

Table 1. 2014 Maryland State Wheat Variety Performance Trials Averaged Across 4 Environments: Quantico, Queenstown, Clarksville, and Keedysville, MD.

Wheat Entry	Yield (Bu/A)	Test Weight (lbs/Bu)	Heading Date (Julian)	Height (inches)	Powdery Mildew (0-9)	Scab (0-9)	Beards
MAS #35	89.0	60.1	138.5	27.9	4.0	1.7	Yes
USG 3404	88.6	59.3	139.3	31.1	2.5	1.7	Yes
SS 8360	88.0	59.9	138.8	30.1	1.5	2.0	Yes
MAS #32	87.5	61.0	138.5	30.5	1.5	1.3	Yes
MAS #23	85.6	59.3	137.4	29.5	4.0	1.7	Yes
MAS #37	84.3	59.4	135.7	31.2	3.0	2.7	No
Pioneer Brand 25R40	84.1	60.1	138.5	28.0	0.0	2.3	Yes
FSX 856	83.5	59.4	137.4	32.8	2.5	1.3	No
FSX 854	83.0	59.4	139.1	30.7	2.5	1.7	Yes
FSX 855	82.6	59.4	138.8	30.4	2.5	1.3	Yes
USG 3201	82.6	62.2	137.9	30.0	3.5	1.7	Yes
Pioneer Brand 25R39	81.7	58.3	139.6	31.2	3.5	1.3	No
FS 888	81.6	60.9	139.5	31.7	1.5	2.0	No
MAS #6	81.6	59.0	137.3	28.1	3.0	1.3	Yes
MAS #31	81.6	58.6	138.6	29.5	3.5	1.7	Yes
SW 550	80.5	59.2	139.4	30.9	2.0	1.7	Yes
USG 3523	80.2	59.2	138.8	30.3	3.0	2.3	Yes
MAS #10	80.1	59.8	139.3	28.8	4.0	1.7	Yes
SS 8415 (VA07W-415)	80.1	59.8	137.9	31.5	0.0	2.3	No
USG 3013	79.8	57.3	139.4	32.9	2.5	1.3	No
VA10W-21	79.7	61.4	138.5	30.5	4.5	1.7	No
Pioneer Brand 25R32	79.6	60.2	138.3	30.7	0.0	1.3	Yes
MAS #36	79.5	58.6	139.2	32.1	3.5	2.7	No
MO9L-9547	79.4	59.6	137.3	30.9	0.5	2.0	No
Shirley	79.4	58.3	139.5	28.2	0.0	2.7	No
MD05W56-12-5	79.4	61.6	135.7	31.0	2.5	1.7	No
FSX 853	79.4	58.8	138.4	29.2	1.5	1.3	Yes
MAS #33	78.8	61.5	136.3	30.9	4.5	2.0	Yes
SY 1526	78.8	59.4	137.5	33.1	5.5	2.0	No
FSX 850	78.8	59.8	138.1	31.4	0.0	2.3	No
FS 815	78.6	57.8	137.9	30.7	2.0	2.0	No
MD04W249-11-7	78.3	61.7	137.9	33.2	0.0	1.0	Yes
USG 3251	78.3	59.5	139.4	30.9	1.5	2.0	Yes
MD04W8-12-3	78.1	63.0	135.3	32.2	0.0	1.7	Yes
VA10W-123	78.0	59.5	135.9	32.2	0.0	1.7	No
SS 8340	77.8	61.7	138.3	29.7	3.0	1.3	Yes
MAS #7	77.6	58.4	138.6	30.2	2.5	2.7	No
MAS #4	77.6	61.7	138.3	30.2	4.5	1.7	Yes
MBX 12-W-296	77.3	59.0	138.0	35.2	3.0	1.0	No
MBX 14-K-297	76.9	56.8	139.3	32.2	3.5	1.7	No
9223	76.8	57.6	138.8	32.7	2.5	1.7	No
MD04W249-11-12	76.4	62.3	137.9	32.0	0.0	1.0	Yes
FS 820	76.3	61.5	138.3	28.7	3.5	2.0	Yes
MD05W10208-12-16	76.2	62.5	137.1	28.9	4.5	1.7	Yes
SS 8500	76.1	59.3	139.6	33.6	2.0	1.7	Yes
MDC07026-12-30	76.1	61.6	138.4	30.9	0.0	2.0	No
SW 53	75.9	61.1	137.1	30.2	6.5	1.7	No
Chesapeake	75.8	61.1	137.7	30.7	0.5	2.0	No
L-Brand 221	75.8	59.7	138.8	33.7	1.0	1.3	No
SS 5205	75.3	60.8	138.1	26.8	0.0	2.0	No
MAS #2	75.2	59.3	139.8	34.3	1.0	1.3	No
FSX 851	75.2	60.6	138.9	34.2	2.0	1.0	No
VA08MAS-369	74.9	59.9	138.0	29.2	2.0	2.7	No
MBX 11-V-258	74.9	59.4	138.9	31.9	1.5	2.0	No
9343	74.9	58.1	139.6	32.1	0.5	1.3	No
Yorktown (VA 08W-249)	74.8	59.6	139.7	29.7	0.0	1.7	No
USG 3315	74.3	60.8	140.0	31.0	2.5	1.7	No
MBX 12-W-270	74.1	57.2	138.9	32.6	1.0	1.7	No
MBX 14-S-210	73.9	60.4	138.2	32.0	0.0	2.0	Yes
GA-041293-11E54	73.8	59.3	137.9	31.2	0.0	2.7	No
SY 474	73.8	59.0	139.1	32.9	0.0	2.3	No
SW 57SR	73.7	57.6	139.0	33.2	3.0	2.0	No
FSX 852	73.7	59.4	137.6	30.7	0.5	1.0	Yes
Pioneer Brand 25R77	73.6	60.3	138.4	28.4	1.0	1.7	Yes
L-Brand 343	72.8	60.8	138.0	29.5	0.0	3.3	Yes
SS 8412	71.9	59.3	139.9	30.1	2.5	2.0	No
USG 3993	71.8	57.4	139.5	33.2	3.0	1.0	No
SY 007	71.4	60.5	136.9	31.4	0.0	1.3	Yes
MBX 12-V-251	70.5	58.9	138.9	27.9	1.0	2.7	No
SS 8870	68.2	57.5	139.6	31.7	3.0	1.3	No
GA-04434-11E44	66.3	58.8	140.9	30.2	0.0	3.3	Yes
GA-041293-11LE37	65.8	60.1	138.3	31.0	0.0	4.7	Yes
Means	78.5	59.5	137.9	31.0	1.8	1.9	
Least Significant Difference (LSD) (0.0 CV (%))	8.0	1.1	0.9	1.4	1.8	1.0	
	12.1	2.2	0.8	5.3	47.7	33.4	

