



Virginia Cooperative Extension

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Virginia Small Grain Official Variety Trials, 2025

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Introduction

The following tables present results from the wheat and barley variety trial conducted in Virginia between 2023 and 2025. These small grain variety performance tests are conducted each year in Virginia by the Virginia Tech School of Plant and Environmental Sciences and the Virginia Agricultural Experiment Station. The tests provide information to assist Virginia Cooperative Extension Service agents in formulating cultivar recommendations for small grain producers and to companies developing cultivars and/or marketing seed within the state. Yield data are given for individual locations and across locations and years; yield and other performance characteristics are averaged over the number of locations indicated in parenthesis near the column heading. Performance of a given variety often varies widely over locations and years, which makes multiple location-year averages a more reliable indication of expected performance than data from a single year or location. Details about management practices for barley and wheat are listed for each experiment location.

Acknowledgement

Appreciation is expressed to the Virginia Small Grains Check-Off Board, AgriMAXX, CORTEVA Agriscience Agriculture Division of DowDuPont, Eddie Mercer Agri-Services, Inc., Erwin-Keith, Inc., Featherstone Farm Seed, Inc., KWS Cereals, Limagrain Cereal Seeds, Local Seed Company, Meherrin Ag & Chemical, Mid-Atlantic Seeds, Nutrien Ag Solutions, Syngenta Seeds, Inc., UniSouth Genetics, Inc., Winfield United, and the Virginia Crop Improvement Association for their financial support of the Small Grains Variety Testing Program at Virginia Tech.

The 2024-25 Growing Season

The 2025 growing conditions for small grains in Virginia were generally favorable, particularly during the spring, which allowed for good development and harvest. The improved weather followed a very difficult 2024 season that was characterized by drought and heat. The season was marked by adequate rainfall in the spring and was largely saved from the extreme heat and dry spells experienced in the summer. Early season saw cold, wet, and muddy conditions, with some periods of ice storms and flooding, which helped replenish soil moisture. The spring months brought ample rain that provided sufficient moisture for small grains to develop well. A wet spring continued into early summer, helping to sustain crop growth despite some abnormally dry conditions reported in parts of the state. The rain diminished in July, leading to drought stress for some crops, but the earlier moisture was enough to save the small grains. A period of heat and low precipitation around the maturation stage allowed for an earlier-than-normal harvest, which was beneficial for growers. Small grain crops benefited from the sufficient moisture earlier in the year. The wet conditions, however, increased disease pressure in some regions. Eastern and Southern Virginia experienced very high infection rates of barley yellow dwarf virus in early-planted fields. Leaf rust appeared earlier than usual, negatively impacting yields in Eastern Virginia and the Eastern Shore where fungicides were not applied. Moderate pressure for Fusarium head blight (scab) was observed across most of the state but came on later than in typical years. The dry, warm weather during maturation provided ideal conditions for small grain harvesting.

Companies Participating in the Virginia Small Grains Official Variety Trials, 2025

Table 1.1. Barley

Company	Address
Limagrain Cereal Seeds (LCS)	7099 Parkbrook Lane, Cordova, TN 38018
Oregon State University	253A Crop Science Building 3050 SW Campus Way Corvallis, OR 97330
Virginia Tech and Virginia Crop Improvement Association (VT and VCIA)	9142 Atlee Station Road, Mechanicsville, VA 23116

Table 1.2. Wheat

Company	Address
AgriMAXX Wheat Company	7167 Highbanks Road, Mascoutah, IL 62258
AgriPro	1521 N Convent Street Suite 200, Bourbonnais, IL 60914
CROPLAN	1080 County Road F West, MS 5850, Shoreview, MN 55126-2910
CORTEVA Agriscience Agriculture Division of DowDuPont (Pioneer)	974 Centre Rd, Chestnut Run Plaza Bldg. 735, Wilmington, DE 19805
Eddie Mercer Agri-Services, Inc. (Mercer Brand)	6900 Linganore Road, Frederick, MD 21701
Erwin-Keith, Inc. (Progeny Ag Products)	1529 Highway 193, Wynne, AR 72396
Featherstone Farm Seed, Inc.	13941 Genito Road, Amelia, VA 23002
University of Florida	3105 McCarty Hall B, Gainesville, FL 32611
University of Georgia	1109 Experiment Street, Griffin, GA 30223
GROWMARK (FS Wheat)	1701 Towanda Avenue, Bloomington, IL 61722
KWS Cereals	495 County Road 1300 N, Champaign, IL 61822
Local Seed Company LLC	802 Rozelle Street, Memphis, TN 38104
Meherrin Agricultural & Chemical Company (Southern Harvest)	4136 Severn Road, Severn, NC 27877
Mid-Atlantic Seeds	204 St. Charles Way, #163E, York, PA 17402
NC State University (SunGrains)	840 Method Road Unit 3, Raleigh, NC 27695-7629
Nutrien Ag Solutions (Dyna-Gro Seed)	15277 Richmond-Tappahannock Highway, St Stephens Church, VA 23148
UniSouth Genetics, Inc. (USG)	3205 C Highway 46S, Dickson, TN 37055
Virginia Tech and Virginia Crop Improvement Association (VT and VCIA)	9142 Atlee Station Road, Mechanicsville, VA 23116

