73	95.5	56.8
65	Pioneer	26R59	65	93.3	98.9	54.0	40	89.7	56.4	52	108.4	48.6	41	100.3	51	55	99.6	58.8	72	96.3	55.1
66	Mercer Brand	MBX 2261	66	93.0	98.5	54.6	60	84.9	56.0	16	118.9	51.4	46	98.7	54	64	92.2	56.3	70	97.9	55.4
67	AgriPro	SY Viper	67	92.3	97.8	58.3	66	82.1	59.9	42	112.1	54.7	15	108.3	58	73	72.8	60.5	58	113.7	59.0
68	VICA	VA17W-75	68	92.1	97.6	59.3	16	95.2	59.4	39	113.1	56.7	70	87.4	60	69	80.8	60.7	60	111.5	60.1
69	AgriPro	GP 381	69	91.9	97.3	58.4	67	81.9	56.5	35	113.6	58.0	50	97.8	61	66	90.3	57.7	68	103.2	58.8
70	Mid-atlantic Seeds	MAS 189	70	91.5	96.9	60.1	51	87.4	59.9	64	103.3	58.3	72	80.8	61	59	96.2	61.1	51	116.9	59.9
71	AgriPro	SY 007	71	90.5	95.9	58.2	72	78.3	57.7	75	96.2	56.2	71	83.5	59	49	103.5	59.8	45	118.1	58.0
72	Mid-Atlantic Seeds	MAS 2	72	88.0	93.2	61.0	13	95.6	59.5	63	103.9	60.9	65	89.5	64	68	82.0	61.0	74	95.3	59.5
73	AgriPro	GP 463	73	87.3	92.5	56.9	69	81.2	54.6	53	108.0	56.1	60	93.5	59	71	77.9	56.8	69	101.8	58.1
74	Mid-Atlantic Seeds	MAS 106	74	84.6	89.6	59.6	74	73.9	58.3	73	97.0	58.7	69	88.2	62	61	95.3	59.9	75	93.7	59.2
75	VICA	Haardy 2519	75	70.7	74.9	59.8	75	44.2	59.2	74	96.4	58.5	75	56.9	62	70	79.3	60.6	71	97.9	59.1
			Mean		106.0	57.6		89.3	57.4		112.3	55.8		100.4	58.7		107.2	58.7		120.6	57.7
			CV (%)		6.7	3.1		9.0	2.6		7.2	6.2		10.8	6.2		13.5	2.4		9.9	2.2

† = Data unavailable due to Deer Damage

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

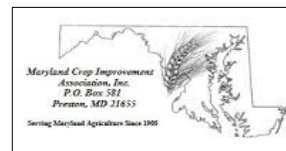
Yield rankings are based on averaged means of 15 entries from five different locations

Team

- Mr. Adam Schoen
- Mr. Louis Trome
- Mr. Joseph Crank
- Mr. Cj Chansler
- Mr. Bhavit Chhabra
- Ms. Shana Burke
- Ms. Janelle Livesay
- Mr. Taylor Schulden
- Dr. Nidhi Rawat
- Dr. Vijay Tiwari

More information can be found at:

