

Table 1. 2011 Maryland State Wheat Variety Performance Trials Averaged Across 5 environments: Quantico (No-till), Queenstown (No-till), Queenstown, Clarksville, and Keedysville, MD.						
Wheat Entry	Yield (Bu/A)	Test Weight (Lbs/Bu)	Heading (Julian)	Height (inches)	Beards	
DG Shirley	<b>81.3</b>	54.6	129	34	No	
MAS-12	<b>81.0</b>	53.7	131	36	Yes	
SS Exp 8340	<b>80.7</b>	57.7	128	34	Yes	
MAS-14	<b>80.4</b>	58.1	129	38	No	
USG 3438	<b>80.0</b>	55.3	128	34	Yes	
MAS-5	<b>79.6</b>	54.6	130	35	Yes	
VA258	<b>79.6</b>	54.9	131	39	No	
USG 3770	<b>78.8</b>	57.4	128	34	Yes	
VA05W-251	<b>78.6</b>	55.6	130	34	No	
MAS-4	<b>78.4</b>	57.1	128	34	Yes	
USG 3201	<b>78.3</b>	57.5	128	34	Yes	
USG 3315	<b>78.1</b>	57.2	130	36	No	
MAS-2	<b>77.6</b>	55.6	131	41	No	
Branson	<b>77.2</b>	55.5	127	35	No	
Excel 166	<b>77.1</b>	57.8	128	34	No	
USG 3251	<b>77.1</b>	54.8	131	37	Yes	
FS 888	<b>76.9</b>	56.8	130	36	No	
DG9012	<b>76.9</b>	57.4	128	34	Yes	
DG9911	<b>76.5</b>	57.1	128	36	No	
SS 8700	<b>76.4</b>	55.9	131	37	Yes	
SS5205	75.9	57.7	128	32	No	
USG 3555	75.3	54.3	129	32	No	
MAS-13	75.2	55.4	129	41	No	
MAS-10	74.9	55.4	130	32	Yes	
USG 3409	74.8	54.9	129	36	No	
MAS-7	74.5	54.9	129	34	No	
FS 621	74.3	55.2	127	36	No	
Excel 234	74.3	57.6	129	38	No	
MAS-9	73.9	57.2	128	35	No	
Jamestown	73.9	58.4	127	34	Yes	
SS Exp 8500	73.8	55.6	128	37	Yes	
SS MPV57	73.8	54.7	131	37	No	
Chesapeake	73.7	56.4	128	34	No	
W1566 (MO4-4566)	73.4	53.7	129	39	No	
FS 627	73.2	54.6	129	37	No	
Excel 163	73.0	58.0	124	36	Yes	
MD03W665-09-1	72.9	55.7	131	35	No	
VA05W-139	72.8	54.3	131	33	No	
USG 3665	72.7	54.8	130	37	No	
FS 801	72.4	56.0	128	37	Yes	
SS 8302	72.3	55.9	130	37	Yes	
SS 520	72.3	55.0	127	37	No	
Merl (VA03W-412)	71.2	54.7	129	33	No	
SS 8404	70.7	57.6	130	32	Yes	
SS 8600	70.6	55.2	128	37	Yes	
SY 9978 (BO40798)	68.9	53.9	128	39	Yes	
USG 3592	68.8	54.6	130	38	No	
Excel 442	68.4	56.4	130	41	Yes	
Sisson	68.0	55.4	127	34	No	
MAS-3 (mildew check)	67.3	56.4	130	40	No	
GA-001138-8E36	66.4	52.1	132	41	Yes	
Coker 9553	65.8	56.9	128	35	Yes	
SS 560	65.2	54.0	131	34	No	
Oakes (BO30543)	63.5	55.6	130	35	No	
GA-00067-8E35	62.1	52.5	128	35	Yes	
MEANS	74.0	55.7	129	36		
LSD (0.05)	5.1	0.4	0.7	1		
CV (%)	9.6	2.2	0.8	4.5		
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 2011.						
