FACTSHEET 2024- 2025 MARYLAND STATEWIDE WHEAT YIELD TRIAL RESULTS

			Statewide Average				Wye				Beltsville				Poplar Hill				ClarksVille			
#	Brand	Variety	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)	Rank	Yield (% mean)	Yield (bu/A)	Test Weight (lbs)
1	KWS Cereals USA	KWS623	**1**	112.0	**119.9**	49.5	3	123.6	**141.5**	57.9	19	108.3	**117.3**	38.3	14	106.7	**110.3**	54.3	19	113.3	**110.5**	47.4
2	UMD	MDW148†	**2**	111.2	**119.1**	53.0	40	101.1	**115.7**	54.4	3	123.7	**134.0**	48.8	25	104.0	**107.6**	55.8	#	#	#	#
3	UMD	MD-FHB-MAS02-9-4	**3**	109.9	**117.7**	49.0	1	137.4	**157.2**	54.6	72	92.9	**100.6**	46.3	29	103.7	**107.2**	51.6	24	108.4	**105.7**	43.7
4	KWS Cereals USA	KWS579	**4**	109.1	**116.9**	51.7	4	119.3	**136.5**	56.0	43	101.6	**110.1**	48.6	28	103.8	**107.4**	54.2	14	116.4	**113.5**	47.9
5	KWS Cereals USA	KWS585	**5**	108.6	**116.3**	53.2	10	110.1	**126.0**	58.6	8	112.3	**121.6**	55.1	1	117.3	**121.3**	57.5	55	98.6	96.2	41.3
6	Nutrien	9593	**6**	107.9	**115.6**	50.0	48	99.7	**114.1**	57.4	17	108.4	**117.3**	38.1	15	106.2	**109.8**	52.8	5	124.2	**121.1**	51.6
7	USG	3472	**7**	107.7	**115.3**	50.7	2	124.1	**142.0**	54.7	28	105.7	**114.5**	52.1	72	96.8	**100.1**	51.2	28	107.2	**104.5**	45.0
8	USG	3673	**8**	107.1	**114.7**	50.3	30	103.0	**117.9**	57.3	12	109.7	**118.8**	43.2	18	105.9	**109.5**	53.1	16	115.3	**112.4**	47.8
9	KWS Cereals USA	KWS571	**9**	107.1	**114.7**	52.5	11	109.4	**125.3**	58.3	7	114.5	**124.0**	55.8	8	109.4	**113.1**	54.5	54	98.7	96.2	41.3
10	Virginia Tech	18VTK10-72	**10**	107.0	**114.5**	51.8	18	107.3	**122.8**	58.5	75	92.0	99.7	41.2	19	105.8	**109.4**	55.0	1	129.4	**126.2**	52.4
11	UMD	MDW_195-5	**11**	106.8	**114.3**	52.3	24	104.8	**120.0**	58.1	6	114.9	124.5	51.1	79	95.1	98.3	51.1	12	117.4	**114.4**	48.8
12	UMD	MDDH23-35	**12**	106.7	**114.3**	53.8	71	95.5	**109.3**	58.6	4	120.8	130.8	59.3	73	96.5	99.8	50.8	7	120.1	**117.1**	46.4
13	UMD	MD-FHB-MAS04-10-2	**13**	106.2	**113.8**	46.3	62	97.5	**111.6**	54.8	1	134.0	145.1	39.0	75	96.2	**99.5**	49.0	46	101.4	98.8	42.3
14	USG	3755	**14**	105.8	**113.3**	51.7	12	109.0	**124.8**	56.1	48	100.4	108.8	49.7	66	97.5	**100.8**	51.4	6	121.8	**118.7**	49.6
15	USG	3363	**15**	105.6	**113.1**	52.0	29	103.5	**118.4**	56.8	33	104.5	113.1	51.9	4	110.9	**114.6**	54.1	23	108.8	**106.0**	45.2
16	AgriMAXX	543	**16**	105.5	**112.9**	51.3	22	105.3	**120.5**	56.6	13	109.3	118.4	49.7	84	94.2	97.4	49.8	10	118.4	**115.5**	49.0
17	Virginia Tech	19VDH-FHB-MAS05-27	**17**	105.4	**112.9**	51.4	19	106.7	**122.2**	57.6	80	88.9	96.3	43.8	2	116.5	**120.5**	57.2	15	115.4	**112.5**	47.2
18	Helena	GP 543	**18**	105.3	**112.8**	51.6	16	107.7	**123.2**	56.5	20	107.8	116.7	52.5	23	104.9	**108.5**	53.9	37	105.2	**102.5**	43.6
19	Albert Lee Seed	Blue River 844†	**19**	105.1	**112.5**	55.0	36	101.9	**116.6**	58.0	10	112.0	121.3	55.6	74	96.4	**99.7**	51.4	#	#	#	#
20	AgriMAXX	525	**20**	105.0	**112.4**	52.6	50	99.1	**113.4**	57.4	45	101.1	109.5	50.3	3	111.6	**115.4**	56.1	17	114.1	**111.3**	46.5
21	UMD	MDW-16-463-6	**21**	104.7	**112.1**	47.4	89	87.1	99.7	35.3	36	103.1	111.6	51.0	9	108.9	**112.6**	52.4	2	127.7	**124.5**	51.1
22	AgriMAXX	EXP 2410	**22**	104.0	**111.3**	52.1	54	98.4	**112.7**	58.3	37	102.6	111.2	50.6	32	102.6	**106.1**	53.3	11	118.4	**115.4**	46.2
23	Mid-Atlantic Seeds	MAS #252	**23**	103.5	**110.8**	46.1	7	114.1	**130.6**	54.9	51	99.6	107.9	34.9	13	107.5	**111.1**	54.5	67	95.9	93.5	40.2
24	KWS Cereals USA	KWS578	**24**	103.2	**110.5**	52.5	37	101.8	**116.5**	57.9	65	96.0	104.0	48.1	35	101.8	**105.3**	54.0	9	119.1	**116.1**	50.0
25	UMD	MD-FHB-MAS03-29-2	**25**	103.1	**110.4**	48.3	23	104.8	**120.0**	56.7	2	126.3	136.8	48.7	78	95.3	98.5	51.2	81	88.6	86.4	36.7
26	Helena	MBX EXP 334	**26**	103.1	**110.4**	50.0	20	105.8	**121.1**	54.4	61	97.5	105.6	48.4	61	97.9	**101.2**	51.6	13	116.5	**113.6**	45.5
27	Mid-Atlantic Seeds	MAS #226	**27**	102.7	**109.9**	51.3	49	99.2	**113.6**	57.6	64	96.2	104.2	45.8	34	102.2	**105.7**	53.7	8	119.2	**116.3**	47.8
28	KWS Cereals USA	KWS625	**28**	102.2	**109.5**	46.3	79	93.4	**106.9**	55.7	82	87.6	94.9	28.0	5	110.5	**114.3**	57.0	4	124.9	**121.8**	44.4
29	Mid-Atlantic Seeds	MAS #67	**29**	102.2	**109.4**	51.7	38	101.6	**116.3**	57.2	21	107.7	116.6	53.5	81	94.8	98.1	50.3	22	109.4	**106.7**	45.6
30	AgriMAXX	513†	**30**	102.1	**109.3**	53.5	43	100.4	**114.9**	57.2	24	106.3	115.1	52.3	82	94.6	97.8	50.9	#	#	#	#
31	UMD	MDW58	**31**	102.0	**109.2**	48.2	67	96.8	**110.8**	57.6	5	116.0	125.7	45.3	63	97.9	**101.2**	51.2	43	101.9	99.3	38.9
32	AgriMAXX	553	**32**	101.8	**109.0**	50.6	14	108.5	**124.2**	56.2	29	105.7	114.5	52.5	64	97.7	101.0	52.5	52	98.9	96.4	41.3
33	AgriMAXX	545	**33**	101.8	**109.0**	51.5	61	97.5	**111.6**	57.2	14	109.2	118.3	52.8	54	99.0	**102.3**	51.6	32	106.3	**103.7**	44.4
34	Nutrien	9612	**34**	101.8	**109.0**	50.8	26	104.6	**119.7**	55.8	49	100.4	108.7	49.4	16	106.2	**109.8**	56.2	49	100.1	97.6	41.9
35	Virginia Tech	VA20FHB-18	**35**	101.7	**108.9**	52.6	8	113.3	**129.7**	57.3	38	102.6	111.1	51.1	43	101.1	**104.5**	51.9	72	92.7	90.4	50.3
36	GROWMARK INC	FS 748	**36**	101.5	**108.7**	51.6	51	98.7	**113.0**	57.5	86	85.6	92.8	42.5	41	101.3	**104.7**	53.8	3	127.6	**124.4**	52.4
37	USG	3354	**37**	101.5	**108.6**	50.0	9	111.8	**127.9**	55.4	44	101.1	109.5	53.9	52	99.5	**102.9**	53.7	64	96.7	94.2	37.0
38	Mid-Atlantic Seeds	MAS #205	**38**	101.3	**108.4**	51.6	75	94.6	**108.3**	58.3	31	105.0	113.7	52.1	10	108.5	**112.1**	53.0	42	102.2	**99.6**	43.0
39	USG	3875	**39**	101.1	**108.2**	49.7	64	97.4	**111.4**	57.9	47	100.7	109.1	50.3	51	99.5	**102.9**	49.2	20	112.3	**109.5**	41.5
40	AgriMAXX	516	**40**	100.9	**108.0**	51.0	39	101.2	**115.8**	57.6	55	98.3	106.4	48.3	38	101.4	**104.9**	52.9	25	107.7	**105.0**	45.0
41	Mid-Atlantic Seeds	MAS #133	**41**	100.8	**107.9**	49.4	57	98.2	**112.4**	53.8	22	107.0	115.9	52.8	57	98.4	**101.7**	52.3	39	104.3	**101.7**	38.6
42	UMD	MD-FHB-MAS03-29	**42**	100.8	**107.9**	50.8	56	98.3	**112.5**	56.3	18	108.3	117.3	53.4	53	99.3	**102.6**	52.4	45	101.7	99.1	41.1
43	UMD	MDW_447-3	**43**	100.7	**107.8**	50.2	47	99.9	**114.3**	57.2	25	106.2	115.0	53.2	27	103.9	**107.5**	52.7	60	96.9	94.5	37.6
44	AgriMAXX	505	**44**	100.7	**107.8**	51.5	69	96.5	**110.4**	56.4	35	103.1	111.7	51.4	37	101.7	**105.1**	54.0	30	106.5	**103.9**	44.2
45	USG	Exp 3246	**45**	100.3	**107.4**	50.8	27	104.0	**119.0**	58.2	41	102.1	110.6	51.0	36	101.8	**105.2**	53.5	58	97.1	94.7	40.6