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



AGRONOMIC DATA 2021- 2022 MARYLAND STATEWIDE WHEAT YIELD TRIAL RESULTS

Entries	Company	ID	Statewide Yield Rank	Yield (% mean)	Yield (bu/A)	Test Weight (lbs)	Heading Date (Julian)	Flowering Date (Julian)	Height (in)	Lodging (0-9)	Powdery Mildew (0-9)	Glume Blotch (0-9)	Leaf Rust (0-9)	BYDV (0-9)	Septoria (0-9)
1	USG	3352	1	112.5	119.2	58.7	125	130	31.1	0	0	8	4	0	0
2	Mercer Brand	MBX 127	2	110.5	117.1	58.1	123	128	30.3	0	3	0	8	0	5
3	Local Seed	Revere2169	3	109.6	116.1	57.7	123	126	30.3	0	7	7	6	0	3
4	UMD	21-MDW148	4	108.6	115.1	55.8	124	127	30.5	0	0	0	0	0	1
5	AgriMaxx	EXP2110	5	108.0	114.5	58.2	125	129	28.7	0	0	3	6	0	1
6	AgriMaxx	513	6	107.2	113.6	58.2	123	128	29.1	0	4	6	4	0	5
7	USG	3783	7	106.9	113.3	57.7	124	128	29.5	0	0	5	1	0	5
8	USG	3463	8	106.4	112.8	58.3	122	126	29.9	0	2	9	4	0	3
9	UMD	21-MDW17	9	106.4	112.7	58.1	122	126	29.5	0	0	1	0	0	2
10	USG	3472	10	106.3	112.6	58.8	123	126	31.1	0	7	5	6	0	4
11	Mid-Atlantic Seeds	MAS 155	11	106.1	112.4	56.3	123	126	31.1	0	4	0	7	0	6
12	AgriMaxx	516	12	106.0	112.4	57.9	123	127	29.5	0	2	6	6	0	0
13	UMD	MDW58	13	106.0	112.4	55.6	123	126	31.1	0	7	5	6	0	4
14	AgriMaxx	514	14	105.9	112.2	58.0	123	128	30.3	0	1	7	4	0	4
15	Pioneer	25R74	15	105.4	111.7	58.2	122	125	29.9	0	0	3	4	2	1
16	AgriMaxx	EXP 2105	16	105.4	111.7	59.0	125	128	31.9	0	2	6	6	0	1
17	USG	3363	17	105.3	111.6	59.3	124	128	29.9	0	2	5	4	0	0
18	KWS	411	18	104.8	111.1	58.4	122	126	31.1	0	4	4	7	0	6
19	Dyna Gro	9172	19	104.8	111.0	57.5	124	128	29.9	0	5	0	5	0	6
20	Dyna Gro	9151	20	104.7	110.9	58.9	124	128	30.7	0	5	0	5	0	5
21	Dyna Gro	9393	21	104.4	110.6	56.7	124	127	29.9	0	0	0	3	0	0
22	UMD	21-MDW105	22	104.1	110.3	59.4	124	128	29.9	0	2	5	4	0	0
23	KWS	394	23	104.1	110.3	54.3	123	127	32.3	0	7	7	4	0	8
24	KWS	414	24	104.0	110.2	55.1	125	130	29.9	0	0	9	7	0	5
25	Southern Harvest	SH 4222	25	103.9	110.1	59.3	123	126	31.5	0	6	6	7	0	6
26	Mercer Brand	MBX 176	26	103.7	109.9	55.3	123	128	29.1	0	3	7	6	0	0
27	USG	3329	27	103.6	109.8	55.5	122	126	28.7	0	3	5	6	3	2
28	USG	3661	28	103.5	109.6	56.7	123	127	29.9	0	0	5	1	2	6
29	AgriMaxx	EXP 2222	29	102.8	109.0	59.9	126	131	29.9	0	0	7	3	0	0
30	Mercer Brand	MBX 223	30	102.5	108.6	56.3	122	125	29.1	0	0	4	7	0	4
31	Dyna Gro	9120	31	102.5	108.6	59.1	121	126	30.7	0	7	0	5	0	7
32	AgriMaxx	454	32	102.3	108.4	58.4	123	128	30.7	0	7	0	3	7	1
33	AgriMaxx	505	33	102.3	108.4	59.2	124	128	30.3	0	6	7	5	0	3
34	AgriMaxx	502	34	102.1	108.2	58.0	122	126	29.9	0	7	4	4	3	1
35	VICA	15VDH-FHB-MAS-33-13	35	101.9	108.0	52.9	123	126	28.4	0	3	7	1	0	0
36	Dyna Gro	WX 22793	36	101.6	107.7	55.8	123	126	32.3	0	0	0	6	0	6
37	Local Seed	Revere2277	37	101.3	107.3	59.1	125	130	31.1	0	7	7	5	1	0
38	Mercer Brand	MBX 120	38	101.2	107.2	59.8	125	128	28.7	0	0	7	3	0	1
39	Mid-Atlantic Seeds	MAS 143	39	101.2	107.2	57.8	123	128	31.9	0	7	0	8	0	4
40	VICA-VA TECH	17VDH-SRW01-077	40	101.1	107.1	55.0	122	126	29.5	0	0	5	1	0	0