Wheat entry	State	Quantico-NT	Wye	Wye-NT	Clarksville	Keedysville
DG Shirley	110	115	110	107	108	116
MAS-12	109	103	116	113	103	112
SS Exp 8340	109	103	108	110	113	106
MAS-14	109	100	107	99	114	126
USG 3438	108	105	109	107	104	115
MAS-5	108	105	112	98	115	104
VA258	108	113	118	97	106	106
USG 3770	107	112	102	100	110	116
VA05W-251	106	109	95	94	112	123
MAS-4	106	103	113	107	103	104
USG 3201	106	119	99	111	94	108
USG 3315	106	110	106	98	106	114
MAS-2	105	116	106	105	93	102
Branson	104	93	107	105	114	94
Excel 166	104	99	92	110	115	103
USG 3251	104	108	99	98	114	102
FS 888	104	93	105	107	108	103
DG9012	104	102	109	100	102	104
DG9911	103	106	110	102	92	124
SS 8700	103	109	91	104	115	99
SS5205	103	116	92	100	108	96
USG 3555	102	102	92	98	115	103
MAS-13	102	87	87	111	112	108
MAS-10	101	103	98	102	102	97
USG 3409	101	94	103	106	101	105
MAS-7	101	90	103	97	114	93
FS 621	100	97	99	111	91	103
Excel 234	100	99	90	103	102	103
MAS-9	100	112	103	108	77	104
Jamestown	100	102	106	100	96	100
SS Exp 8500	100	101	100	102	101	96
SS MPV57	100	93	98	89	109	106
Chesapeake	100	101	102	100	104	94
W1566 (MO4-4566)	99	93	110	101	88	103
FS 627	99	102	97	98	101	95
Excel 163	99	99	85	99	103	110
MD03W665-09-1	99	100	109	91	94	99
VA05W-139	98	94	99	101	94	105
USG 3665	98	88	94	107	99	106
FS 801	98	104	96	101	101	85
SS 8302	98	95	101	95	107	89
SS 520	98	108	97	96	90	101
Merl (VA03W-412)	96	93	102	97	99	88
SS 8404	96	97	96	90	101	92
SS 8600	95	95	100	97	98	86
SY 9978 (BO40798)	93	100	101	93	89	82
USG 3592	93	93	102	100	86	76
Excel 442	93	91	91	93	94	90
Sisson	92	89	96	96	89	87
MAS-3 (mildew check)	91	87	93	89	88	96
GA-001138-8E36	90	99	109	82	76	81
Coker 9553	89	94	90	88	94	84
SS 560	88	91	83	94	86	93
Oakes (BO30543)	86	85	79	96	70	102
GA-00067-8E35	84	101	87	88	79	61

<b>Table 3. Two-year and Three-year Averages of Grain Yield and Test Weight of Wheat Entries in Maryland, 2009-2011.</b>							
	<b>Yield</b>	<b>Test Weight</b>	<b>Yield</b>	<b>Test Weight</b>			
<b>Wheat entry</b>	<b>2-year</b>	<b>2-year</b>	<b>3-year</b>	<b>3-year</b>			
DG Shirley	82.2	56.5	NA	NA			
USG 3315	80.3	58.9	NA	NA			
USG 3438	80.0	57.6	NA	NA			
MAS-5	79.9	56.5	NA	NA			
MAS-4	78.5	58.8	79.3	58.0			
FS 888	78.5	58.5	NA	NA			
MAS-2	78.4	57.7	77.0	57.0			
USG 3770	78.3	58.6	77.5	57.5			
USG 3201	78.1	59.1	NA	NA			
Branson	78.0	57.4	78.9	56.3			
VA258	77.9	56.9	NA	NA			
SS5205	77.3	58.4	76.3	57.2			
SS 520	77.1	57.5	76.5	56.0			
FS 621	76.8	58.0	76.5	56.3			
USG 3251	76.8	57.2	NA	NA			
USG 3409	76.6	57.9	76.6	56.6			
MAS-10	76.5	57.4	NA	NA			
FS 627	76.2	57.4	75.8	56.3			
Jamestown	75.9	60.3	75.1	59.0			
Chesapeake	75.9	58.5	75.0	57.4			
W1566 (MO4-4566)	75.9	56.7	NA	NA			
USG 3665	75.4	56.7	75.6	55.6			
SS 8700	75.0	57.8	NA	NA			
USG 3592	74.6	58.0	73.0	56.6			
MAS-9	74.0	58.9	NA	NA			
Merl (VA03W-412)	73.5	57.7	73.7	56.8			
MAS-7	73.5	56.7	NA	NA			
SS MPV57	72.9	56.5	72.8	55.7			
SS 8600	72.9	57.3	NA	NA			
FS 801	72.8	57.8	74.5	56.9			
SY 9978 (BO40798)	72.7	56.8	NA	NA			
USG 3555	71.8	56.0	72.6	55.3			
SS 8302	70.9	57.8	70.7	56.8			
SS 8404	70.6	59.0	68.4	57.7			
Sisson	69.4	57.4	68.4	56.0			
Oakes (BO30543)	69.3	57.5	71.3	57.0			
Coker 9553	68.7	59.1	69.3	58.0			
MAS-3 (mildew check)	68.2	58.2	68.7	57.3			
SS 560	66.2	56.0	67.5	55.2			
NA= Not available							

Table 4. 2011 Maryland State Wheat Variety Performance Trials at Quantico (No-Till) , MD.				