Yields in boldface are not significantly different from the highest yielding entry.

Table 2. Relative Yield of Wheat Entries as a Percentage of the Mean Yield of All Entries at Each Location and Throughout the State in 2014.

Wheat Entry	Statewide	Quantico	Queenstown	Clarksville	Keedysville
MAS #35	113.4	106.8	113.7	114.9	122.6
USG 3404	112.9	109.6	115.2	120.4	101.8
SS 8360	112.2	114.0	108.7	112.0	122.2
MAS #32	111.5	96.4	115.1	116.8	116.3
MAS #23	109.1	110.8	110.9	107.9	108.0
MAS #37	107.4	117.9	105.8	99.4	121.3
Pioneer Brand 25R40	107.1	102.2	111.4	105.7	113.9
FSX 856	106.4	114.1	102.9	106.3	109.2
FSX 854	105.8	107.4	106.8	108.4	101.8
FSX 855	105.3	105.6	106.5	108.3	101.4
USG 3201	105.3	99.6	104.7	110.5	106.7
Pioneer Brand 25R39	104.1	117.8	104.9	94.8	112.7
FS 888	104.0	104.1	112.4	99.1	105.3
MAS #6	103.9	94.6	96.2	123.9	89.8
MAS #31	103.9	97.6	95.5	117.1	102.4
SW 550	102.6	98.0	94.3	107.6	116.9
USG 3523	102.2	106.9	101.5	106.6	94.0
MAS #10	102.1	95.2	103.0	103.6	110.4
SS 8415 (VA07W-415)	102.1	109.0	102.3	101.2	101.0
USG 3013	101.7	97.1	107.3	96.1	114.9
VA10W-21	101.6	103.6	98.3	106.2	100.4
Pioneer Brand 25R32	101.4	105.9	105.3	97.2	99.6
MAS #36	101.3	102.8	110.0	93.0	107.9
MO9L-9547	101.2	98.9	103.4	99.0	112.1
Shirley	101.2	110.8	104.9	103.2	85.1
MD05W56-12-5	101.2	95.6	108.1	103.3	96.3
FSX 853	101.1	94.2	105.3	104.7	99.1
MAS #33	100.5	109.2	99.8	96.7	105.3
SY 1526	100.4	109.0	91.7	109.6	91.4
FSX 850	100.4	109.9	89.4	101.3	112.2
FS 815	100.1	108.3	99.8	96.5	104.9
MD04W249-11-7	99.8	88.2	104.7	99.9	109.7
USG 3251	99.8	91.5	104.7	104.8	95.2
MD04W8-12-3	99.5	89.3	98.6	106.7	102.2
VA10W-123	99.4	107.1	99.3	103.1	88.0
SS 8340	99.2	96.2	98.9	106.7	92.0
MAS #7	98.9	117.9	94.7	97.0	94.4
MAS #4	98.8	101.2	104.9	91.6	106.7
MBX 12-W-296	98.4	102.2	95.2	101.7	98.1
MBX 14-K-297	98.0	107.2	100.0	96.7	92.3
9223	97.8	101.2	95.5	99.4	100.0
MD04W249-11-12	97.4	98.9	93.1	99.5	103.9
FS 820	97.2	83.9	100.2	101.8	102.4
MD05W10208-12-16	97.1	81.5	99.7	100.9	101.3
SS 8500	97.0	91.2	100.8	101.7	92.2
MDC07026-12-30	97.0	92.0	109.0	96.6	87.9
SW 53	96.7	98.6	97.4	100.7	90.2
Chesapeake	96.6	102.9	93.2	96.8	100.2
L-Brand 221	96.5	103.7	101.2	94.0	91.3
SS 5205	96.0	104.9	98.9	93.4	91.8
MAS #2	95.9	107.0	101.2	86.4	100.1
FSX 851	95.8	99.8	98.1	91.6	101.7
VA08MAS-369	95.5	89.8	89.9	105.8	94.4
MBX 11-V-258	95.4	92.5	96.8	100.0	91.6
9343	95.4	93.1	97.7	88.2	115.0
Yorktown (VA 08W-249)	95.4	94.3	101.9	98.9	82.7
USG 3315	94.7	96.0	96.0	99.4	85.9
MBX 12-W-270	94.4	101.0	99.0	85.1	104.7
MBX 14-S-210	94.1	101.9	92.1	94.6	93.3
GA-041293-11E54	94.1	92.5	87.8	97.8	103.9
SY 474	94.0	98.3	100.7	85.6	101.2
SW 575R	93.9	88.9	94.1	92.5	115.2
FSX 852	93.9	93.4	94.6	99.5	86.1
Pioneer Brand 25R77	93.8	92.2	101.7	99.7	73.9
L-Brand 343	92.7	87.9	88.6	95.2	105.8
SS 8412	91.7	92.5	92.6	97.2	82.4
USG 3993	91.4	98.4	91.9	87.9	95.8
SY 007	91.0	87.3	97.5	88.8	93.9
MBX 12-V-251	89.9	104.7	93.0	87.6	77.9
SS 8870	87.0	82.7	90.6	84.8	95.4
GA-04434-11E44	84.4	87.2	88.3	82.7	83.7
GA-041293-11E37	83.8	93.0	80.2	86.5	86.6