Entries	Company	ID	Statewide Yield Rank	Yield (% mean)	Yield (bu/A)	Test Weight (lbs)	Heading Date (Julian)	Flowering Date (Julian)	Height (in)	Lodging (0-9)	Powdery Mildew (0-9)	Glume Blotch (0-9)	Leaf Rust (0-9)	BYDV (0-9)	Septoria (0-9)
41	UMD	21-MDX11	41	100.7	106.7	58.7	122	126	29.5	0	0	5	1	0	0
42	UMD	MDW291	42	100.7	106.7	64.9	123	127	31.2	0	0	2	1	1	1
43	Local Seed	Revere2266	43	100.6	106.6	57.3	124	128	30.7	0	6	9	5	2	0
44	AgriPro	SY 547	44	100.6	106.6	57.0	122	126	30.7	0	5	6	2	0	6
45	Check	Shirley	45	100.1	106.1	56.0	125	129	28.7	0	0	4	2	0	3
46	Mid-Atlantic Seeds	MAS 86	46	100.0	105.9	58.0	124	127	30.3	0	0	5	4	0	7
47	Dyna Gro	WX 20738	47	100.0	105.9	58.9	122	125	31.1	0	0	5	8	0	0
48	UMD	21-MDW293	48	99.6	105.5	59.1	123	127	29.5	0	0	6	7	4	4
49	Mid-Atlantic Seeds	MAS 316	49	97.9	103.8	57.5	124	127	31.1	0	6	7	7	0	6
50	Mercer Brand	MBX 246	50	97.9	103.7	58.4	123	127	28.7	0	5	4	6	0	4
51	Local Seed	Revere2148	51	97.4	103.2	56.3	124	129	30.3	0	7	3	5	0	6
52	VCIA	Liberty 5658	52	97.4	103.2	60.5	120	124	30.7	0	3	7	2	0	3
53	AgriMaxx	503	53	96.6	102.4	57.4	124	127	29.9	0	7	7	5	0	3
54	Mid-Atlantic Seeds	MAS 133	54	96.5	102.3	55.2	124	128	31.5	0	8	5	7	0	6
55	Southern Harvest	SH 9520	55	96.5	102.2	58.6	125	128	30.3	0	8	7	1	0	0
56	Mid-Atlantic Seeds	MAS 139	56	96.4	102.1	56.7	123	127	29.5	0	0	6	7	4	4
57	AgriPro	GP 709	57	95.1	100.8	59.1	119	123	32.3	0	3	6	6	0	3
58	AgriPro	SY 576	58	94.9	100.6	57.9	126	129	25.2	0	0	6	4	0	5
59	Southern Harvest	SH 7200	59	94.9	100.6	56.0	121	125	29.9	0	0	4	2	0	0
60	AgriPro	SY 100	60	94.5	100.1	54.8	122	126	29.9	0	5	3	5	0	1
61	Dyna Gro	9152(9352)	61	94.2	99.8	54.6	123	128	29.9	0	8	5	4	0	8
62	UMD	MDW299	62	94.1	99.7	61.7	123	128	31.8	0	1	1	1	0	1
63	USG	3118	63	93.6	99.2	56.5	121	124	30.7	0	0	6	1	0	4
64	Mid-Atlantic Seeds	MAS 67	64	93.6	99.2	55.4	122	125	29.1	0	5	5	4	0	0
65	Pioneer	26R59	65	93.3	98.9	54.0	123	128	29.1	0	0	4	3	0	0
66	Mercer Brand	MBX 2261	66	93.0	98.5	54.6	121	125	28.4	0	6	4	3	0	3
67	AgriPro	SY Viper	67	92.3	97.8	58.3	121	124	32.3	0	4	0	7	0	3
68	VICA	VA17W-75	68	92.1	97.6	59.3	120	124	29.5	0	6	5	4	0	0
69	AgriPro	GP 381	69	91.9	97.3	58.4	121	125	30.3	0	5	3	4	0	0
70	Mid-atlantic Seeds	MAS 189	70	91.5	96.9	60.1	119	124	29.9	0	0	4	4	0	5
71	AgriPro	SY 007	71	90.5	95.9	58.2	120	123	31.9	0	4	5	6	0	0
72	Mid-Atlantic Seeds	MAS 2	72	88.0	93.2	61.0	123	128	29.9	0	5	7	4	0	5
73	AgriPro	GP 463	73	87.3	92.5	56.9	123	128	29.9	0	5	7	4	0	5
74	Mid-Atlantic Seeds	MAS 106	74	84.6	89.6	59.6	122	125	30.3	0	7	0	6	0	5
75	VICA	Haardy 2519	75	70.7	74.9	59.8	119	123	30.7	0	7	7	5	0	4
		Mean		100.0	106.0	57.7	122.9	126.8	30.2	0.0	3.3	4.6	4.4	0.4	2.9
		CV (%)		6.7	6.7	3.4	1.3	1.4	3.7						
1 Disease data was recorded from three locations (Wye, Clarksville and Beltsville, MD) under natural inoculation															
2 Disease scores were recorded on 0-9 scale based on visual ratings where '0' indicate no disease or low severity and '9' indicated high Severity or very high susceptibility															
3 Plant height was recorded at all locations just before hearvesting															