Wheat Entry	YIELD (Bu/A)	Test Weight (Lbs/Bu)	Heading Julian	Height inches
USG 3201	<b>78.0</b>	59.1	121	33
MAS-2	<b>76.4</b>	58.6	123	40
SS5205	<b>75.9</b>	59.1	121	31
Shirley	<b>75.3</b>	56.7	121	31
VA258	<b>74.1</b>	56.6	122	35
MAS-9	<b>73.6</b>	58.5	120	34
USG 3770	<b>73.3</b>	59.1	121	31
USG 3315	<b>72.3</b>	57.4	123	33
SS 8700	<b>71.5</b>	56.8	123	36
VA05W-251	<b>71.4</b>	57.6	123	31
USG 3251	<b>71.1</b>	56.5	123	34
SS 520	<b>70.6</b>	56.7	120	35
DG9911	<b>69.6</b>	58.3	120	34
MAS-5	<b>68.8</b>	55.6	123	33
USG 3438	<b>68.6</b>	56.5	121	31
FS 801	<b>68.0</b>	58.8	121	36
MAS-10	<b>67.9</b>	58.2	122	31
MAS-4	<b>67.9</b>	58.1	121	32
SS Exp 8340	<b>67.8</b>	58.3	121	33
MAS-12	<b>67.4</b>	56.0	123	34
FS 627	<b>67.0</b>	55.7	122	34
DG9012	<b>67.0</b>	59.3	121	32
Jamestown	<b>66.8</b>	59.6	121	32
USG 3555	<b>66.7</b>	55.8	122	30
GA-00067-8E35	66.4	57.9	121	34
SS Exp 8500	66.2	57.5	120	34
Chesapeake	66.0	57.7	121	31
MAS-14	65.7	56.7	121	35
MD03W665-09-1	65.7	59.3	123	33
SY 9978 (BO40798)	65.6	57.8	120	37
GA-001138-8E36	65.3	58.3	125	41
Excel 163	65.3	59.6	119	34
Excel 166	65.3	58.4	121	31
Excel 234	65.2	57.6	122	35
FS 621	64.0	56.1	121	33
SS 8404	63.7	59.8	122	31
SS 8600	62.5	58.5	121	35
SS 8302	62.1	58.2	123	34
Coker 9553	61.8	59.3	122	33
VA05W-139	61.7	57.3	123	32
USG 3409	61.5	56.3	122	33
W1566 (MO4-4566)	61.3	56.8	122	36
USG 3592	61.2	57.6	123	36
Merl (VA03W-412)	61.0	57.8	122	31
SS MPV57	60.9	57.0	123	34
Branson	60.9	56.5	120	32
FS 888	60.9	57.5	123	33
SS 560	60.0	56.9	123	33
Excel 442	59.8	57.1	122	39
MAS-7	59.2	56.5	123	32
Sisson	58.5	57.5	120	30
USG 3665	57.7	55.3	122	34
MAS-3 (mildew check)	57.0	57.2	122	39
MAS-13	56.9	56.5	121	38
Oakes (BO30543)	55.5	57.6	123	35
Means	65.6	57.6	122	34
State Means	74.0	55.7	129	36
LSD (0.05)	11.5	1.3	1	2
C.V.	10.8	1.4	0.5	3.1
Yields in boldface are not significantly different from the highest yielding entry				

Table 5. 2011 Maryland State Wheat Variety Performance Trials at Queenstown , MD.				