Table 3. Two-and Three-Year Averages of Grain Yield and Test Weight of Repeated Wheat Entries in Maryland (2012-2014).

Wheat Entry	Yield (2-year)	Test Weight (2-year)	Yield (3-year)	Test Weight (3-year)
USG 3404	86.0	57.9	NA	NA
MAS #23	80.6	57.5	81.0	57.8
USG 3201	79.3	60.7	78.6	60.4
USG 3523	78.0	58.0	NA	NA
SS 8415 (VA07W-415)	77.9	58.5	78.0	58.6
SW 53	77.8	60.3	77.5	60.2
FS 888	77.4	59.7	75.7	59.6
MAS #4	77.0	60.7	75.2	60.3
SS 5205	76.8	59.4	76.4	59.7
9223	76.5	57.2	NA	NA
USG 3315	76.4	59.6	75.2	59.7
USG 3251	76.1	58.4	NA	NA
SS 8340	76.1	60.2	73.9	60.1
MAS #7	75.8	57.6	73.9	57.8
FS 820	75.6	60.1	75.9	59.9
Shirley	75.5	57.2	75.9	57.2
MD04W249-11-7	75.3	60.3	NA	NA
SS 8500	75.1	58.1	74.0	58.1
MAS #6	75.0	57.3	NA	NA
SY 1526	75.0	58.2	74.2	58.3
FS 815	74.9	57.0	74.6	56.7
MD04W249-11-12	73.9	60.5	NA	NA
MAS #2	73.1	58.9	72.1	58.7
MBX 11-V-258	72.8	58.2	74.2	58.1
MBX 12-W-270	72.5	57.5	NA	NA
USG 3993	71.5	57.7	NA	NA
Chesapeake	71.4	59.7	70.3	59.7
MBX 12-W-296	70.8	57.5	NA	NA
Yorktown (VA 08W-249)	70.3	58.3	NA	NA
SS 8412	70.0	58.7	NA	NA