			Statewide Average				Wye				Beltsville				Poplar Hill				ClarksVille			
S. No	Brand	Variety	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)	Rank	Yield (% mean)	Yield (bu/A)	Test Weight (lbs)
46	Helena	MBX 127	**46**	100.1	**107.2**	50.0	35	102.0	**116.7**	56.7	71	93.0	**100.8**	43.6	67	97.5	**100.8**	52.1	18	113.4	**110.5**	47.5
47	GROWMARK INC	FS 749	**47**	99.8	**106.9**	50.2	78	93.4	**106.9**	57.7	62	97.3	**105.4**	48.1	11	108.1	**111.8**	52.0	34	106.0	**103.3**	43.2
48	UMD	19MD16-463-12	**48**	99.7	**106.8**	43.4	55	98.3	**112.5**	54.5	15	109.2	**118.3**	30.3	24	104.6	**108.1**	52.8	77	90.4	88.2	36.0
49	Virginia Tech	VT Pitman	**49**	99.5	**106.6**	48.1	6	116.5	**133.3**	57.4	85	86.4	93.6	41.2	90	92.7	95.9	49.3	33	106.2	**103.6**	44.4
50	Mid-Atlantic Seeds	MAS #190	**50**	99.0	**106.1**	48.4	32	102.9	**117.7**	56.4	9	112.1	**121.4**	49.0	76	95.4	98.6	51.1	80	88.7	86.5	37.1
51	Nutrien	9632	**51**	98.9	**105.9**	47.7	5	118.2	**135.3**	57.3	81	88.0	95.4	38.9	26	104.0	**107.5**	53.0	83	87.6	85.5	41.8
52	USG	3352	**52**	98.8	**105.8**	50.2	68	96.7	**110.7**	58.8	70	94.0	**101.8**	46.9	6	110.4	**114.2**	54.1	53	98.8	96.4	41.0
53	Seedway	SW 665	**53**	98.8	**105.7**	48.3	13	109.0	**124.7**	56.7	66	95.6	**103.5**	46.0	69	97.4	**100.7**	50.4	65	96.4	94.0	40.3
54	Nutrien	9151	**54**	98.6	**105.5**	49.7	31	102.9	**117.8**	58.5	68	94.7	**102.6**	45.9	85	94.1	97.3	50.0	29	107.2	**104.5**	44.5
55	Helena	MBX 360	**55**	98.4	**105.3**	49.4	52	98.7	**113.0**	56.1	57	97.9	**106.0**	47.1	42	101.2	**104.7**	52.9	48	100.2	97.7	41.6
56	UMD	MD-FHB-MAS11-10-4	**56**	98.4	**105.3**	50.3	85	90.5	**103.6**	56.1	26	106.1	**114.9**	53.1	33	102.6	**106.1**	52.6	51	99.2	96.7	39.3
57	UMD	19MD_447-4	**57**	98.3	**105.2**	46.9	46	100.0	**114.4**	56.8	16	109.0	**118.0**	45.6	83	94.3	97.5	49.6	69	93.3	91.0	35.7
58	Southern Harvest	SH5123	**58**	98.2	**105.2**	47.3	42	100.6	**115.1**	54.3	30	105.5	**114.3**	45.3	65	97.7	**101.0**	52.5	73	92.5	90.2	37.2
59	USG	3234	**59**	97.9	**104.8**	46.4	65	97.1	**111.2**	57.4	52	99.5	**107.8**	33.3	88	93.5	96.7	50.4	31	106.4	**103.7**	44.3
60	UMD	MD-FHB-MAS08-11-3	**60**	97.8	**104.7**	49.3	28	103.5	**118.4**	58.0	34	103.6	**112.2**	50.9	80	95.0	98.3	49.5	74	92.3	90.0	38.8
61	Seedway	SW 648	**61**	97.8	**104.7**	46.2	63	97.4	**111.5**	56.7	53	99.4	**107.6**	33.4	40	101.3	**104.7**	54.2	57	97.3	94.9	40.4
62	Nutrien	9533	**62**	97.5	**104.4**	49.3	72	95.2	**109.0**	56.3	27	105.9	**114.7**	52.1	30	103.4	**106.9**	51.7	78	89.3	87.1	37.1
63	Helena	MBX 413	**63**	97.4	**104.2**	50.3	34	102.5	**117.4**	55.9	77	91.2	98.7	45.3	31	102.9	**106.4**	55.0	62	96.9	94.5	45.1
64	Nutrien	9570	**64**	97.3	**104.1**	47.5	70	95.8	**109.7**	56.4	84	86.9	94.1	36.5	17	106.1	**109.7**	53.9	35	105.8	**103.2**	43.2
65	Seedway	SW 541	**65**	97.3	**104.1**	45.7	66	96.8	**110.8**	53.5	67	94.9	**102.8**	33.5	58	98.3	**101.7**	52.4	40	103.9	**101.3**	43.3
66	USG	3556	**66**	97.2	**104.1**	48.2	84	91.0	**104.1**	54.7	54	99.1	**107.4**	42.6	56	98.5	**101.9**	52.0	36	105.5	**102.9**	43.4
67	Nutrien	9172	**67**	97.2	**104.0**	49.4	41	100.9	**115.5**	58.0	63	97.2	**105.2**	48.3	89	92.9	96.1	48.7	44	101.8	**99.3**	42.4
68	GROWMARK INC	FS 745	**68**	97.1	**104.0**	49.1	77	94.0	**107.6**	57.6	69	94.7	**102.5**	46.7	45	100.7	**104.2**	52.7	38	104.4	**101.7**	39.4