Wheat Entry	YIELD (Bu/A)	Test Weight (Lbs/Bu)	Heading Julian	Height inches
VA258	93.1	56.5	126.0	38.0
MAS-12	91.5	54.5	127.7	35.7
MAS-4	89.0	58.8	125.0	34.3
MAS-5	88.6	56.2	127.3	34.3
W1566 (MO4-4566)	87.2	57.6	124.0	40.0
DG9911	87.2	58.5	124.0	36.7
DG Shirley	86.7	57.0	124.7	34.3
DG9012	86.2	58.7	125.0	32.7
MD03W665-09-1	86.1	57.3	127.0	35.3
GA-001138-8E36	85.9	53.9	127.7	39.3
USG 3438	85.9	56.8	124.0	33.7
SS Exp 8340	85.1	59.0	124.3	33.7
Branson	84.4	57.8	123.0	34.0
MAS-14	84.1	59.4	125.7	37.7
USG 3315	84.0	59.3	125.0	34.0
MAS-2	83.5	56.6	128.0	39.7
Jamestown	83.4	60.1	123.3	33.3
FS 888	82.7	58.4	126.0	34.7
MAS-7	81.6	57.2	126.0	33.0
USG 3409	81.3	55.7	125.0	34.3
MAS-9	81.1	58.3	123.3	34.7
USG 3592	80.7	57.8	125.0	38.3
Chesapeake	80.6	58.6	124.0	34.7
USG 3770	80.3	59.2	124.3	31.3
Merl (VA03W-412)	80.2	58.1	124.7	31.0
SY 9978 (BO40798)	79.7	57.9	123.7	37.0
SS 8302	79.7	58.4	125.7	35.7
SS Exp 8500	78.8	57.8	123.0	37.3
SS 8600	78.7	58.3	124.0	35.3
USG 3251	78.4	56.3	127.7	34.0
FS 621	78.3	57.0	123.3	37.0
USG 3201	78.3	59.1	124.7	32.7
VA05W-139	77.8	57.3	126.7	32.0
MAS-10	77.5	56.3	126.7	31.0
SS MPV57	77.4	57.1	126.3	34.7
FS 627	76.6	56.2	125.0	36.3
SS 520	76.5	56.9	123.0	36.3
Sisson	75.6	57.8	122.7	34.7
FS 801	75.6	58.6	124.0	35.3
SS 8404	75.6	59.7	125.7	30.0
VA05W-251	75.4	56.6	125.0	34.7
USG 3665	74.1	56.4	125.0	33.7
MAS-3 (mildew check)	73.6	57.8	125.7	38.7
USG 3555	72.9	56.0	125.0	31.0
SS5205	72.6	58.5	124.7	29.7
Excel 166	72.6	59.7	124.7	32.7
Excel 442	71.9	58.1	127.0	42.0
SS 8700	71.5	58.5	128.0	36.0
Coker 9553	71.3	59.1	123.0	34.3
Excel 234	70.7	58.4	126.3	36.0
GA-00067-8E35	69.0	56.0	124.0	32.0
MAS-13	68.6	55.0	124.3	39.0
Excel 163	66.8	59.0	121.0	35.3
SS 560	65.1	57.1	127.7	33.0
Oakes (BO30543)	62.3	57.4	125.0	32.3
Means	79.0	57.6	125	35
State Means	74.0	55.7	129	36
LSD (0.05)	10.7	1.2	2	3
C.V.	8.4	1.3	0.8	4.5
Yields in boldface are not significantly different from the highest yielding entry				

Table 6. 2011 Maryland State Wheat Variety Performance Trials at Queenstown (No-Till) , MD.							
Wheat Entry	YIELD (Bu/A)	Test Weight (Lbs/Bu)	Heading Julian	Height inches			
MAS-12	<b>89.5</b>	50.3	129	34			
MAS-13	<b>88.2</b>	53.6	128	42			
FS 621	<b>88.2</b>	56.1	126	36			
USG 3201	<b>87.9</b>	55.9	128	33			
SS Exp 8340	<b>87.5</b>	56.5	127	34			
Excel 166	<b>87.2</b>	58.4	126	34			
MAS-9	<b>85.8</b>	56.5	126	36			
FS 888	<b>85.2</b>	55.7	129	36			
MAS-4	<b>85.0</b>	55.2	127	34			
USG 3438	<b>84.8</b>	55.9	127	33			
Shirley	<b>84.7</b>	53.6	129	33			
USG 3665	<b>84.5</b>	55.6	128	38			
USG 3409	<b>84.1</b>	55.1	128	36			
Branson	<b>83.7</b>	55.4	126	34			
MAS-2	<b>83.2</b>	51.9	129	41			
SS 8700	<b>82.5</b>	54.8	129	36			
Excel 234	<b>81.5</b>	56.7	128	39			