Table 4. Maryland State Wheat Variety Performance Trials at Quantico, MD.				
Wheat Entry	Yield (Bu/A)	Test Weight (lbs/Bu)	Heading Date (Julian)	Height (inches)
MAS #7	63.2	59.6	132.0	29.3
MAS #37	63.2	61.7	129.3	30.3
Pioneer Brand 25R39	63.2	58.7	132.7	30.7
FSX 856	61.2	61.1	130.0	34.7
SS 8360	61.1	60.4	132.3	30.0
MAS #23	59.4	60.3	131.0	28.7
Shirley	59.4	57.8	131.7	28.0
FSX 850	58.9	61.0	131.3	32.0
USG 3404	58.8	59.6	132.3	31.3
MAS #33	58.5	62.1	129.0	31.3
SY 1526	58.4	59.6	130.7	33.7
SS 8415 (VA07W-415)	58.4	60.7	131.0	32.7
FS 815	58.1	58.8	131.7	31.0
FSX 854	57.6	58.9	132.3	31.0
MBX 14-K-297	57.5	56.7	132.0	32.0
VA10W-123	57.4	59.9	130.7	31.7
MAS #2	57.4	59.6	132.3	33.3
USG 3523	57.3	60.0	131.7	29.7
MAS #35	57.3	60.9	131.7	28.0
Pioneer Brand 25R32	56.8	62.4	131.0	31.0
FSX 855	56.6	59.6	132.0	29.7
SS 5205	56.2	62.0	131.7	27.7
MBX 12-V-251	56.2	60.8	131.7	28.3
FS 888	55.8	61.4	132.3	32.0
L-Brand 221	55.6	58.4	131.7	32.0
VA10W-21	55.6	62.4	132.0	29.3
Chesapeake	55.2	61.9	131.7	30.7
MAS #36	55.1	59.1	132.3	32.0
MBX 12-W-296	54.8	59.5	132.0	33.3
Pioneer Brand 25R40	54.8	60.6	131.7	28.0
MBX 14-S-210	54.6	62.1	131.7	32.0
9223	54.3	58.0	132.3	31.3
MAS #4	54.3	62.3	132.0	29.7
MBX 12-W-270	54.1	53.4	132.7	32.7
FSX 851	53.5	58.4	131.7	33.3
USG 3201	53.4	63.3	131.7	30.0
MO9L-9547	53.0	60.0	130.3	31.0
MD04W249-11-12	53.0	63.2	131.7	31.7
SW 53	52.9	62.8	131.3	31.7
USG 3993	52.8	54.8	132.7	34.0
SY 474	52.7	58.3	132.0	32.0
SW 550	52.5	59.7	132.3	31.7
MAS #31	52.4	59.7	131.7	27.7
USG 3013	52.0	56.9	133.0	32.7
MAS #32	51.7	62.8	132.0	29.0
SS 8340	51.6	62.0	132.0	29.3
USG 3315	51.5	60.8	132.3	29.7
MD05W56-12-5	51.2	63.5	129.7	31.0
MAS #10	51.0	60.4	132.0	27.3
MAS #6	50.7	60.7	131.0	28.0
Yorktown (VA 08W-249)	50.6	59.1	132.0	30.0
FSX 853	50.5	60.5	131.7	28.7
FSX 852	50.1	61.6	131.3	30.7
9343	49.9	55.0	132.7	33.3
GA-041293-11E37	49.9	61.7	131.3	30.3
GA-041293-11E54	49.6	58.7	131.3	29.7
SS 8412	49.6	59.2	132.7	30.0
MBX 11-V-258	49.6	60.7	131.7	31.7
Pioneer Brand 25R77	49.4	62.1	131.3	28.3
MDC07026-12-30	49.3	62.6	131.3	31.0
USG 3251	49.1	58.9	132.3	30.7
SS 8500	48.9	59.1	132.3	33.0
VA08MAS-369	48.2	58.9	131.3	28.3
MD04W8-12-3	47.9	63.5	129.0	31.7
SW 575R	47.7	55.4	132.3	33.3
MD04W249-11-7	47.3	61.5	132.0	32.3
L-Brand 343	47.1	61.1	132.0	28.7
SY 007	46.8	62.3	131.0	30.3
GA-04434-11E44	46.8	57.5	133.3	30.7
FS 820	45.0	61.6	131.7	28.7
SS 8870	44.3	56.1	132.0	32.7
MD05W10208-12-16	43.7	64.2	130.3	27.3
Mean	53.6	60.1	131.6	30.7
State Mean	78.5	59.5	137.9	31.0
LSD (0.05)	7.5	1.6	0.9	1.9
CV (%)	8.5	1.6	0.4	3.8

Yields in boldface are not significantly different from the highest yielding entry.

Table 5. Maryland State Wheat Variety Performance Trials at Queenstown, MD.