Virginia Tech Barley Varieties

For more than ten years, the Virginia Tech Barley Breeding program has been conducting barley research funded by commodity boards (Virginia Small Grains Board, Maryland Grain Producer Utilization Board, and Kentucky Small Grains Growers Association), American Malting Barley Association, Brewers Association and the US Wheat and Barley Scab Initiative. The goal of the breeding program is to develop high yielding, disease resistant barley cultivars adapted to the mid-Atlantic and southeastern US region and with qualities designed for specific end uses (feed, malt, food, and others). Overall, our intent is to make winter barley a more competitive crop in the eastern US by implementing a program to develop barley cultivars with greater marketability in both domestic and foreign markets.

Table 1. Performance of entries in the Virginia Tech Barley Test, 6 site-years, 2025.

Line	Grain Yield, bu/ac (6)		Test Weight, lb/bu (6)		Heading Date, Julian (2)		Height, In (2)		Lodging, 0-9 (4)		Powdery Mildew, 0-9 (2)		Spot Blotch 0-9 (1)
18/253/54	99.2	+	48.3		115.8	+	33.4		0.8		0.3		4.0
18/252/16	98.8	+	49.0		115.5	+	33.8	+	0.5		0.8		3.0
19/262/36	98.2	+	46.2	-	114.4	+	32.8		0.3		0.1		4.0
KWS Chillis	96.4	+	45.8	-	117.5	+	34.4	+	1.4		0.3		5.0
VA22M-205	95.8	+	51.2	+	114.8	+	31.5		1.1		0.5		5.5
VA22B-337	93.5	+	48.9		113.6		33.3		2.5		0.5		2.0
VA21B-6 LA	92.6		50.2	+	110.1	-	33.0		0.7		0.3		3.5
19/312/39	92.5		47.3	-	115.8	+	32.0		1.0		0.3		3.0
KWS Antonis	91.4		48.0		117.1	+	34.9	+	0.0		0.5		4.0
18/252/55	91.3		49.2		117.3	+	31.6		0.6		0.3		5.0
VA23B-727	90.8		49.9	+	110.4	-	29.9		0.7		0.6		4.5
VA18B-34	90.7		49.9	+	111.0		27.8	-	0.3		0.1		5.0
KWS Avatis	90.5		48.2		119.1	+	30.8		0.1		0.5		5.5
17/310/65	90.4		49.4		112.9		32.6		2.4		0.5		6.0
16/476/18	90.2		48.3		115.5	+	30.0		0.3		0.3		5.0
VA23B-744	89.7		51.1	+	109.8	-	32.5		0.5		0.1		5.5
VA22B-342	89.7		49.0		112.5		32.3		2.6		0.3		4.5
SB255	89.6		49.7		111.5		33.8	+	0.2		0.6		4.0
16/449/77	89.6		48.8		113.0		30.9		0.4		0.3		3.0
VA22B-354	89.2		47.2	-	112.5		34.0	+	1.3		0.5		4.5
VA23B-726	89.2		48.2		110.0	-	32.9		1.3		0.3		6.0
VA23M-619	89.1		48.7		111.6		32.5		1.6		0.3		5.0
THOROUGHBRED	88.4		48.6		111.8		30.4		1.4		0.5		3.5
VA21B-7 LA	88.4		49.6		112.0		31.3		1.7		0.5		4.0
VA23B-775	88.3		49.9	+	109.6	-	29.8		0.2		0.5		6.0
VA23M-699	88.2		49.5		109.4	-	29.1		0.4		0.5		4.0
VA22B-336	88.0		49.5		112.1		33.3		3.1	+	0.6		5.0
MARQUETTA	87.9		48.0		112.9		33.1		1.0		0.5		5.0
VA23M-616	86.9		46.3	-	113.0		30.6		0.9		0.3		5.0
VA22B-361	86.8		48.0		112.6		33.0		0.9		0.5		5.0
VA23B-750	85.6		49.2		109.5	-	32.4		1.8		0.3		5.0
VA23B-776	85.4		48.6		110.0	-	33.3		2.1		0.3		4.5
SECRETARIAT	85.3		49.4		109.9	-	30.5		1.6		0.5		3.0
CALYPSO	85.0		48.2		114.9	+	27.9	-	1.8		0.5		3.5
VA23B-728	84.5		49.8		109.5	-	30.3		0.5		0.6		4.0
VA22M-70	84.5		49.4		115.1	+	27.8	-	4.6	+	0.8		5.0
mean	85.3		48.6		112.4		31.2		1.3		0.4		4.5
LSD	8.2		1.2		1.4		2.2		1.4		0.5		3.8
CV	16.2		3.4		1.3		7.2		141.3		107.1		41.7