69	UMD	19MD_1-9-6	**69**	96.8	**103.6**	45.8	80	93.2	**106.7**	58.9	87	85.1	92.1	32.1	21	105.2	**108.8**	49.3	21	109.6	**106.9**	43.0
70	Southern Harvest	SH7200	**70**	96.6	**103.4**	44.0	60	97.7	**111.9**	37.6	56	98.1	**106.3**	48.6	46	100.6	**104.0**	50.7	68	94.0	91.6	39.1
71	Mid-Atlantic Seeds	MAS #155	**71**	96.6	**103.4**	49.8	83	92.8	**106.3**	56.1	78	90.2	97.7	44.9	39	101.4	**104.8**	54.1	27	107.4	**104.7**	44.3
72	Nutrien	9290	**72**	96.5	**103.3**	49.3	76	94.3	**107.9**	56.7	32	104.8	**113.5**	49.9	86	93.9	97.1	50.4	59	97.1	94.7	40.3
73	Nutrien	9231	**73**	96.4	**103.2**	49.7	44	100.3	**114.8**	56.0	39	102.4	**110.9**	50.1	60	98.0	**101.3**	52.7	82	88.1	85.9	40.1
74	UMD	19MD_1-9-37	**74**	96.3	**103.2**	42.1	73	95.0	**108.8**	37.8	76	92.0	99.6	37.8	44	100.8	**104.3**	51.0	41	102.5	**100.0**	41.7
75	Helena	MBX EXP 494	**75**	96.3	**103.1**	49.6	74	94.9	**108.6**	56.3	60	97.8	**105.9**	48.3	47	100.1	**103.5**	53.5	63	96.7	94.3	40.4
76	Southern Harvest	SH9520	**76**	96.3	**103.1**	48.3	25	104.8	**119.9**	58.7	58	97.9	**106.0**	47.4	91	87.6	90.6	46.1	56	98.4	95.9	41.1
77	UMD	MD_VT_FHB-MAS13-15	**77**	96.2	**103.0**	49.3	45	100.0	**114.5**	54.2	23	106.6	**115.5**	52.8	68	97.5	**100.8**	52.3	85	83.2	81.2	37.9
78	UMD	MDW_4-98-16	**78**	96.0	**102.8**	45.0	86	89.1	102.0	38.5	46	100.9	**109.2**	49.5	20	105.7	**109.3**	52.5	71	92.8	90.4	39.7
79	UMD	MD-FHB-MAS15-20	**79**	95.6	**102.4**	47.5	17	107.4	**123.0**	55.1	73	92.8	**100.5**	46.0	49	99.7	**103.1**	53.3	84	85.0	82.9	35.6
80	Nutrien	9422	**80**	95.5	**102.2**	45.5	87	88.3	101.0	38.1	11	109.9	**119.0**	53.7	22	105.0	**108.6**	53.2	86	82.2	80.1	37.1
81	UMD	MDW107	**81**	94.8	**101.5**	48.5	90	84.8	97.1	58.5	50	100.0	**108.3**	46.2	7	110.1	**113.8**	54.1	79	89.0	86.8	35.2
82	GROWMARK INC	FS 747	**82**	94.5	101.2	47.6	53	98.6	**112.9**	56.6	89	77.2	83.7	36.7	48	100.1	**103.5**	52.4	26	107.5	**104.8**	44.9
83	AgriMAXX	EXP 2430	**83**	94.5	101.2	46.8	81	93.1	**106.5**	55.7	40	102.4	**110.9**	47.5	87	93.6	96.8	50.0	70	92.9	90.6	34.2
84	Nutrien	9393	**84**	94.3	101.0	47.2	15	108.4	**124.0**	58.1	91	73.9	80.0	36.6	55	98.9	**102.3**	52.5	47	100.2	97.7	41.7
85	Mid-Atlantic Seeds	MAS #316	**85**	94.2	100.8	47.1	21	105.6	**120.9**	56.4	88	80.6	87.3	39.7	70	97.3	**100.6**	51.9	61	96.9	94.5	40.6
86	Southern Harvest	SH4222	**86**	93.6	100.2	45.1	82	92.9	**106.4**	57.9	79	90.1	97.6	34.0	50	99.6	**103.0**	50.8	66	96.4	94.0	37.9
87	USG	3661	**87**	93.5	100.1	46.8	58	97.8	**112.0**	52.2	42	102.1	110.6	50.8	71	97.0	**100.3**	51.5	87	79.5	77.5	32.6
88	Mid-Atlantic Seeds	MAS #139	**88**	93.1	99.7	46.0	59	97.8	**112.0**	55.8	74	92.2	99.9	39.4	77	95.3	98.6	51.4	76	90.6	88.3	37.3
89	Mid-Atlantic Seeds	MAS #106	**89**	92.7	99.2	48.5	91	82.1	94.0	57.3	83	86.9	94.1	43.1	12	107.6	**111.3**	52.0	50	99.9	97.4	41.8
90	Mid-Atlantic Seeds	MAS #86	**90**	91.0	97.4	46.8	33	102.7	**117.6**	57.9	90	75.7	82.0	40.0	62	97.9	**101.2**	51.3	75	91.1	88.9	38.1
91	Mid-Atlantic Seeds	MAS #2	**91**	89.0	95.3	48.5	88	87.6	100.3	58.8	59	97.8	106.0	47.8	59	98.1	**101.4**	49.0	88	75.6	73.7	38.5
			Mean		122.4	60.4			146.4	62.4			113.5	56.5			107.9	62.3			100.0	42.4
			CV (%)		18.9	6.8			13.3	7.1			10.4	1.7			11.3	4.0			7.1	9.2
			LSD (0.05)		21.3	7.3			23.7	6.9			15.8	4.5			14.9	8.2			14.5	19.2