Wheat Entry	Yield (Bu/A)	Test Weight (lbs/Bu)	Heading Date (Julian)	Height (inches)	Powdery Mildew (0-9)	Scab (0-9)
USG 3404	95.3	59.4	138.0	31.7	2.5	1.7
MAS #32	95.3	61.0	137.0	31.3	1.5	1.3
MAS #35	94.1	59.8	138.0	28.7	4.0	1.7
FS 888	93.0	60.8	139.0	31.3	1.5	2.0
Pioneer Brand 25R40	92.2	59.9	138.0	30.3	0.0	2.3
MAS #23	91.7	59.6	136.7	29.3	4.0	1.7
MAS #36	91.0	59.2	139.0	30.7	3.5	2.7
MDC07026-12-30	90.2	62.4	137.3	31.0	0.0	2.0
SS 8360	90.0	59.5	138.0	30.0	1.5	2.0
MD05W56-12-5	89.4	61.4	133.3	31.7	2.5	1.7
USG 3013	88.8	57.2	139.3	33.0	2.5	1.3
FSX 854	88.4	59.1	138.7	32.0	2.5	1.7
FSX 855	88.1	59.8	138.3	30.7	2.5	1.3
MAS #37	87.5	59.1	134.3	31.7	3.0	2.7
FSX 853	87.2	58.2	137.7	30.0	1.5	1.3
Pioneer Brand 25R32	87.1	60.4	137.0	31.3	0.0	1.3
Pioneer Brand 25R39	86.8	58.8	138.7	30.3	3.5	1.3
MAS #4	86.8	62.0	136.7	30.3	4.5	1.7
Shirley	86.8	58.0	138.7	29.3	0.0	2.7
USG 3251	86.6	60.1	138.7	32.7	1.5	2.0
MD04W249-11-7	86.6	61.4	137.3	34.3	0.0	1.0
USG 3201	86.6	62.5	137.0	30.3	3.5	1.7
MO9L-9547	85.6	59.2	136.7	29.7	0.5	2.0
MAS #10	85.3	59.9	138.7	28.7	4.0	1.7
FSX 856	85.1	58.5	137.0	31.3	2.5	1.3
SS 8415 (VA07W-415)	84.7	59.7	137.0	31.7	0.0	2.3
Yorktown (VA 08W-249)	84.3	60.0	138.7	30.3	0.0	1.7
Pioneer Brand 25R77	84.2	61.1	137.7	28.7	1.0	1.7
USG 3523	84.0	59.3	138.3	30.0	3.0	2.3
L-Brand 221	83.8	59.2	138.7	33.7	1.0	1.3
MAS #2	83.8	59.4	139.0	34.0	1.0	1.3
SS 8500	83.4	60.1	140.3	33.3	2.0	1.7
SY 474	83.3	58.9	138.3	33.0	0.0	2.3
FS 820	82.9	61.7	138.3	29.0	3.5	2.0
MBX 14-K-297	82.8	57.0	139.3	31.7	3.5	1.7
MAS #33	82.6	62.3	135.0	30.7	4.5	2.0
FS 815	82.6	57.6	137.3	30.3	2.0	2.0
MD05W10208-12-16	82.5	61.8	137.0	29.3	4.5	1.7
VA10W-123	82.2	59.5	134.0	32.0	0.0	1.7
MBX 12-W-270	81.9	59.3	137.7	32.7	1.0	1.7
SS 5205	81.8	60.9	138.0	27.3	0.0	2.0
SS 8340	81.8	61.9	137.0	30.0	3.0	1.3
MD04W8-12-3	81.6	64.3	133.3	32.3	0.0	1.7
VA10W-21	81.3	61.6	138.3	30.0	4.5	1.7
FSX 851	81.2	60.6	139.0	35.3	2.0	1.0
9343	80.9	58.5	138.3	32.7	0.5	1.3
SY 007	80.7	60.6	135.7	31.0	0.0	1.3
SW 53	80.6	60.8	136.0	31.0	6.5	1.7
MBX 11-V-258	80.1	58.6	139.0	32.0	1.5	2.0
MAS #6	79.6	59.8	136.0	29.0	3.0	1.3
USG 3315	79.5	61.6	138.3	31.0	2.5	1.7
MAS #31	79.0	59.1	138.0	30.0	3.5	1.7
9223	79.0	57.3	138.3	32.7	2.5	1.7
MBX 12-W-296	78.8	59.1	138.0	35.7	3.0	1.0
MAS #7	78.3	58.3	138.3	30.0	2.5	2.7
FSX 852	78.3	60.3	135.7	31.0	0.5	1.0
SW 550	78.0	58.5	139.7	31.0	2.0	1.7
SW 575R	77.8	58.0	138.0	33.0	3.0	2.0
Chesapeake	77.1	61.2	135.7	30.7	0.5	2.0
MD04W249-11-12	77.1	62.4	136.3	33.3	0.0	1.0
MBX 12-V-251	77.0	59.1	139.3	27.7	1.0	2.7
SS 8412	76.6	59.0	139.3	30.7	2.5	2.0
MBX 14-S-210	76.2	60.7	136.7	31.7	0.0	2.0
USG 3993	76.1	58.1	139.3	33.3	3.0	1.0
SY 1526	75.9	59.1	136.7	33.7	5.5	2.0
SS 8870	75.0	57.3	138.7	32.3	3.0	1.3
VA08MAS-369	74.3	59.2	138.0	30.7	2.0	2.7
FSX 850	73.9	58.7	138.7	31.0	0.0	2.3
L-Brand 343	73.3	60.9	138.0	29.0	0.0	3.3
GA-04434-11E44	73.1	60.2	140.0	29.7	0.0	3.3
GA-041293-11E54	72.6	59.2	137.0	32.0	0.0	2.7
GA-041293-11LE37	66.3	59.6	138.0	32.0	0.0	4.7
Means	82.7	59.8	137.7	31.2	1.8	1.9
State Means	77.1	59.6	138.5	30.8	1.8	1.9
LSD (0.05)	13.9	1.7	1.5	1.8	1.8	1.0
CV (%)	10.4	1.7	0.7	3.6	47.7	33.4

Yields in boldface are not significantly different from the highest yielding entry.

Table 4. Maryland State Wheat Variety Performance Trials at Clarksville, MD.