4 | Heading date and flowering time data is based on the average of three locations (Wye, Clarksville and Beltsville, MD)

Team

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FACTSHEET 2021-2022 MARYLAND STATEWIDE BARLEY YIELD TRIAL RESULTS

Rank	Company	Variety	Entry	Yield (% of Mean)	Yield (bu/A)	Test Weight (lbs/bu)	Heading Date (Julian)	Flowering Date (Julian)	Rows	Height (in)
1	UMD	MDB21-781	20	119.7	127.2	48.1	110	114	6row	37.8
2	UMD	MDB21-283	18	119.6	127.1	50.4	106	110	6row	37.7
3	VCIA	Marouotta	4	114.8	122.1	51.0	116	121	6row	24.9
4	UMD	MDB-EF-21	12	113.6	120.7	48.2	104	107	6row	38.9
5	VCIA	Nomini	6	113.1	120.2	46.7	110	114	6row	37.7
6	LCS Limagrain	Clementine	16	113.0	120.1	55.0	120	124	2row	26.3
7	VCIA	VA 15H-73(2R)	11	111.6	118.6	67.7	115	120	2row	31.4
8	UMD	MDB21-932	21	110.8	117.8	50.7	106	110	6row	38.9
9	VCIA	VA16FHB-268NA	8	106.3	113.0	46.7	110	115	6row	38.2
10	UMD	MDB21-682-SD	19	106.2	112.9	49.3	110	114	6row	27.1
11	VCIA	Thoroughbred	7	103.9	110.4	50.8	112	117	6row	25.8
12	UMD	MDB21-627-SD	22	103.1	109.5	51.3	109	114	6row	31.1
13	VCIA	Hirondella	1	100.1	106.4	48.8	120	125	6row	28.6
14	LCS Limagrain	Calypso	15	94.8	100.8	53.9	120	124	2row	28.7
15	VCIA	Avalon	3	91.7	97.5	56.6	115	120	2row	26.7
16	UMD	MDB21-518-DW	17	89.2	94.8	48.1	111	114	6row	22.0
17	VCIA	Secretariat	5	87.7	93.2	44.0	112	117	6row	27.6
18	VCIA	VA16M-84	9	84.2	89.5	56.2	112	115	2row	34.5
19	LCS Limagrain	Fay	14	82.5	87.7	47.7	117	120	2row	26.5
20	LCS Limagrain	Violetta	13	81.0	86.1	48.6	110	115	2row	27.5
21	VCIA	Flavia	2	77.1	82.0	51.2	122	125	6row	23.7
22	VCIA	Amaze 10	10	76.0	80.8	60.3	110	114	6row	31.2
AVG					106.3	51.4	112.6	116.8		30.6
CV (%)					14.2	10.2	4.4	4.3		17.9