Line	Grain Yield, bu/ac (6)	Test Weight, lb/bu (6)	Heading Date, Julian (2)	Height, In (2)	Lodging, 0-9 (4)	Powdery Mildew, 0-9 (2)	Spot Blotch 0-9 (1)
VA23B-712	84.3	49.1	111.0	30.5	1.1	0.1	5.5
VA23B-708	84.0	47.9	109.1 -	29.6	0.3	0.1	5.0
VA23B-714	84.0	49.9 +	111.0	30.4	2.7 +	0.6	5.5
13184p2	83.9	47.9	113.3	25.5 -	1.8	0.3	4.0
VA23B-770	83.0	49.2	108.8 -	30.4	0.3	0.3	4.5
FLAVIA	82.4	48.6	116.1 +	24.3 -	2.0	0.5	3.5
HIRONDELLA	81.4	47.1 -	116.3 +	30.0	0.7	0.1	3.0
VA23B-707	80.3	46.1 -	109.0 -	26.8 -	0.7	0.5	4.0
AVALON	80.2	51.0 +	112.4	33.1	3.1 +	1.1 +	5.5
VIOLETTA	78.0	49.8 +	113.1	27.1 -	1.3	0.6	4.5
BARSOY	75.2 -	47.6	108.4 -	31.5	2.8 +	0.6	4.0
13458a7	72.9 -	46.4 -	115.3 +	27.6 -	2.4	0.6	5.0
GREG	71.8 -	58.4 +	113.1	33.1	1.0	0.3	6.0
BC Leandra	68.2 -	47.1 -	110.8 -	20.3 -	0.9	0.5	1.5
WYSOR	67.8 -	45.8 -	110.4 -	36.1 +	2.3	0.6	4.0
NOMINI	63.0 -	45.9 -	108.9 -	34.1 +	0.5	0.5	7.5
VT_BEAHM	62.9 -	46.1 -	109.3 -	35.9 +	0.0	0.1	5.0
VA92-42-46	60.7 -	45.3 -	109.5 -	36.1 +	0.8	0.3	7.0
mean	85.3	48.6	112.4	31.2	1.3	0.4	4.5
LSD	8.2	1.2	1.4	2.2	1.4	0.5	3.8
CV	16.2	3.4	1.3	7.2	141.3	107.1	41.7

A plus or minus sign indicates a performance significantly above or below the test average.

The 0-9 ratings indicate a genotype's response to disease or lodging where 0=highly resistant and 9=highly susceptible. FHB=Fusarium Head Blight Score(0-9) FDK=Fusarium Diseased Kernels(percent) DON=Deoxynivalenol concentration in the kernels(ppm) Awns, A=Awned, TA=Tip-Awned, and AL=Awnless

Table 2. Performance of entries in the Virginia Tech Barley Test, 11 site-years, 2024 and 2025.