Wheat Entry	Yield (Bu/A)	Test Weight (lbs/Bu)	Heading Date (Julian)	Height (inches)	Lodging (0-9)
MAS#6	128.2	56.0	138.7	28.7	0.3
USG 3404	124.6	57.3	141.0	31.7	0.0
MAS#31	121.2	55.0	140.7	30.7	3.0
MAS#32	120.9	57.4	140.7	31.7	0.0
MAS#35	118.9	57.8	140.3	26.0	0.0
SS 8360	115.9	57.8	140.0	30.7	0.0
USG 3201	114.4	60.1	139.7	30.3	0.7
SY 1526	113.5	57.6	138.3	33.7	1.3
FSX 854	112.3	57.9	140.3	30.3	0.0
FSX 855	112.1	57.1	140.3	31.7	0.0
MAS#23	111.7	56.1	138.3	30.0	0.3
SW 550	111.4	57.3	141.3	31.0	0.0
SS 8340	110.5	59.5	139.3	31.3	2.0
MD04W8-12-3	110.4	60.1	137.0	33.0	0.3
USG 3523	110.4	56.7	141.0	31.7	1.7
FSX 856	110.1	57.5	140.0	33.0	1.0
VA10W-21	110.0	59.2	139.3	32.0	0.0
VA08MAS-369	109.6	59.1	138.3	29.0	0.0
Pioneer 25R40	109.4	57.5	140.3	25.0	0.0
USG 3251	108.4	57.5	141.0	30.7	0.0
FSX 853	108.4	56.2	139.7	29.3	0.0
MAS#10	107.2	56.7	140.7	30.7	0.0
MD05W56-12-5	106.9	58.3	137.0	30.3	1.0
Shirley	106.8	57.8	140.7	29.0	0.0
VA10W-123	106.8	57.4	136.3	33.3	1.3
FS 820	105.4	59.4	139.7	29.0	0.7
MBX 12-V-296	105.3	57.0	139.0	37.0	0.0
SS 8500	105.3	57.7	140.7	34.3	0.7
FSX 850	104.9	59.2	138.7	30.7	0.7
SS 8415 (VA07W-415)	104.8	58.1	139.3	31.7	3.3
MD05W10208-12-16	104.4	59.0	138.0	29.7	2.7
SW 53	104.2	58.9	137.7	29.0	3.0
MBX 11-V-258	103.5	57.6	140.3	32.3	0.0
MD04W249-11-7	103.4	59.0	138.7	33.3	5.0
Pioneer 25R77	103.2	57.6	139.7	29.7	2.7
FSX 852	103.0	55.2	140.0	32.3	0.0
MD04W249-11-12	103.0	59.3	140.3	32.3	1.0
9223.0	102.9	56.1	140.0	33.7	0.3
MAS#37	102.9	56.0	137.3	32.3	4.7
USG 3315	102.9	58.9	142.0	34.3	5.0
FS 888	102.6	59.3	141.3	32.3	2.0
MO9L-9547	102.5	57.7	138.7	32.0	0.0
Yorktown (VA 08W-294)	102.4	57.7	140.0	30.3	1.0
GA-041293-11E54	101.3	57.2	138.7	31.3	0.0
Pioneer 25R32	100.6	56.3	140.3	30.7	4.3
SS 8412	100.6	58.7	140.3	31.7	0.7
MAS#7	100.4	56.9	140.3	32.3	0.0
Chesapeake	100.2	58.9	140.0	32.0	3.3
MBX 14-K-297	100.1	55.5	140.7	33.0	0.0
MAS#33	100.1	58.3	138.7	31.3	0.0
MDC07026-12-30	100.0	58.6	140.3	32.0	5.7
FS 815	99.9	55.2	139.0	30.7	0.7
USG 3013	99.4	55.7	140.3	33.3	3.0
L-Brand 343	98.6	57.5	138.7	29.7	0.0
Pioneer 25R39	98.1	55.8	141.7	32.0	2.3
MBX 14-S-210	97.9	57.2	140.3	33.3	0.0
L-Brand 221	97.3	60.3	139.0	34.7	3.0
SS 5205	96.7	57.9	139.7	26.0	3.0
MAS#36	96.3	55.7	141.3	33.3	0.0
SW 575R	95.8	56.9	141.7	33.7	0.3
MAS#4	94.9	58.8	140.3	31.7	2.0
FSX 851	94.8	60.3	138.7	34.0	3.7
SY 007	91.9	57.7	137.7	32.7	0.0
9343.0	91.3	57.3	141.3	30.7	2.0
USG 3993	91.0	56.8	141.0	34.0	0.0
MBX 12-V-251	90.6	57.4	139.7	28.3	0.7
GA-041293-11LE37	89.5	57.8	138.3	31.0	0.0
MAS#2	89.4	56.2	142.0	37.0	7.7
SY 474	88.6	56.9	141.0	35.3	0.0
MBX 12-V-270	88.1	56.5	141.0	34.3	0.0
SS 8870	87.8	56.5	141.7	32.0	0.0
GA-04434-11E44	85.6	57.1	142.7	30.7	0.0
Mean	103.5	57.6	139.8	31.6	1.2
State Mean	78.5	59.5	137.9	31.0	1.2
LSD (0.05)	15.2	1.3	1.5	2.9	3.0
CV (%)	9.1	1.4	0.7	5.7	149.7

Yields in boldface are not significantly different from the highest yielding entry.