Yield rankings are based on average of 3 reps at Clarksville MD Yield = bu/A

All the yield data and test weights are reported at the 13.5% grain Test Weight = lb/bu

Data from the barley trials at Wye could not be reported due to extensive damage by birds

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FACTSHEET DISEASE DATA MARYLAND WHEAT VARIETIES 2022

Release Date: 7/26/2022

Entries have been sorted according to their DON values

Company	ID	Statewide Yield Rank	FHB Index	DON content (ppm)	Leaf Rust (0-9)	Powdery Mildew (0-9)	Glume Blotch (0-9)	Septoria (0-9)
UMD	21-MDW17	9	1	3	0	0	1	2
UMD	21-MDW105	22	4	3	3	2	5	0
Mid-Atlantic Seeds	MAS 106	74	3	3	5	7	0	5
AgriPro	GP 463	73	1	3	5	5	7	5
AgriMaxx	503	53	1	4	5	7	7	3
Local Seed	Revere2148	51	1	4	4	7	3	6
AgriMaxx	513	6	2	4	4	4	6	5
AgriPro	GP 381	69	3	4	3	5	3	0
UMD	MDW299	62	7	4	1	1	1	1
Mercer Brand	MBX 127	2	2	4	7	3	0	5
Dyna Gro	9152(9352)	61	4	4	3	8	5	8
Mercer Brand	MBX 223	30	2	5	6	0	4	4
Dyna Gro	9120	31	1	5	5	7	0	7
Dyna Gro	9151	20	4	5	4	5	0	5
Southern Harvest	SH 4222	25	2	5	6	6	6	6
UMD	MDW291	42	6	5	1	0	2	1
UMD	21-MDW293	48	4	5	6	0	6	4
Mid-Atlantic Seeds	MAS 2	72	1	5	3	5	7	5
Mid-Atlantic Seeds	MAS 86	46	2	6	4	0	5	7
AgriPro	GP 709	57	1	6	5	3	6	3
USG	3463	8	1	6	4	2	9	3
Mercer Brand	MBX 246	50	1	6	5	5	4	4
AgriMaxx	525	5	4	6	5	0	3	1
UMD	21-MDW148	4	4	6	0	0	0	1
Dyna Gro	9172	19	3	6	5	5	0	6
Mid-Atlantic Seeds	MAS 133	54	5	6	6	8	5	6
AgriMaxx	454	32	3	6	3	7	0	1
Mid-Atlantic Seeds	MAS 67	64	1	6	4	5	5	0
Mid-Atlantic Seeds	MAS 139	56	5	6	6	0	6	4
VICA	VA17W-75	68	6	6	3	6	5	0
UMD	MDW58	13	1	7	5	7	5	4
UMD	21-MDX11	41	8	7	1	0	5	0
AgriPro	SY 547	44	5	7	2	5	6	6
Local Seed	Revere2169	3	3	7	5	7	7	3
AgriMaxx	516	12	3	7	5	2	6	0
Pioneer	25R74	15	3	7	4	0	3	1
AgriPro	SY Viper	67	4	7	6	4	0	3
KWS	394	23	1	7	4	7	7	8
Mercer Brand	MBX 176	26	1	7	6	3	7	0
AgriMaxx	505	33	4	7	4	6	7	3
AgriPro	SY 007	71	7	8	6	4	5	0
Dyna Gro	WX 20738	47	3	8	6	0	5	0
AgriPro	SY 100	60	4	8	4	5	3	1
Mercer Brand	MBX 2261	66	6	8	3	6	4	3
Mercer Brand	MBX 120	38	2	9	3	0	7	1
Local Seed	Revere2266	43	17	9	5	6	9	0
USG	3329	27	4	9	5	3	5	2
Mid-atlantic Seeds	MAS 189	70	2	9	3	0	4	5
USG	3661	28	12	10	2	0	5	6
Mid-Atlantic Seeds	MAS 143	39	10	10	8	7	0	4
AgriMaxx	514	14	11	10	4	1	7	4
Pioneer	26R59	65	10	10	3	0	4	0
AgriPro	SY 576	58	1	10	3	0	6	5
VICA	15VDH-FHB-MAS-33-13	35	4	10	1	3	7	0