#= Missing Entry from Clarksville

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

Bold values indicate Bold values indicate no significant difference from top ranked entry

Team

Post Docs	**Graduate Students**	**Undergraduate Students**	**Tech. Supervisor**
Dr. Parva Sharma	Mrs. Arielis Morales-Salva	Ms. Emma Price	Mr. Michael Drechsler
Dr. Adam Schoen	Mr. Bhavit Chhabra	Ms. Olivia Virginia Henshaw-Black	
	Mr. Carl Paulson	Ms. Elliot Mackoy	
	Mr. Ian Moot	Mr. Ryan Frist	
Dr. Vijay Tiwari	Mr. Sydney Wallace	Mr. Eddie Haag	
Dr. Nidhi Rawat			

More information can be found at: https://psla.umd.edu/extension/md-crops/small-grains-maryland

	Wheat variety trial data from individual testing locations across the Maryland (2024-2025)																			
S. No	Variety	Rank	Yield (% mean)	Yield (bu/A)	Test Weight (lbs)	Variety	Rank	Yield (% mean)	Yield (bu/A)	Test Weight (lbs)	Variety	Rank	Yield (% mean)	Yield (bu/A)	Test Weight (lbs)	Variety	Rank	Yield (% mean)	Yield (bu/A)	Test Weight (lbs)
1	MD-FHB-MAS02-9-4	1	137.4	157.2	54.6	MD-FHB-MAS04-10-2	1	134.0	145.1	39.0	KWS585	1	117.3	121.3	57.5	18VTK10-72	1	129.4	126.2	52.4
2	3472	2	124.1	142.0	54.7	MD-FHB-MAS03-29-2	2	126.3	136.8	48.7	19VDH-FHB-MAS05-2	2	116.5	120.5	57.2	MDW-16-463-6	2	127.7	124.5	51.1
3	KWS623	3	123.6	141.5	57.9	MDW148	3	123.7	134.0	48.8	525	3	111.6	115.4	56.1	FS 748	3	127.6	124.4	52.4
4	AM2410	4	119.3	136.5	56.0	MDDH23-35	4	120.8	130.8	59.3	3363	4	110.9	114.6	54.1	KWS625	4	124.9	121.8	44.4
5	9632	5	118.2	135.3	57.3	MDW58	5	116.0	125.7	45.3	KWS625	5	110.5	114.3	57.0	9593	5	124.2	121.1	51.6
6	VT Pitman	6	116.5	133.3	57.4	MDW_195-5	6	114.9	124.5	51.1	3352	6	110.4	114.2	54.1	3755	6	121.8	118.7	49.6
7	MAS #252	7	114.1	130.6	54.9	KWS571	7	114.5	124.0	55.8	MDW107	7	110.1	113.8	54.1	MDDH23-35	7	120.1	117.1	46.4
8	VA20FHB-18	8	113.3	129.7	57.3	KWS585	8	112.3	121.6	55.1	KWS571	8	109.4	113.1	54.5	MAS #226	8	119.2	116.3	47.8
9	3354	9	111.8	127.9	55.4	MAS #190	9	112.1	121.4	49.0	MDW-16-463-6	9	108.9	112.6	52.4	KWS578	9	119.1	116.1	50.0
10	KWS585	10	110.1	126.0	58.6	Blue River 844	10	112.0	121.3	55.6	MAS #205	10	108.5	112.1	53.0	543	10	118.4	115.5	49.0
11	KWS571	11	109.4	125.3	58.3	9422	11	109.9	119.0	53.7	FS 749	11	108.1	111.8	52.0	EXP 2410	11	118.4	115.4	46.2
12	3755	12	109.0	124.8	56.1	3673	12	109.7	118.8	43.2	MAS #106	12	107.6	111.3	52.0	MDW_195-5	12	117.4	114.4	48.8
13	SW 665	13	109.0	124.7	56.7	543	13	109.3	118.4	49.7	MAS #252	13	107.5	111.1	54.5	MBX EXP 334	13	116.5	113.6	45.5
14	553	14	108.5	124.2	56.2	545	14	109.2	118.3	52.8	KWS623	14	106.7	110.3	54.3	KWS579	14	116.4	113.5	47.9
15	9393	15	108.4	124.0	58.1	19MD16-463-12	15	109.2	118.3	30.3	9593	15	106.2	109.8	52.8	19VDH-FHB-MAS05-27	15	115.4	112.5	47.2
16	GP 543	16	107.7	123.2	56.5	19MD_447-4	16	109.0	118.0	45.6	9612	16	106.2	109.8	56.2	3673	16	115.3	112.4	47.8
17	MD-FHB-MAS15-20	17	107.4	123.0	55.1	9593	17	108.4	117.3	38.1	9570	17	106.1	109.7	53.9	525	17	114.1	111.3	46.5
18	18VTK10-72	18	107.3	122.8	58.5	MD-FHB-MAS03-29	18	108.3	117.3	53.4	3673	18	105.9	109.5	53.1	MBX 127	18	113.4	110.5	47.5
19	19VDH-FHB-MAS05-27	19	106.7	122.2	57.6	KWS623	19	108.3	117.3	38.3	18VTK10-72	19	105.8	109.4	55.0	KWS623	19	113.3	110.5	47.4
20	MBX EXP 334	20	105.8	121.1	54.4	GP 543	20	107.8	116.7	52.5	MDW_4-98-16	20	105.7	109.3	52.5	3875	20	112.3	109.5	41.5
21	MAS #316	21	105.6	120.9	56.4	MAS #67	21	107.7	116.6	53.5	19MD_1-9-6	21	105.2	108.8	49.3	19MD_1-9-6	21	109.6	106.9	43.0
22	543	22	105.3	120.5	56.6	MAS #133	22	107.0	115.9	52.8	9422	22	105.0	108.6	53.2	MAS #67	22	109.4	106.7	45.6
23	MD-FHB-MAS03-29-2	23	104.8	120.0	56.7	MD_VT_FHB-MAS13-15	23	106.6	115.5	52.8	GP 543	23	104.9	108.5	53.9	3363	23	108.8	106.0	45.2
24	MDW_195-5	24	104.8	120.0	58.1	513	24	106.3	115.1	52.3	19MD16-463-12	24	104.6	108.1	52.8	MD-FHB-MAS02-9-4	24	108.4	105.7	43.7
25	SH9520	25	104.8	119.9	58.7	MDW_447-3	25	106.2	115.0	53.2	MDW148	25	104.0	107.6	55.8	516	25	107.7	105.0	45.0
26	9612	26	104.6	119.7	55.8	MD-FHB-MAS11-10-4	26	106.1	114.9	53.1	9632	26	104.0	107.5	53.0	FS 747	26	107.5	104.8	44.9
27	Exp 3246	27	104.0	119.0	58.2	9533	27	105.9	114.7	52.1	MDW_447-3	27	103.9	107.5	52.7	MAS #155	27	107.4	104.7	44.3
28	MD-FHB-MAS08-11-3	28	103.5	118.4	58.0	3472	28	105.7	114.5	52.1	KWS579	28	103.8	107.4	54.2	3472	28	107.2	104.5	45.0
29	3363	29	103.5	118.4	56.8	553	29	105.7	114.5	52.5	MD-FHB-MAS02-9-4	29	103.7	107.2	51.6	9151	29	107.2	104.5	44.5
30	3673	30	103.0	117.9	57.3	SH5123	30	105.5	114.3	45.3	9533	30	103.4	106.9	51.7	505	30	106.5	103.9	44.2
31	9151	31	102.9	117.8	58.5	MAS #205	31	105.0	113.7	52.1	MBX 413	31	102.9	106.4	55.0	3234	31	106.4	103.7	44.3
32	MAS #190	32	102.9	117.7	56.4	9290	32	104.8	113.5	49.9	EXP 2410	32	102.6	106.1	53.3	545	32	106.3	103.7	44.4
33	MAS #86	33	102.7	117.6	57.9	3363	33	104.5	113.1	51.9	MD-FHB-MAS11-10-4	33	102.6	106.1	52.6	VT Pitman	33	106.2	103.6	44.4
34	MBX 413	34	102.5	117.4	55.9	MD-FHB-MAS08-11-3	34	103.6	112.2	50.9	MAS #226	34	102.2	105.7	53.7	FS 749	34	106.0	103.3	43.2
35	MBX 127	35	102.0	116.7	56.7	505	35	103.1	111.7	51.4	KWS578	35	101.8	105.3	54.0	9570	35	105.8	103.2	43.2
36	Blue River 844	36	101.9	116.6	58.0	MDW-16-463-6	36	103.1	111.6	51.0	Exp 3246	36	101.8	105.2	53.5	3556	36	105.5	102.9	43.4
37	KWS578	37	101.8	116.5	57.9	EXP 2410	37	102.6	111.2	50.6	505	37	101.7	105.1	54.0	GP 543	37	105.2	102.5	43.6
38	MAS #67	38	101.6	116.3	57.2	VA20FHB-18	38	102.6	111.1	51.1	516	38	101.4	104.9	52.9	FS 745	38	104.4	101.7	39.4
39	516	39	101.2	115.8	57.6	9231	39	102.4	110.9	50.1	MAS #155	39	101.4	104.8	54.1	MAS #133	39	104.3	101.7	38.6
40	MDW148	40	101.1	115.7	54.4	EXP 2430	40	102.4	110.9	47.5	SW 648	40	101.3	104.7	54.2	SW 541	40	103.9	101.3	43.3
41	9172	41	100.9	115.5	58.0	Exp 3246	41	102.1	110.6	51.0	FS 748	41	101.3	104.7	53.8	19MD_1-9-37	41	102.5	100.0	41.7
42	SH5123	42	100.6	115.1	54.3	3661	42	102.1	110.6	50.8	MBX 360	42	101.2	104.7	52.9	MAS #205	42	102.2	99.6	43.0
43	513	43	100.4	114.9	57.2	KWS579	43	101.6	110.1	48.6	VA20FHB-18	43	101.1	104.5	51.9	MDW58	43	101.9	99.3	38.9
44	9231	44	100.3	114.8	56.0	3354	44	101.1	109.5	53.9	19MD_1-9-37	44	100.8	104.3	51.0	9172	44	101.8	99.3	42.4
45	MD_VT_FHB-MAS13-15	45	100.0	114.5	54.2	525	45	101.1	109.5	50.3	FS 745	45	100.7	104.2	52.7	MD-FHB-MAS03-29	45	101.7	99.1	41.1
46	19MD_447-4	46	100.0	114.4	56.8	MDW_4-98-16	46	100.9	109.2	49.5	SH7200	46	100.6	104.0	50.7	MD-FHB-MAS04-10-2	46	101.4	98.8	42.3
47	MDW_447-3	47	99.9	114.3	57.2	3875	47	100.7	109.1	50.3	MBX EXP 494	47	100.1	103.5	53.5	9393.0	47	100.2	97.7	41.7
48	9593	48	99.7	114.1	57.4	3755	48	100.4	108.8	49.7	FS 747	48	100.1	103.5	52.4	MBX 360	48	100.2	97.7	41.6