Table 7. Maryland State Wheat Variety Performance Trials at Keedysville, MD.				
Wheat Entry	Yield (Bu/A)	Test Weight (lbs/Bu)	Heading Date (Julian)	Height (inches)
MAS #35	87.1	62.1	144.0	30.0
SS 8360	86.9	61.5	145.0	30.0
MAS #37	86.2	60.7	142.0	30.5
SW 550	83.1	61.1	144.0	30.0
MAS #32	82.6	63.0	144.5	30.0
SW 575R	81.9	61.8	144.0	33.0
9343	81.7	62.2	146.5	32.0
USG 3013	81.7	59.4	145.0	33.0
Pioneer Brand 25R40	81.0	62.3	144.0	29.5
Pioneer Brand 25R39	80.1	59.7	145.5	32.5
FSX 850	79.7	60.0	144.0	32.5
MO9L-9547	79.7	61.7	144.0	31.5
MAS #10	78.5	62.2	146.5	29.0
MD04W249-11-7	77.9	65.4	144.0	33.0
FSX 856	77.6	60.4	142.5	32.5
MAS #23	76.7	60.9	144.0	30.5
MAS #36	76.7	60.5	144.0	33.0
USG 3201	75.8	62.1	143.5	29.5
MAS #4	75.8	63.8	144.5	29.0
L-Brand 343	75.2	63.8	143.5	31.5
FS 888	74.8	61.9	145.5	31.0
MAS #33	74.8	63.0	143.0	30.5
FS 815	74.6	59.7	143.5	31.0
MBX 12-W-270	74.4	59.6	144.5	30.0
GA-041293-11E54	73.9	62.3	145.5	32.5
MD04W249-11-12	73.8	64.4	143.5	30.5
FS 820	72.8	63.0	143.5	28.0
MAS #31	72.8	60.2	144.0	30.0
MD04W8-12-3	72.7	63.7	142.5	32.0
USG 3404	72.4	60.4	146.5	29.5
FSX 854	72.3	61.8	145.5	29.5
FSX 851	72.3	63.4	147.0	34.5
FSX 855	72.1	61.0	144.5	29.5
MD05W10208-12-16	72.0	65.7	143.5	30.0
SY 474	71.9	62.1	145.5	31.0
SS 8415 (VA07W-415)	71.8	60.1	144.5	29.5
VA10W-21	71.4	61.9	144.5	31.0
Chesapeake	71.2	62.1	143.5	29.5
MAS #2	71.1	62.1	146.0	32.5
9223	71.1	58.8	144.5	33.5
Pioneer Brand 25R32	70.8	61.0	145.5	29.5
FSX 853	70.4	59.9	145.0	29.0
MBX 12-W-296	69.7	59.7	143.0	35.0
MD05W56-12-5	68.4	63.2	143.5	31.5
USG 3993	68.1	60.1	145.0	31.0
SS 8870	67.8	60.4	146.5	29.5
USG 3251	67.7	61.4	146.0	29.5
MAS #7	67.1	58.1	143.5	29.0
VA08MAS-369	67.1	62.4	145.0	29.0
USG 3523	66.8	60.2	144.0	30.0
SY 007	66.8	60.6	143.5	32.0
MBX 14-S-210	66.3	61.2	144.5	31.0
MBX 14-K-297	65.6	57.9	145.5	32.5
SS 8500	65.5	59.7	145.0	34.0
SS 8340	65.4	63.2	145.5	27.5
SS 5205	65.2	62.3	143.0	26.5
MBX 11-V-258	65.1	60.4	145.0	32.0
SY 1526	65.0	61.5	145.0	31.0
L-Brand 221	64.9	60.3	146.5	35.5
SW 53	64.1	61.4	144.0	29.0
MAS #6	63.8	59.0	144.0	26.5
VA10W-123	62.6	60.9	143.5	32.0
MDC07026-12-30	62.4	62.4	145.0	29.5
GA-041293-11LE37	61.6	61.5	146.5	31.0
FSX 852	61.2	60.0	143.5	28.0
USG 3315	61.0	61.5	148.5	28.5
Shirley	60.5	59.3	148.0	26.0
GA-04434-11E44	59.5	59.9	148.0	30.0
Yorktown (VA 08W-249)	58.8	61.5	149.5	27.5
SS 8412	58.6	59.7	148.5	27.5
MBX 12-V-251	55.4	56.9	145.0	27.5
Pioneer Brand 25R77	52.5	59.5	145.5	26.5
Mean	71.1	61.2	144.8	30.5
State Mean	78.5	59.5	137.9	31.0
LSD (0.05)	18.2	2.5	2.4	3.5
CV (%)	12.5	2.0	0.8	5.7

Yields in boldface are not significantly different from the highest yielding entry.

Table 8. 2014 Maryland State Barley Variety Performance Trials Averaged Across 3 Environments: Quantico, Queenstown, and Clarksville, MD.