SS Exp 8500	<b>80.9</b>	57.5	125	37			
DG9911	<b>80.8</b>	54.7	126	35			
MAS-10	<b>80.7</b>	53.1	129	30			
W1566 (MO4-4566)	<b>80.3</b>	52.7	128	38			
VA05W-139	<b>80.3</b>	51.1	130	34			
FS 801	<b>80.0</b>	56.3	127	37			
USG 3592	79.7	52.3	128	38			
Chesapeake	79.5	54.7	127	32			
USG 3770	79.5	53.9	127	33			
Jamestown	79.4	57.6	127	34			
DG9012	79.1	54.5	128	33			
SS5205	78.9	57.8	128	32			
Excel 163	78.6	57.4	122	36			
MAS-14	78.3	58.4	128	36			
MAS-5	78.1	53.2	128	34			
USG 3555	78.0	50.6	129	33			
USG 3251	77.9	50.5	129	36			
USG 3315	77.7	55.4	129	36			
FS 627	77.3	53.7	128	36			
VA258	77.3	53.2	130	39			
Merl (VA03W-412)	77.2	48.0	129	33			
SS 8600	76.9	54.2	127	37			
MAS-7	76.7	51.3	129	33			
Sisson	76.5	55.8	127	34			
SS 520	76.3	55.0	126	36			
Oakes (BO30543)	76.2	52.0	131	36			
SS 8302	75.4	52.2	130	36			
VA05W-251	74.8	53.7	130	33			
SS 560	74.6	53.5	130	34			
SY 9978 (BO40798)	73.7	52.3	128	38			
Excel 442	73.5	55.0	129	40			
MD03W665-09-1	72.4	50.4	129	36			
SS 8404	71.7	54.7	129	33			
MAS-3 (mildew check)	70.6	55.5	129	40			
SS MPV57	70.2	50.0	129	36			
GA-00067-8E35	69.9	51.9	126	34			
Coker 9553	69.7	56.5	128	34			
GA-001138-8E36	65.1	44.2	131	42			
Means	79.3	53.9	128	35			
State Means	74.0	55.7	129	36			
LSD (0.05)	10.5	3.5	2	2			
C.V.	8.2	4.0	0.8	3.9			
Yields in boldface are not significantly different from the highest yielding entry							

Table 7. 2011 Maryland State Wheat Variety Performance Trials at Clarksville, MD.							
Wheat Entry	YIELD	Test Weight	Heading	Height	Lodging	Head Blight	Soil Virus
	(Bu/A)	(Lbs/Bu)	Julian	inches	(0-9)	(0-9)	(0-9)
Excel 166	<b>93.0</b>	59.5	132	39	2.0	3.3	0.7
SS 8700	<b>92.7</b>	58.3	136	42	6.3	4.5	0.0
USG 3555	<b>92.6</b>	57.6	133	36	1.7	5.3	0.0
MAS-5	<b>92.4</b>	55.9	135	40	1.3	4.2	0.0
MAS-14	<b>92.0</b>	60.7	134	42	7.7	2.0	0.3
MAS-7	<b>92.0</b>	57.8	132	38	2.3	2.8	0.0
Branson	<b>91.7</b>	57.0	131	39	1.0	4.7	0.3
USG 3251	<b>91.5</b>	57.8	135	41	1.3	4.3	0.0
SS Exp 8340	<b>90.9</b>	59.8	133	36	1.3	3.5	2.0
VA05W-251	<b>90.6</b>	57.4	136	38	4.7	4.7	0.0
MAS-13	<b>90.0</b>	58.7	134	43	2.3	2.5	0.0
USG 3770	<b>88.9</b>	60.2	133	38	1.7	3.2	0.0
SS MPV57	<b>87.7</b>	57.4	138	40	6.0	6.0	0.0
Shirley	<b>87.2</b>	55.6	134	38	0.3	6.7	0.3
FS 888	<b>87.2</b>	59.0	136	41	4.3	2.7	0.0
SS5205	<b>87.1</b>	59.2	134	34	2.0	4.7	0.7
SS 8302	<b>86.0</b>	59.0	134	42	0.0	2.8	0.0
VA258	<b>85.7</b>	56.6	135	44	5.3	5.7	0.0
USG 3315	<b>85.0</b>	59.2	135	39	5.0	3.0	0.0
USG 3438	<b>84.2</b>	55.9	132	36	0.0	6.0	0.0
Chesapeake	<b>83.5</b>	59.4	132	38	5.3	6.0	0.0
Excel 163	<b>83.2</b>	59.1	128	40	3.7	2.3	0.0
MAS-12	<b>82.8</b>	55.9	136	39	3.0	2.3	0.3
MAS-4	<b>82.7</b>	58.6	134	39	1.3	2.0	1.0
DG9012	<b>82.5</b>	59.3	134	37	0.3	1.7	0.7
Excel 234	<b>82.3</b>	59.3	134	41	5.3	2.5	1.7