S. No	Variety	Rank	Yield (% mean)	Yield (bu/A)	Test Weight (lbs)	Variety	Rank	Yield (% mean)	Yield (bu/A)	Test Weight (lbs)	Variety	Rank	Yield (% mean)	Yield (bu/A)	Test Weight (lbs)	Variety	Rank	Yield (% mean)	Yield (bu/A)	Test Weight (lbs)
49	MAS #226	49	99.2	113.6	57.6	9612	49	100.4	108.7	49.4	MD-FHB-MAS15-20	49	99.7	103.1	53.3	9612	49	100.1	97.6	41.9
50	525	50	99.1	113.4	57.4	MDW107	50	100.0	108.3	46.2	SH4222	50	99.6	103.0	50.8	MAS #106	50	99.9	97.4	41.8
51	FS 748	51	98.7	113.0	57.5	MAS #252	51	99.6	107.9	34.9	3875	51	99.5	102.9	49.2	MD-FHB-MAS11-10-4	51	99.2	96.7	39.3
52	MBX 360	52	98.7	113.0	56.1	3234	52	99.5	107.8	33.3	3354	52	99.5	102.9	53.7	553	52	98.9	96.4	41.3
53	FS 747	53	98.6	112.9	56.6	SW 648	53	99.4	107.6	33.4	MD-FHB-MAS03-29	53	99.3	102.6	52.4	3352	53	98.8	96.4	41.0
54	EXP 2410	54	98.4	112.7	58.3	3556	54	99.1	107.4	42.6	545	54	99.0	102.3	51.6	KWS571	54	98.7	96.2	41.3
55	19MD16-463-12	55	98.3	112.5	54.5	516	55	98.3	106.4	48.3	9393.0	55	98.9	102.3	52.5	KWS585	55	98.6	96.2	41.3
56	MD-FHB-MAS03-29	56	98.3	112.5	56.3	SH7200	56	98.1	106.3	48.6	3556	56	98.5	101.9	52.0	SH9520	56	98.4	95.9	41.1
57	MAS #133	57	98.2	112.4	53.8	MBX 360	57	97.9	106.0	47.1	MAS #133	57	98.4	101.7	52.3	SW 648	57	97.3	94.9	40.4
58	3661	58	97.8	112.0	52.2	SH9520	58	97.9	106.0	47.4	SW 541	58	98.3	101.7	52.4	Exp 3246	58	97.1	94.7	40.6
59	MAS #139	59	97.8	112.0	55.8	MAS #2	59	97.8	106.0	47.8	MAS #2	59	98.1	101.4	49.0	9290	59	97.1	94.7	40.3
60	SH7200	60	97.7	111.9	37.6	MBX EXP 494	60	97.8	105.9	48.3	9231	60	98.0	101.3	52.7	MDW_447-3	60	96.9	94.5	37.6
61	545	61	97.5	111.6	57.2	MBX EXP 334	61	97.5	105.6	48.4	MBX EXP 334	61	97.9	101.2	51.6	MAS #316	61	96.9	94.5	40.6
62	MD-FHB-MAS04-10-2	62	97.5	111.6	54.8	FS 749	62	97.3	105.4	48.1	MAS #86	62	97.9	101.2	51.3	MBX 413	62	96.9	94.5	45.1
63	SW 648	63	97.4	111.5	56.7	9172	63	97.2	105.2	48.3	MDW58	63	97.9	101.2	51.2	MBX EXP 494	63	96.7	94.3	40.4
64	3875	64	97.4	111.4	57.9	MAS #226	64	96.2	104.2	45.8	553	64	97.7	101.0	52.5	3354	64	96.7	94.2	37.0
65	3234	65	97.1	111.2	57.4	KWS578	65	96.0	104.0	48.1	SH5123	65	97.7	101.0	52.5	SW 665	65	96.4	94.0	40.3
66	SW 541	66	96.8	110.8	53.5	SW 665	66	95.6	103.5	46.0	3755	66	97.5	100.8	51.4	SH4222	66	96.4	94.0	37.9
67	MDW58	67	96.8	110.8	57.6	SW 541	67	94.9	102.8	33.5	MBX 127	67	97.5	100.8	52.1	MAS #252	67	95.9	93.5	40.2
68	3352	68	96.7	110.7	58.8	9151	68	94.7	102.6	45.9	MD_VT_FHB-MAS13	68	97.5	100.8	52.3	SH7200	68	94.0	91.6	39.1
69	505	69	96.5	110.4	56.4	FS 745	69	94.7	102.5	46.7	SW 665	69	97.4	100.7	50.4	19MD_447-4	69	93.3	91.0	35.7
70	9570	70	95.8	109.7	56.4	3352	70	94.0	101.8	46.9	MAS #316	70	97.3	100.6	51.9	EXP 2430	70	92.9	90.6	34.2
71	MDDH23-35	71	95.5	109.3	58.6	MBX 127	71	93.0	100.8	43.6	3661	71	97.0	100.3	51.5	MDW_4-98-16	71	92.8	90.4	39.7
72	9533	72	95.2	109.0	56.3	MD-FHB-MAS02-9-4	72	92.9	100.6	46.3	3472	72	96.8	100.1	51.2	VA20FHB-18	72	92.7	90.4	50.3
73	19MD_1-9-37	73	95.0	108.8	37.8	MD-FHB-MAS15-20	73	92.8	100.5	46.0	MDDH23-35	73	96.5	99.8	50.8	SH5123	73	92.5	90.2	37.2
74	MBX EXP 494	74	94.9	108.6	56.3	MAS #139	74	92.2	99.9	39.4	Blue River 844	74	96.4	99.7	51.4	MD-FHB-MAS08-11-3	74	92.3	90.0	38.8
75	MAS #205	75	94.6	108.3	58.3	18VTK10-72	75	92.0	99.7	41.2	MD-FHB-MAS04-10-2	75	96.2	99.5	49.0	MAS #86	75	91.1	88.9	38.1
76	9290	76	94.3	107.9	56.7	19MD_1-9-37	76	92.0	99.6	37.8	MAS #190	76	95.4	98.6	51.1	MAS #139	76	90.6	88.3	37.3
77	FS 745	77	94.0	107.6	57.6	MBX 413	77	91.2	98.7	45.3	MAS #139	77	95.3	98.6	51.4	19MD16-463-12	77	90.4	88.2	36.0
78	FS 749	78	93.4	106.9	57.7	MAS #155	78	90.2	97.7	44.9	MD-FHB-MAS03-29-2	78	95.3	98.5	51.2	9533	78	89.3	87.1	37.1
79	KWS625	79	93.4	106.9	55.7	SH4222	79	90.1	97.6	34.0	MDW_195-5	79	95.1	98.3	51.1	MDW107	79	89.0	86.8	35.2
80	19MD_1-9-6	80	93.2	106.7	58.9	19VDH-FHB-MAS05-27	80	88.9	96.3	43.8	MD-FHB-MAS08-11-3	80	95.0	98.3	49.5	MAS #190	80	88.7	86.5	37.1
81	EXP 2430	81	93.1	106.5	55.7	9632	81	88.0	95.4	38.9	MAS #67	81	94.8	98.1	50.3	MD-FHB-MAS03-29-2	81	88.6	86.4	36.7
82	SH4222	82	92.9	106.4	57.9	KWS625	82	87.6	94.9	28.0	513	82	94.6	97.8	50.9	9231	82	88.1	85.9	40.1
83	MAS #155	83	92.8	106.3	56.1	MAS #106	83	86.9	94.1	43.1	19MD_447-4	83	94.3	97.5	49.6	9632	83	87.6	85.5	41.8
84	3556	84	91.0	104.1	54.7	9570	84	86.9	94.1	36.5	543	84	94.2	97.4	49.8	MD-FHB-MAS15-20	84	85.0	82.9	35.6
85	MD-FHB-MAS11-10-4	85	90.5	103.6	56.1	VT Pitman	85	86.4	93.6	41.2	9151	85	94.1	97.3	50.0	MD_VT_FHB-MAS13-1	85	83.2	81.2	37.9
86	MDW_4-98-16	86	89.1	102.0	38.5	FS 748	86	85.6	92.8	42.5	9290	86	93.9	97.1	50.4	9422	86	82.2	80.1	37.1
87	9422.0	87	88.3	101.0	38.1	19MD_1-9-6	87	85.1	92.1	32.1	EXP 2430	87	93.6	96.8	50.0	3661	87	79.5	77.5	32.6
88	MAS #2	88	87.6	100.3	58.8	MAS #316	88	80.6	87.3	39.7	3234	88	93.5	96.7	50.4	MAS #2	88	75.6	73.7	38.5
89	MDW-16-463-6	89	87.1	99.7	35.3	FS 747	89	77.2	83.7	36.7	9172	89	92.9	96.1	48.7	513		-	-	-
90	MDW107	90	84.8	97.1	58.5	MAS #86	90	75.7	82.0	40.0	VT Pitman	90	92.7	95.9	49.3	Blue River 844		-	-	-
91	MAS #106	91	82.1	94.0	57.3	9393	91	73.9	80.0	36.6	SH9520	91	87.6	90.6	46.1	MDW148		-	-	-
			Mean	115.8	55.7				109.0	46.4				104.5	52.3				100.2	42.4
			CV (%)	8.6	8.3				10.3	14.1				5.5	3.8				11.2	10.4