Barley Entry	Yield (Bu/A)	Test Weight (lbs/Bu)	Heading Date (Julian)	Height (Inches)	Lodging (0-9)
FS 950	99.8	47.2	129.9	33.0	4.0
Thoroughbred	97.4	48.9	129.1	28.0	0.3
Price	96.6	48.0	126.3	27.0	4.7
Atlantic	95.2	49.0	124.4	27.2	8.3
VA08B-85	93.0	48.4	125.7	26.0	1.3
MD06BCP6-12-7	88.4	48.8	127.1	30.4	2.3
MD08-09BF6-7-7	88.3	44.6	134.9	32.1	6.3
MD06BCP6-12-6	85.1	48.7	128.1	28.0	8.7
VA07H-31WS	84.7	55.5	132.9	30.8	5.7
FS 501	84.1	44.9	130.0	33.6	0.3
Means	92.3	48.5	128.8	29.6	4.2
LSD (0.05)	9.4	1.4	1.7	2.1	2.2
CV (%)	10.6	2.9	1.4	7.6	29.9

*Hulless

Yields in boldface are not significantly different from the highest yielding entry.

Table 9. Relative Yield of Barley Entries Compared to the Mean Yield of All Entries at Each Location and Throughout the State in 2014.

Barley Entry	State	Quantico	Queenstown	Clarksville
FS 950	108.1	113.2	113.1	104.7
Thoroughbred	105.6	98.6	124.6	101.2
Price	104.7	98.1	98.4	113.1
Atlantic	103.2	109.5	108.7	98.8
VA08B-85	100.8	96.7	93.5	108.3
MD06BCP6-12-7	95.8	99.7	97.0	94.7
MD08-09BF6-7-7	95.7	100.0	98.0	93.9
MD06BCP6-12-6	92.2	93.2	93.2	92.8
VA07H-31WS**	91.8	91.1	87.4	95.9
FS 501	91.1	*	86.0	96.6

*Plots lost due to deer damage.

**Hulless

Table 10. 2014 Maryland State Barley Variety Performance Trials at Quantico, MD.

Barley Entry	Yield (Bu/A)	Test Weight (lbs/Bu)	Heading Date (Julian)	Height (inches)
FS 950	79.2	49.3	126.0	33.0
Atlantic	76.7	50.3	121.0	28.0
MD08-09BF6-7-7	70.0	46.1	131.0	30.7
MD06BCP6-12-7	69.8	48.8	123.3	28.0
Thoroughbred	69.0	49.6	126.0	27.0
Price	68.6	48.7	122.3	27.0
VA08B-85	67.7	49.4	122.0	27.0
MD06BCP6-12-6	65.2	49.6	124.3	27.0
VA07H-31WS	63.7	59.4	129.0	29.3
FS 501	*	*	125.3	34.3
Mean	70.0	50.1	125.0	29.1
State Mean	92.3	48.5	128.8	29.6
LSD (0.05)	13.5	1.3	0.8	2.1
CV (%)	11.1	1.5	0.4	4.3

*Plots lost due to deer damage.

**Hulless

Yields in boldface are not significantly different from the highest yielding entry.

Table 11. 2014 Maryland State Barley Variety Performance Trials at Queenstown, MD.

Barley Entry	Yield (Bu/A)	Test Weight (lbs/Bu)	Heading Date (Julian)	Height (inches)
Thoroughbred	86.4	48.8	129.3	27.0
FS 950	78.4	44.6	133.7	30.0
Atlantic	75.4	48.5	125.3	24.3
Price	68.3	47.6	129.3	21.7
MD08-09BF6-7-7	68.0	42.2	139.0	32.7
MD06BCP6-12-7	67.3	48.2	130.0	28.3
VA08B-85	64.8	47.2	127.0	20.3
MD06BCP6-12-6	64.7	48.3	129.7	26.3
VA07H-31WS*	60.6	49.7	138.0	27.3
FS 501	59.7	43.5	135.3	30.3
Mean	69.4	46.9	131.7	26.8
State Mean	92.3	48.5	128.8	29.6
LSD (0.05)	16.9	0.8	2.6	4.3
CV (%)	14.2	1.0	1.1	9.3

*Hulless

Yields in boldface are not significantly different from the highest yielding entry.

Table 12. 2014 Maryland State Barley Variety Performance Trials at Clarksville, MD.

Barley Entry	Yield (Bu/A)	Test Weight (lbs/Bu)	Heading Date (Julian)	Height (inches)	Lodging (0-9)
Price	152.9	47.8	127.3	32.3	6.3
VA08B-85	146.5	48.5	128.0	30.7	8.7
FS 950	141.6	47.7	130.0	36.0	2.3
Thoroughbred	136.8	48.3	132.0	30.0	0.3
Atlantic	133.6	48.4	127.0	29.3	8.3
FS 501	130.6	45.1	129.3	36.0	4.7
VA07H-31WS	129.6	57.5	131.7	35.7	1.3
MD06BCP6-12-7	128.1	49.4	128.0	35.0	5.7
MD08-09BF6-7-7	126.9	45.4	134.7	33.0	0.3
MD06BCP6-12-6	125.4	48.3	130.3	30.7	4.0
Mean	135.2	48.6	129.8	32.9	4.2
State Mean	92.3	48.5	128.8	29.6	4.2
LSD (0.05)	14.8	0.9	1.7	1.7	2.2
CV (%)	6.4	1.1	0.8	2.9	29.9
*Hulless					
Yields in boldface are not significantly different from the highest yielding entry.					