MAS-10	<b>82.0</b>	56.9	135	37	0.0	2.7	0.3
SS 8404	<b>81.7</b>	59.8	134	36	0.0	3.7	0.3
FS 627	<b>81.5</b>	57.6	133	41	0.3	8.0	0.3
USG 3409	<b>81.3</b>	57.5	134	40	0.7	6.7	0.0
FS 801	<b>81.1</b>	56.4	133	40	0.0	6.7	0.0
SS Exp 8500	<b>81.0</b>	56.1	136	40	3.0	6.7	0.7
USG 3665	<b>79.8</b>	56.9	134	44	4.0	5.7	0.0
Merl (VA03W-412)	<b>79.8</b>	58.0	134	38	2.7	7.0	1.3
SS 8600	79.1	56.3	134	39	1.0	7.0	0.0
Jamestown	77.2	60.4	131	38	0.7	4.3	0.0
USG 3201	76.1	59.0	134	38	2.0	2.7	0.0
Coker 9553	76.0	58.3	132	39	0.3	6.7	0.3
MD03W665-09-1	75.9	59.0	137	38	3.0	4.0	0.7
VA05W-139	75.8	55.5	136	35	0.0	5.0	0.3
Excel 442	75.4	58.5	135	42	0.7	2.3	0.0
MAS-2	74.7	58.2	138	46	6.0	2.7	0.0
DG9911	74.1	59.0	135	38	2.7	2.0	4.3
FS 621	73.7	56.4	132	37	5.0	8.3	3.0
SS 520	72.9	56.0	132	42	4.0	8.7	2.7
Sisson	71.5	55.3	132	37	1.7	7.7	2.3
SY 9978 (BO40798)	71.3	54.9	134	42	5.0	7.3	0.0
MAS-3 (mildew check)	71.3	58.1	138	42	5.7	2.3	0.7
W1566 (MO4-4566)	70.5	53.0	135	40	0.7	6.0	2.3
USG 3592	69.3	56.1	136	42	4.7	7.3	0.0
SS 560	69.1	54.4	136	38	1.0	7.3	0.0
GA-00067-8E35	63.7	53.1	132	38	0.0	8.3	0.3
MAS-9	62.3	58.0	138	34	2.0	2.0	8.0
GA-001138-8E36	61.6	55.8	138	45	4.3	6.0	0.0
Oakes (BO30543)	56.3	56.6	138	34	0.3	2.3	6.0
Means	80.6	57.5	134	39	2.5	4.7	0.8
State Means	74.0	55.7	129	36	2.5	4.7	0.8
LSD (0.05)	13.4	1.5	1	4	3.3	1.4	2.0
C.V.	10.3	1.6	0.7	5.8	82.2	19.1	161.9
Yields in boldface are not significantly different from the highest yielding entry							

Table 8. 2011 Maryland State Wheat Variety Performance Trials at Keedysville, MD.				
Wheat Entry	YIELD (Bu/A)	Test Weight (Lbs/Bu)	Heading Julian	Height inches
MAS-14	<b>85.8</b>	56.8	135	39.0
DG9911	<b>84.3</b>	57.6	133	38.5
VA05W-251	<b>83.4</b>	54.0	137	34.0
Shirley	<b>78.8</b>	51.3	138	35.5
USG 3770	<b>78.7</b>	55.8	134	33.0
USG 3438	<b>78.5</b>	52.6	134	34.0
USG 3315	<b>77.8</b>	56.8	138	37.0
MAS-12	<b>75.9</b>	52.8	137	36.5
Excel 163	<b>75.1</b>	55.7	131	37.5
MAS-13	<b>73.7</b>	54.7	136	42.0
USG 3201	<b>73.7</b>	56.1	135	34.0
SS MPV57	<b>72.5</b>	53.0	139	37.0
SS Exp 8340	<b>72.4</b>	56.2	133	33.5
USG 3665	<b>72.0</b>	51.4	139	39.0
VA258	<b>72.0</b>	52.7	139	40.5
VA05W-139	<b>71.4</b>	52.4	138	34.5
USG 3409	<b>71.4</b>	52.2	136	37.0
DG9012	<b>71.1</b>	56.3	134	36.5
MAS-9	<b>71.0</b>	55.7	132	37.5
MAS-4	<b>70.8</b>	55.5	135	34.0
MAS-5	70.6	52.8	138	33.5
USG 3555	70.2	53.5	138	32.5
Excel 234	70.1	57.1	134	38.0
FS 888	70.1	54.7	138	38.5
Excel 166	69.9	54.4	137	33.5
W1566 (MO4-4566)	69.9	50.1	136	41.0
FS 621	69.9	51.5	132	37.5
USG 3251	69.7	54.6	139	38.5
Oakes (BO30543)	69.3	56.2	135	37.5
MAS-2	69.2	53.4	138	40.0
SS 520	68.8	52.2	132	38.0
Jamestown	67.8	56.3	133	35.0
MD03W665-09-1	67.6	54.2	139	34.5
SS 8700	67.4	53.3	138	37.0
MAS-10	66.2	53.4	138	33.0