	FACTSHEET 2024-2025 MD WHEAT TRIALS: AGRONOMIC CHARACTERISTICS AND DISEASE DATA***												
#	Brand	Variety	Rank	Yield (% mean)	Yield (bu/A)	Test Weight (lbs)	Heading Date (Julian)	Powdery Mildew 0-9	Leaf Rust 0-9	Stripe Rust 0-9	FHB 0-9	GLUME BLOTCH 0-9	BYDV 0-9
1	KWS Cereals USA	KWS623	1	112.0	119.9	49.5	125	1	2	1	4	0	0
2	UMD	MDW148	2	111.2	119.1	53.0	125	5	1	1	3	0	0
3	UMD	MD-FHB-MAS02-9-4	3	109.9	117.7	49.0	121	0	0	0	4	0	1
4	KWS Cereals USA	AM2410	4	109.1	116.9	51.7	124	2	0	0	5	0	0
5	KWS Cereals USA	KWS585	5	108.6	116.3	53.2	122	0	2	0	4	0	0
6	Nutrien	9593	6	107.9	115.6	50.0	125	0	5	0	2	0	2
7	USG	3472	7	107.7	115.3	50.7	125	0	8	0	3	0	0
8	USG	3673	8	107.1	114.7	50.3	124	7	0	0	3	0	0
9	KWS Cereals USA	KWS571	9	107.1	114.7	52.5	125	0	0	0	2	0	1
10	Virginia Tech	18VTK10-72	10	107.0	114.5	51.8	119	0	0	0	2	0	2
11	UMD	MDW_195-5	11	106.8	114.3	52.3	124	0	1	2	5	0	1
12	UMD	MDDH23-35	12	106.7	114.3	53.8	124	0	0	0	3	0	0
13	UMD	MD-FHB-MAS04-10-2	13	106.2	113.8	46.3	123	0	1	0	4	1	1
14	USG	3755	14	105.8	113.3	51.7	125	2	5	1	5	0	2
15	USG	3363	15	105.6	113.1	52.0	125	3	4	0	5	0	2
16	AgriMAXX	543	16	105.5	112.9	51.3	123	2	0	0	5	0	1
17	Virginia Tech	19VDH-FHB-MAS05-27	17	105.4	112.9	51.4	123	0	1	0	5	0	0
18	Helena	GP 543	18	105.3	112.8	51.6	122	0	2	0	3	0	0
19	Albert Lee Seed	Blue River 844	19	105.1	112.5	55.0	124	5	3	1	4	0	0
20	AgriMAXX	525	20	105.0	112.4	52.6	124	0	6	0	3	0	0
21	UMD	MDW-16-463-6	21	104.7	112.1	47.4	125	0	1	2	5	0	1
22	AgriMAXX	EXP 2410	22	104.0	111.3	52.1	123	0	7	2	3	0	0
23	Mid-Atlantic Seeds	MAS #252	23	103.5	110.8	46.1	125	0	3	0	4	0	1
24	KWS Cereals USA	KWS578	24	103.2	110.5	52.5	125	0	0	0	2	0	1
25	UMD	MD-FHB-MAS03-29-2	25	103.1	110.4	48.3	125	0	0	0	3	0	0
26	Helena	MBX EXP 334	26	103.1	110.4	50.0	126	5	2	0	3	0	1
27	Mid-Atlantic Seeds	MAS #226	27	102.7	109.9	51.3	126	4	0	0	2	0	0
28	KWS Cereals USA	KWS625	28	102.2	109.5	46.3	123	0	2	0	4	0	0
29	Mid-Atlantic Seeds	MAS #67	29	102.2	109.4	51.7	123	2	1	0	5	0	0
30	AgriMAXX	513	30	102.1	109.3	53.5	123	0	6	0	4	0	0
31	UMD	MDW58	31	102.0	109.2	48.2	124	0	0	0	5	0	0
32	AgriMAXX	553	32	101.8	109.0	50.6	123	2	4	2	3	0	4
33	AgriMAXX	545	33	101.8	109.0	51.5	123	1	5	3	2	0	2
34	Nutrien	9612	34	101.8	109.0	50.8	126	0	5	0	3	0	1
35	Virginia Tech	VA20FHB-18	35	101.7	108.9	52.6	124	0	0	0	4	0	0

	Brand	Variety	Rank	Yield (% mean)	Yield (bu/A)	Test Weight (lbs)	Heading Date (Julian)	Powdery Mildew 0-9 (Clarksville)	Leaf Rust 0-9	Stripe Rust 0-9	FHB 0-9	GLUME BLOTCH 0-9	BYDV 0-9
36	GROWMARK INC	FS 748	36	101.5	108.7	51.6	123	0	2	0	4	0	0
37	USG	3354	37	101.5	108.6	50.0	124	0	2	0	4	0	0
38	Mid-Atlantic Seeds	MAS #205	38	101.3	108.4	51.6	127	1	4	0	3	0	0
39	USG	3875	39	101.1	108.2	49.7	123	0	3	1	5	1	2
40	AgriMAXX	516	40	100.9	108.0	51.0	123	0	7	0	2	0	0
41	Mid-Atlantic Seeds	MAS #133	41	100.8	107.9	49.4	124	2	7	1	6	0	2
42	UMD	MD-FHB-MAS03-29	42	100.8	107.9	50.8	122	0	1	0	4	0	0
43	UMD	MDW_447-3	43	100.7	107.8	50.2	125	1	0	1	2	0	2
44	AgriMAXX	505	44	100.7	107.8	51.5	125	3	5	1	4	0	2
45	USG	Exp 3246	45	100.3	107.4	50.8	122	3	1	0	3	0	0
46	Helena	MBX 127	46	100.1	107.2	50.0	126	1	5	3	2	0	0
47	GROWMARK INC	FS 749	47	99.8	106.9	50.2	124	8	0	0	4	0	1
48	UMD	19MD16-463-12	48	99.7	106.8	43.4	123	3	1	0	3	0	1
49	Virginia Tech	VT Pitman	49	99.5	106.6	48.1	125	0	0	0	4	0	0
50	Mid-Atlantic Seeds	MAS #190	50	99.0	106.1	48.4	124	3	7	0	4	0	1
51	Nutrien	9632	51	98.9	105.9	47.7	125	2	1	1	5	0	2
52	USG	3352	52	98.8	105.8	50.2	125	1	2	0	5	0	0
53	Seedway	SW 665	53	98.8	105.7	48.3	124	0	7	0	6	1	0
54	Nutrien	9151	54	98.6	105.5	49.7	121	0	6	2	4	0	2
55	Helena	MBX 360	55	98.4	105.3	49.4	124	1	6	1	3	0	1
56	UMD	MD-FHB-MAS11-10-4	56	98.4	105.3	50.3	124	0	0	0	3	0	1
57	UMD	19MD_447-4	57	98.3	105.2	46.9	124	4	0	1	3	0	2
58	Southern Harvest	SH5123	58	98.2	105.2	47.3	124	1	1	0	2	0	1
59	USG	3234	59	97.9	104.8	46.4	124	0	5	0	2	0	0
60	UMD	MD-FHB-MAS08-11-3	60	97.8	104.7	49.3	124	0	0	0	3	0	0
61	Seedway	SW 648	61	97.8	104.7	46.2	125	0	6	1	2	0	0
62	Nutrien	9533	62	97.5	104.4	49.3	123	0	8	1	3	0	0
63	Helena	MBX 413	63	97.4	104.2	50.3	124	0	6	1	2	0	1
64	Nutrien	9570	64	97.3	104.1	47.5	124	0	2	4	3	0	2
65	Seedway	SW 541	65	97.3	104.1	45.7	124	0	3	0	3	0	1
66	USG	3556	66	97.2	104.1	48.2	124	4	7	1	5	0	0
67	Nutrien	9172	67	97.2	104.0	49.4	122	0	8	0	2	0	0
68	GROWMARK INC	FS 745	68	97.1	104.0	49.1	125	0	8	0	3	1	1
69	UMD	19MD_1-9-6	69	96.8	103.6	45.8	128	2	0	0	3	0	2
70	Southern Harvest	SH7200	70	96.6	103.4	44.0	124	4	0	0	5	0	1
71	Mid-Atlantic Seeds	MAS #155	71	96.6	103.4	49.8	127	0	5	0	4	0	1