Company	ID	Statewide Yield Rank	FHB Index	DON content (ppm)	Leaf Rust (0-9)	Powdery Mildew (0-9)	Glume Blotch (0-9)	Septoria (0-9)
AgriMaxx	EXP 2105	16	4	10	4	2	6	1
USG	3783	7	7	10	1	0	5	5
Mid-Atlantic Seeds	MAS 316	49	3	10	6	6	7	6
VCIA	Liberty 5658	52	5	11	2	3	7	3
AgriMaxx	502	34	3	11	4	7	4	1
AgriMaxx	EXP 2222	29	5	11	2	0	7	0
Dyna Gro	WX 22793	36	7	11	5	0	0	6
Dyna Gro	9393	21	5	12	3	0	0	0
Southern Harvest	SH 9520	55	23	12	2	8	7	0
USG	3363	17	4	12	3	2	5	0
KWS	411	18	5	12	6	4	4	6
VICA	Hardy 2519	75	12	12	3	7	7	4
USG	3472	10	5	12	6	7	5	4
USG	3352	1	12	13	4	0	8	0
USG	3118	63	11	13	1	0	6	4
Mid-Atlantic Seeds	MAS 155	11	3	14	7	4	0	6
Southern Harvest	SH 7200	59	15	14	2	0	4	0
Local Seed	Revere2277	37	1	16	4	7	7	0
Check	Shirley	45	11	17	3	0	4	3
VICA-VA TECH	17VDH-SRW01-077	40	8	24	1	0	5	0
KWS	414	24	3	24	6	0	9	5

Notes:

- 1- FHB index and DON content are from artificially inoculated misted nursery, so the values may be high as compared to farmers' fields
- 2- Data for other diseases was recorded from three locations (Wye, Clarksville and Beltsville, MD) under natural inoculation
- 3- Disease scores were recorded on 0-9 scale based on visual ratings, '0' = no disease or low severity and '9' = high disease severity

This work was supported by US Wheat and Barley Scab Initiative, MD Grain Producers Utilization Board, and Maryland Crop Improvement Association

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FACTSHEET DISEASE DATA MARYLAND BARLEY VARIETIES 2022

Company	Variety	Rows	Statewide yield Rank	FHB INDEX	DON content (ppm)
VCIA	Avalon	2row	15	8	2
VCIA	VA 15H-73(2R)	2row	7	5	3
VCIA	Marouotta	6row	3	22	3
LCS Limagrain	Fay	2row	19	12	4
VCIA	VA16M-84	2row	18	8	4
LCS Limagrain	Calypso	2row	14	18	4
LCS Limagrain	Violetta	2row	20	12	5
VCIA	Thoroughbred	6row	11	6	5
VCIA	Hirondella	6row	13	23	6
VCIA	VA16FHB-268NA	6row	9	9	8
VCIA	Flavia	6row	21	21	8
LCS Limagrain	Clementine	2row	6	40	9
VCIA	Amaze 10	6row	22	7	9
VCIA	Secretariat	6row	17	8	12
VCIA	Nomini	6row	5	17	12
UMD	MDB21-781	6row	1	n.t.	n.t.
UMD	MDB21-283	6row	2	n.t.	n.t.
UMD	MDB-EF-21	6row	4	n.t.	n.t.
UMD	MDB21-932	6row	8	n.t.	n.t.
UMD	MDB21-682-SD	6row	10	n.t.	n.t.
UMD	MDB21-627-SD	6row	12	n.t.	n.t.
UMD	MDB21-518-DW	6row	16	n.t.	n.t.

Notes:

- 1- FHB index and DON content are from artificially inoculated misted nursery, so the values may be higher than farmers' fields
- 2- Entries have been sorted according to their DON content
- 3- n.t.= Not tested in the misted nursery

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