MAS-3 (mildew check)	65.6	54.4	138	39.0
SS Exp 8500	65.6	51.1	137	35.0
SS5205	65.0	55.5	133	32.0
FS 627	64.7	51.3	137	36.5
Branson	64.3	51.6	134	34.5
Chesapeake	63.7	52.7	134	36.0
MAS-7	63.5	53.0	137	35.0
SS 560	63.3	50.2	139	35.0
SS 8404	62.9	55.2	137	32.0
Excel 442	61.5	54.4	137	43.0
SS 8302	60.5	53.8	138	37.0
Merl (VA03W-412)	59.7	53.2	135	33.0
Sisson	59.4	51.8	132	34.0
SS 8600	58.3	51.0	133	38.0
FS 801	58.0	51.5	134	36.5
Coker 9553	56.9	52.9	134	38.5
SY 9978 (BO40798)	56.2	47.7	136	40.0
GA-001138-8E36	55.1	48.8	140	41.5
USG 3592	51.6	50.3	138	37.5
GA-00067-8E35	41.7	44.1	135	36.0
Means	68.1	53.3	136	37
State Means	74.0	55.7	129	36
LSD (0.05)	15.0	2.1	3	3
C.V.	11.0	1.9	1.1	4.2
Yields in boldface are not significantly different from the highest yielding entry				

<b>Table 9. 2011 Maryland Barley Variety Performance Trials Averaged Across 4 locations: Poplar Hill, Queenstown, Clarksville, and Keedysville, MD.</b>						
<b>Barley Entry</b>	<b>YIELD (Bu/A)</b>	<b>Test Weight (Lbs/Bu)</b>	<b>HEADING Julian</b>	<b>HEIGHT inches</b>	<b>Lodging (0-9)</b>	<b>Beards</b>
Atlantic	<b>107.1</b>	49.0	116	30	1.2	Yes
FS 950	<b>103.5</b>	45.5	120	38	3.3	Yes
Thoroughbred	96.5	47.6	120	33	1.3	Yes
MD02B27-08-16HD	94.9	50.6	116	33	5.9	Yes
Nomini	93.8	46.4	117	37	1.7	No
Price (VA96-44-321)	91.5	46.8	119	30	3.5	Yes
Barsoy	91.3	51.7	114	34	2.9	Yes
FS 501	84.1	45.2	119	41	5.0	No
Dan* (VA03H-61)	81.2	58.8	121	33	3.0	Yes
Means	93.3	49.2	118	34	3.0	
LSD (0.05)	8.0	1.8	1	1	2.2	
C.V.	9.5	4.1	0.8	4.2	57.2	
<b>Yields in boldface are not significantly different from the highest yielding entry</b>						
<b>*Indicates Hulless</b>						
<b>Table 10. Relative Yield of Barley Entries Compared to the Mean Yield of All Entries at Each Location and Throughout the State in 2011.</b>						
<b>Barley entry</b>	<b>STATE</b>	<b>Quantico</b>	<b>Queenst'n</b>	<b>Cville</b>	<b>Keedys</b>	
Atlantic	115	119	108	122	106	
FS 950	111	118	125	96	107	
Thoroughbred	103	91	109	103	108	
MD02B27-08-16HD	102	110	106	98	92	
Nomini	101	87	99	108	104	
Price (VA96-44-321)	98	98	99	99	94	
Barsoy	98	84	93	106	103	
FS 501	90	93	86	81	99	
Dan* (VA03H-61)	87	80	80	90	94	
<b>*Indicates Hulless</b>						
<b>Table 11. Two-year and three-year averages of grain yield and test weight of barley entries in Maryland, 2009-2011.</b>						
	<b>Yield 2-year</b>	<b>Test Weight 2-year</b>	<b>Yield 3-year</b>	<b>Test Weight 3-year</b>		
Nomini	107.4	46.1	96.9	45.6		
FS 950	105.2	45.9	96.5	45.8		
MD02B27-08-16HD	104.5	50.2	NA	NA		
Thoroughbred	102.0	47.7	100.5	47.4		
Barsoy	95.8	50.6	87.9	50.2		
FS 501	94.4	45.0	87.5	44.6		
Dan* (VA03H-61)	90.8	60.3	83.9	59.5		
<b>*Indicates Hulless</b>						

Table 12. 2011 Maryland Barley Variety Performance Trials at Quantico, MD						