	Brand	Variety	Rank	Yield (% mean)	Yield (bu/A)	Test Weight (lbs)	Heading Date (Julian)	Powdery Mildew 0-9 (Clarksville)	Leaf Rust 0-9	Stripe Rust 0-9	FHB 0-9	GLUME BLOTCH 0-9	BYDV 0-9
72	Nutrien	9290	72	96.5	103.3	49.3	125	0	2	0	6	0	2
73	Nutrien	9231	73	96.4	103.2	49.7	124	0	4	2	2	0	0
74	UMD	19MD_1-9-37	74	96.3	103.2	42.1	122	3	1	0	5	0	1
75	Helena	MBX EXP 494	75	96.3	103.1	49.6	123	0	5	1	4	0	0
76	Southern Harvest	SH9520	76	96.3	103.1	48.3	120	1	2	0	5	0	0
77	UMD	MD_VT_FHB-MAS13-15	77	96.2	103.0	49.3	124	0	2	0	4	0	0
78	UMD	MDW_4-98-16	78	96.0	102.8	45.0	125	5	1	1	2	0	0
79	UMD	MD-FHB-MAS15-20	79	95.6	102.4	47.5	125	0	1	1	4	0	1
80	Nutrien	9422	80	95.5	102.2	45.5	125	1	6	1	5	0	1
81	UMD	MDW107	81	94.8	101.5	48.5	123	0	0	0	5	0	0
82	GROWMARK INC	FS 747	82	94.5	101.2	47.6	123	1	1	2	4	0	2
83	AgriMAXX	EXP 2430	83	94.5	101.2	46.8	125	1	7	0	1	0	1
84	Nutrien	9393	84	94.3	101.0	47.2	124	0	2	0	5	0	2
85	Mid-Atlantic Seeds	MAS #316	85	94.2	100.8	47.1	124	2	4	0	2	0	1
86	Southern Harvest	SH4222	86	93.6	100.2	45.1	122	0	6	1	2	0	2
87	USG	3661	87	93.5	100.1	46.8	122	1	2	0	5	2	1
88	Mid-Atlantic Seeds	MAS #139	88	93.1	99.7	46.0	123	0	9	0	4	1	1
89	Mid-Atlantic Seeds	MAS #106	89	92.7	99.2	48.5	122	0	2	0	5	0	1
90	Mid-Atlantic Seeds	MAS #86	90	91.0	97.4	46.8	123	3	3	3	4	0	2
91	Mid-Atlantic Seeds	MAS #2	91	89.0	95.3	48.5	122	1	4	0	4	0	1

***Notes

1. Heading Dates are Averaged from Wye and CV 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.
3. There was very little BYDV disease pressure this year and scores were taken at the CV location.

	Comparative analysis of commercial winter wheat cultivars tested under MD small grain trials for last three years (2022/2023 to 2024/2025)																	
	ID		Three year average of commerical cultivars*				2024/2025 Statewide Average MD Trial				2023/2024 Statewide Average MD Trial				2022/2023 Statewide Average MD Trial			
#	Brand	Variety	Rank	Yield % mean)	Yield (bu/A)	Test Weight (lbs)	Rank 2025	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)
1	UniSouth Genetics Inc	3673	1	105.5	130.0	55.3	8	107.1	114.7	50.3	5	110.6	125.3	56.3	25	103.1	150.1	59.2
2	UniSouth Genetics Inc	3363	2	103.9	128.0	56.4	15	105.6	113.1	52.0	35	104.3	118.2	54.8	13	104.9	152.6	62.4
3	UMD	MD463-6	3	103.7	127.7	55.0	21	104.7	112.1	47.4	70	99.1	112.3	56.7	1	109.1	158.8	60.7
4	UniSouth Genetics Inc	3472	4	103.6	127.6	57.3	7	107.7	115.3	50.7	30	105.1	119.0	58.7	32	102.0	148.5	62.6
5	UMD	MDW58	5	103.1	127.1	56.1	31	102.0	109.2	48.2	16	107.2	121.5	57.4	24	103.4	150.5	62.7
6	Southern Harvest	SH 5123	6	102.8	126.7	54.1	58	98.2	105.2	47.3	10	108.8	123.3	56.1	22	104.2	151.6	59.0
7	Nutrien	9172	7	102.7	126.5	56.6	67	97.2	104.0	49.4	13	107.9	122.2	58.2	10	105.2	153.2	62.3
8	Mid-Atlantic Seeds	MAS #155	8	102.5	126.3	56.7	71	96.6	103.4	49.8	26	105.7	119.7	58.4	4	107.0	155.7	61.9
9	UniSouth Genetics Inc	3661	9	102.4	126.2	55.6	87	93.5	100.1	46.8	21	106.2	120.4	58.5	2	108.6	158.1	61.5
10	UniSouth Genetics Inc	3352	10	102.4	126.1	57.2	52	98.8	105.8	50.2	23	106.0	120.1	59.2	14	104.8	152.6	62.3
11	Helena	GP543	11	102.3	126.0	56.4	16	100.1	107.2	50.0	39	103.7	117.5	58.4	8	105.3	153.3	60.8
12	UMD	MDW148	12	101.9	125.6	57.2	2	111.2	119.1	53.0	72	98.9	112.0	57.2	43	100.0	145.6	61.5
13	Mid-Atlantic Seeds	MAS #139	13	101.9	125.5	54.7	88	93.1	99.7	46.0	11	108.4	122.8	56.4	7	105.9	154.2	61.8
14	Mid-Atlantic Seeds	MAS #86	14	101.8	125.5	55.4	90	91.0	97.4	46.8	15	107.3	121.5	58.2	3	108.2	157.4	61.0
15	Nutrien	9231	15	101.7	125.3	57.3	73	96.4	103.2	49.7	4	111.4	126.2	59.3	39	100.7	146.5	63.0
16	Nutrien	9422	16	101.2	124.7	55.2	80	95.5	102.2	45.5	3	111.4	126.2	58.7	44	100.0	145.5	61.3
17	AgriMAXX	516	17	101.1	124.6	57.0	40	100.9	108.0	51.0	28	105.4	119.4	58.3	40	100.5	146.3	61.7
18	UMD	19MD447-3	18	101.1	124.5	55.4	43	100.7	107.8	50.2	78	98.4	111.5	56.1	6	106.0	154.3	60.0
19	Nutrien	9151	19	101.1	124.5	57.7	54	98.6	105.5	49.7	22	106.2	120.3	59.7	34	101.5	147.7	63.8
20	Helena Agri-Ent.	MBX 127	20	101.0	124.5	56.6	46	105.3	112.8	51.6	42	103.2	117.0	56.5	56	98.7	143.7	61.8
21	UMD	MD447-4	21	100.9	124.3	55.2	57	98.3	105.2	46.9	67	99.9	113.2	57.3	5	106.3	154.7	61.6
22	AgriMAXX	513	22	100.5	123.8	58.2	30	102.1	109.3	53.5	54	101.7	115.3	58.9	37	101.0	146.9	62.3
23	UMD	MD4-98-16	23	99.7	122.9	54.2	78	96.0	102.8	45.0	65	100.2	113.5	55.9	16	104.7	152.4	61.5
24	UMD	MD195-5	24	99.7	122.8	58.1	11	106.8	114.3	52.3	88	96.1	108.9	59.0	47	99.7	145.2	62.9
25	AgriMAXX	525	25	99.1	122.1	57.1	20	105.0	112.4	52.6	92	94.4	107.0	56.6	38	100.9	146.9	62.2
26	GROMARK INC	FS 745	26	98.6	121.4	56.5	68	97.1	104.0	49.1	90	95.8	108.5	58.0	19	104.3	151.8	62.3
27	Mid-Atlantic Seeds	MAS #190	27	98.5	121.3	56.2	50	99.0	106.1	48.4	27	105.4	119.4	58.9	79	95.2	138.5	61.2
28	Southern Harvest	SH 9520	28	98.1	120.9	56.5	76	96.3	103.1	48.3	44	103.0	116.6	59.0	59	98.2	142.9	62.2
29	Nutrien	9290	29	98.0	120.8	55.8	72	96.5	103.3	49.3	40	103.6	117.4	58.0	64	97.3	141.6	60.2
30	Nutrien	9393	30	97.9	120.6	54.5	84	94.3	101.0	47.2	51	102.2	115.8	57.4	50	99.6	145.0	59.0
31	Mid-Atlantic Seeds	MAS #133	31	97.8	120.4	54.8	41	100.8	107.9	49.4	102	90.1	102.0	54.8	23	104.0	151.3	60.2
32	UMD	MD463-12	32	97.7	120.4	52.6	48	99.7	106.8	43.4	101	90.2	102.2	54.7	17	104.7	152.3	59.8
33	AgriMAXX	505	33	97.6	120.2	57.5	44	100.7	107.8	51.5	45	102.9	116.6	59.6	86	93.6	136.3	61.3
34	Mid-Atlantic Seeds	MAS #67	34	97.6	120.2	56.3	29	102.2	109.4	51.7	66	100.1	113.4	58.8	82	94.7	137.8	58.4