Barley Entry	YIELD (Bu/A)	Test Weight (Lbs/Bu)	Heading Julian	Height inches	Lodging (0-9)	
Atlantic	103.1	49.0	111	31	1.8	
FS 950	102.1	45.5	116	38	1.7	
MD02B27-08-16HD	95.2	50.6	112	32	4.3	
Price (VA96-44-321)	85.1	46.8	115	31	2.0	
FS 501	80.8	45.2	115	41	3.0	
Thoroughbred	78.3	47.6	116	33	1.0	
Nomini	75.1	46.4	112	39	2.3	
Barsoy	72.5	51.7	108	34	1.3	
Dan* (VA03H-61)	69.1	58.8	117	32	1.0	
MEANS	86.5	51.2	113	34	2.0	
STATE Means	93.3	49.2	118	34	3.0	
LSD (0.05)	NS	4.5	1	2	2.0	
CV (%)	16.4	5.1	0.6	4.1	58.5	
*Indicates Hulless						

Table 13. 2011 Maryland Barley Variety Performance Trials at Queenstown, MD						
Barley Entry	YIELD (Bu/A)	Test Weight (Lbs/Bu)	HEADING Julian	HEIGHT inches		
FS 950	<b>108.0</b>	44.6	118	38		
Thoroughbred	<b>94.1</b>	45.8	116	32		
Atlantic	93.3	46.8	113	31		
MD02B27-08-16HD	91.7	51.3	114	32		
Price (VA96-44-321)	85.8	46.1	116	29		
Nomini	85.7	43.8	114	37		
Barsoy	80.8	52.5	110	31		
FS 501	74.7	45.1	117	40		
Dan* (VA03H-61)	69.7	54.2	119	32		
MEANS	86.7	48.0	115	33		
STATE	93.3	49.2	118	34		
LSD (0.05)	14.0	3.5	3	4		
CV (%)	7.1	3.2	1.1	5.6		
Yields in boldface are not significantly different from the highest yielding entry						
*Indicates Hulless						

Table 14. 2011 Maryland Barley Variety Performance Trials at Clarksville, MD						
Barley Entry	YIELD (Bu/A)	Test Weight (Lbs/Bu)	HEADING Julian	HEIGHT inches	P Mildew (0-9)	Lodging (0-9)
Atlantic	<b>134.3</b>	49.1	121	31	0.0	0.5
Nomini	<b>118.5</b>	45.8	120	37	0.0	1.0
Barsoy	116.8	50.7	119	38	4.5	4.5
Thoroughbred	113.4	47.6	123	34	7.0	1.5
Price (VA96-44-321)	108.5	46.8	121	31	0.0	5.0
MD02B27-08-16HD	107.5	50.2	120	34	0.0	7.5
FS 950	105.3	47.3	121	38	0.0	5.0
Dan* (VA03H-61)	99.0	59.7	123	33	2.5	5.0
FS 501	89.0	44.5	121	42	0.0	7.0
<b>MEANS</b>	109.8	48.6	121	35	4.5	1.4
<b>STATE</b>	93.3	49.2	118	34	4.5	3.0
<b>LSD (0.05)</b>	16.7	1.8	2	4	5.5	0.8
<b>CV (%)</b>	6.7	1.6	0.7	4.9	55.1	23.8
Yields in boldface are not significantly different from the highest yielding entry						
*Indicates Hulless						
Table 15. 2011 Maryland Barley Variety Performance Trials at Keedysville, MD						
Barley Entry	YIELD (Bu/A)	Test Weight (Lbs/Bu)	HEADING Julian	HEIGHT inches		
Thoroughbred	<b>100.1</b>	47.2	124	32		
FS 950	<b>98.8</b>	45.7	127	39		
Atlantic	<b>97.7</b>	49.0	121	29		
Nomini	<b>96.0</b>	46.7	121	37		
Barsoy	<b>94.9</b>	50.8	119	32		
FS 501	<b>91.9</b>	43.6	123	42		
Dan (VA03H-61)	87.0	57.8	125	35		
Price (VA96-44-321)	86.6	47.4	123	29		
MD02B27-08-16HD	85.3	49.6	121	33		
<b>MEANS</b>	92.5	48.6	123	34		
<b>STATE</b>	93.3	49.2	118	34		
<b>LSD (0.05)</b>	8.5	3.4	2	2		
<b>CV (%)</b>	5.4	4.0	1.0	3.0		
Yields in boldface are not significantly different from the highest yielding entry						
*Indicates Hulless						