#	Brand	Variety	Rank	Yield % mean)	Yield (bu/A)	Test Weight (lbs)	Rank 2025	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)
35	Southern Harvest	SH 4222	35	97.1	119.6	55.7	86	93.6	100.2	45.1	57	101.4	114.9	59.5	55	98.8	143.8	62.6
36	Mid-Atlantic Seeds	MAS #106	36	96.2	118.5	56.4	89	92.7	99.2	48.5	62	100.9	114.4	59.7	63	97.4	141.8	61.0
37	Southern Harvest	SH 7200	37	94.6	116.5	54.5	70	96.6	103.4	44.0	93	94.2	106.7	57.6	77	95.8	139.4	61.8
38	Mid-Atlantic Seeds	MAS #316	38	94.4	116.4	55.4	85	94.2	100.8	47.1	104	88.9	100.8	58.2	35	101.3	147.5	61.0
39	Mid-Atlantic Seeds	MAS #2	39	88.9	109.5	57.4	91	89.0	95.3	48.5	111	84.2	95.4	61.4	81	94.7	137.8	62.2
					123.2	**56.1**			**123.2**	**56.1**			**123.2**	**56.1**			**123.2**	**56.1**

FACTSHEET 2024- 2025 MARYLAND STATEWIDE Barley YIELD TRIAL RESULTS

		Statewide Average				Wye				Beltsville (BV)							
Brand	**Variety**	**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)**	**Flowering Date (Julian)**	**Plant Height (cm)**	**Leaf Rust (0-9)**	**SNB (0-9)**
KWS Cereals USA	KWS Chillis	1	135.14	**145.7**	48.8	1	134.6	**143.61**	48.42	1	136.2	**147.7**	49.3	115	100.0	0	0
Northern Star Seed	EXP 2221	2	114.30	**123.2**	42.2	3	120.6	**128.65**	47.47	7	108.6	**117.8**	36.9	106	100.0	0	0
VCIA	Marouetta	3	110.63	**119.3**	36.8	2	121.8	**129.93**	49.86	9	100.1	**108.6**	23.7	110	95.0	1	0
VCIA	VT Beahm	4	110.38	**119.0**	49.3	4	111.5	**118.99**	49.30	^	^	^	^	109	106.0	0	0
VCIA	Secretariat	5	110.24	**118.8**	39.2	11	94.5	**100.79**	44.49	2	126.2	**136.9**	33.9	110	95.0	0	0
UMD	MDB-EF-21	6	109.88	**118.4**	44.8	5	111.2	**118.70**	47.33	6	108.9	**118.2**	42.3	106	100.0	0	0
UMD	MDB21-283	7	106.57	**114.9**	39.5	9	98.9	**105.55**	48.12	3	114.5	**124.2**	30.8	109	95.0	0	0
UMD	MDB21-518-DW	8	104.19	**112.3**	36.4	8	99.2	**105.83**	48.54	5	109.5	**118.8**	24.3	110	90.0	0	0
UMD	Nomini	9	100.29	**108.1**	45.8	6	109.6	**116.92**	45.91	12	91.5	99.3	45.7	109	102.0	0	0
UMD	MDB21-781	10	98.75	**106.5**	48.8	7	99.8	**106.45**	48.77	^	^	^	^	109	95.0	1	0
KWS Cereals USA	KWS Antonis	11	98.38	**106.1**	43.5	19	85.6	91.30	42.48	4	111.3	**120.8**	44.5	113	100.0	1	0
Limagrain	LCS Calypso	12	94.77	**102.2**	43.2	13	91.9	98.07	45.76	10	97.9	**106.3**	40.6	115	87.0	0	0
Limagrain	BC Clementine	13	93.84	**101.2**	45.8	20	84.1	89.75	43.82	8	103.8	**112.6**	47.8	116	82.0	0	0
Limagrain	LCS Violetta	14	93.23	100.5	43.4	15	91.0	97.06	45.27	11	95.8	**103.9**	41.5	113	74.0	0	0
Limagrain	BC Leandra	15	91.90	99.1	39.7	12	93.6	99.83	42.95	13	90.6	98.3	36.5	114	68.0	0	0
VCIA	Greg	16	88.02	94.9	41.8	18	86.1	91.82	48.07	14	90.3	98.0	35.6	113	110	0	0
Limagrain	13184p2	17	87.47	94.3	39.1	16	88.9	94.85	43.02	15	86.4	93.7	35.3	104	60	0	0
Limagrain	13458a7	18	87.42	94.2	39.4	14	91.9	98.03	45.20	17	83.4	90.4	33.5	115	80	0	0
KWS Cereals USA	KWS Avatis	19	86.03	92.7	38.9	17	88.9	94.82	41.34	16	83.6	90.7	36.4	116	85	0	0
VCIA	Avalon	20	79.24	85.4	39.8	10	97.4	**103.88**	50.24	18	61.7	67.0	29.3	95	95	0	0
			Mean	*107.8*	*42.3*			*106.7*	*46.3*			*108.5*	*37.1*				
			CV(%)	*13.0*	*9.3*			*13.8*	*5.8*			*17.3*	*19.9*				
			LSD (0.05)	*19.9*	*8.9*			*22.5*	*11.5*			*31.2*	*27.8*				

Barley trials at Beltsville faced some damage due to biotic and abiotic stresses.

^ Data for these two lines were not recorded due to germination issues and damages due to birds

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

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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)

2023-2025 Average						State-wide Average					2024 State-wide Average					2023 State-wide Average				
Brand	Variety	Rank over the three years	Yield (% mean)	Yield (bu/A)	Test Weight (lbs/bu)	Variety	2025 Rank	Yield (% mean)	Yield (bu/A)	Test Weight (lbs/bu)	Variety	Rank 2024	Yield (% mean)	Yield (bu/A)	Test Weight (lbs/bu)	Variety	Rank 2023	Yield (% mean)	Yield (bu/A)	Test Weight (lbs/bu)
UMD	MDB-EF-21	1	122.9	135.9	45.0	MDB-EF-21	6	109.9	118.4	44.8	MDB-EF-21	#	#	#	#	MDB-EF-21	4	114.1	153.4	45.2
VCIA	Marouetta	2	117.8	130.3	43.0	Marouetta	3	110.6	119.3	36.8	Marouetta	9	96.5	88.1	44.3	Marouetta	1	136.6	183.6	48.0
VCIA	Secretariat	3	116.8	129.2	45.1	Secretariat	5	110.2	118.8	39.2	Secretariat	3	113.3	103.4	45.5	Secretariat	3	123.0	165.3	50.4
UMD	MDB21-283	4	107.3	118.7	39.7	MDB21-283	7	106.6	114.9	39.5	MDB21-283	4	106.4	97.2	34.4	MDB21-283	6	107.2	144.1	45.3
VCIA	VT Beahm	5	103.0	113.9	46.5	VT Beahm	4	110.4	119.0	49.3	VT Beahm	5	106.4	97.2	43.5	VT Beahm	10	93.4	125.5	46.6
UMD	MDB21-518-DW	6	94.9	105.0	40.7	MDB21-518-DW	8	104.2	112.3	36.4	MDB21-518-DW	8	97.2	88.8	43.5	MDB21-518-DW	15	84.8	113.9	42.0
UMD	MDB21-781	7	94.9	105.0	46.3	MDB21-781	10	98.7	106.5	48.8	MDB21-781	7	99.1	90.5	44.5	MDB21-781	14	87.9	118.1	45.7
Limagrain	BC Clementine	8	90.2	99.7	44.8	BC Clementine	13	93.8	101.2	45.8	BC Clementine	6	102.1	93.2	38.9	BC Clementine	16	77.9	104.8	49.8
VCIA	Avalon	9	89.4	98.9	43.8	Avalon	20	79.2	85.4	39.8	Avalon	11	88.2	80.5	41.0	Avalon	8	97.3	130.7	50.8
UMD	Nomini	10	83.2	92.1	42.0	Nomini	9	100.3	108.1	45.8	Nomini	14	83.2	76.0	38.2	Nomini	#	#	#	#
Limagrain	BC Leandra	11	79.5	87.9	40.8	BC Leandra	15	91.9	99.1	39.7	BC Leandra	13	84.1	76.8	41.8	BCLEandra	#	#	#	#
		Mean		110.6	43.4				109.4	42.3				89.2	41.6				137.7	47.1
		CV (%)		14.7	5.4				9.8	11.0				10.3	8.4				18.8	6.2

* 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 2022-2025 # The data for these lines was not available in the respective yea