Line	Grain Yield, bu/ac (11)	Test Weight, lb/bu (11)	Heading Date, Julian (4)	Height, in (4)	Lodging, 0-9 (6)	Powdery Mildew, 0-9 (3)	Spot Blotch, 0-9 (2)	Scald, 0-9 (2)	FHB, 0-9 (1)	Leaf Rust, 0-9 (2)	BYDV, 0-9 (3)	FDK, % (1)	DON, Ppm (1)
18/253/54	112.4 +	47.7	113 +	34	1.0	0.2	5.0	0.8	6.0	1.7	0.1	12	20
18/252/16	111.9 +	47.0	114 +	35	0.9	0.6	5.5	0.8	4.0	0.4	0.0	10	9
18/252/55	109.5 +	47.4	114 +	33	0.8	0.2	5.3	0.8	6.5 +	0.6	0.0	10	13
VA22B-337	106.1 +	48.8	110	36 +	2.4	0.3	3.5	1.7	4.5	0.4	0.0	10	16
VA22B-342	105.5 +	48.3	110	35	2.4	0.2	5.3	0.4	5.5	0.7	0.0	15	11
VA22B-354	105 +	47.7	109	36 +	1.4	1.2 +	5.0	2.1	5.0	1.7	0.0	15	12
VA22B-336	104.7 +	48.8	109	35 +	2.5	0.5	4.8	0.1	4.0	2.1	0.0	18	13
VA22B-361	103.7 +	48.3	110	36 +	1.3	0.3	6.3	0.5	4.0	1.4	0.0	15	13
16/476/18	103.6 +	47.4	113 +	31 -	0.1 -	0.2	5.8	1.8	6.5 +	0.6	0.0	15	18
VA21B-6 LA	103.2 +	50.0 +	107 -	36 +	1.3	0.2	4.5	1.4	4.0	1.1	0.1	17	13
VA21B-7 LA	102.6	49.0	109 -	34	1.8	0.3	4.0	0.2	4.0	0.7	0.0	12	18
VA18B-34	102.2	49.5 +	108 -	32 -	0.6 -	0.0	4.3	0.8	4.5	0.7	0.0	12	18
MARQUETTA	100.1	46.7	110	34	1.8	0.3	5.5	1.3	5.5	0.4	0.0	7	9
THOROUGHbred	99.3	47.9	109	32 -	1.9	0.3	3.8	0.5	5.0	2.6	0.0	15	19
SECRETARIAT	97.5	48.0	107 -	33	2.2	0.3	3.5	1.3	4.0	0.4	0.0	8	12
SB255	97.1	49.1	108 -	35	1.2	0.5	5.5	2.4	4.0	0.7	1.8 +	20	12
HIRONDELLA	94.5	45.7 -	113 +	31 -	1.8	0.0	4.0	0.8	6.0	0.4	0.0	18	11
VA22M-70	92.2	48.1	112 +	30 -	3.5 +	0.6	4.8	0.8	2.0 -	0.4	0.0	5	9
CALYPSO	88.2 -	46.1 -	113 +	30 -	2.4	0.3	5.0	0.8	2.5	0.4	1.8 +	23	22
BARSOY	86.3 -	46.9	105 -	34	2.9 +	0.5	4.0	2.2	4.0	1.6	0.0	21	11
AVALON	85.4 -	49.4 +	110	35	2.6	0.9	5.0	1.8	2.0 -	1.2	1.7 +	10	12
mean	95.6	47.8	110	34	1.7	0.4	4.8	1.2	4.2	1.0	0.5	15	13
LSD	7.3	1.5	1	1	1.1	0.7	2.4	2.5	2.1	1.6	0.7	12	NA
CV	17.4	6.5	1	6	101.2	180.6	35.1	117.4	24	140	145.2	39	NA

Line	Grain Yield, bu/ac (11)	Test Weight, lb/bu (11)	Heading Date, Julian (4)	Height, in (4)	Lodging, 0-9 (6)	Powdery Mildew, 0-9 (3)	Spot Blotch, 0-9 (2)	Scald, 0-9 (2)	FHB, 0-9 (1)	Leaf Rust, 0-9 (2)	BYDV, 0-9 (3)	FDK, % (1)	DON, Ppm (1)
FLAVIA	83.6 -	46.8	113 +	27 -	1.7	0.3	3.8	1.8	4.5	0.4	5.7 +	20	13
WYSOR	82.6 -	43.5 -	107 -	38 +	2.5	0.5	4.3	0.8	4.5	2.6	0.0	23	12
GREG	82.3 -	57.5 +	111 +	36 +	1.7	0.2	7.0	2.1	1.5 -	2.2	0.0	30 +	8
NOMINI	82.1 -	45.7 -	105 -	37 +	1.3	0.3	5.5	1.3	3.0	1.7	0.0	22	10
VIOLETTA	80.4 -	47.8	110	28 -	1.7	0.5	4.0	1.3	3.5	0.4	2.5 +	12	9
VT_BEAHM	79.5 -	45.2 -	106 -	39 +	1.0	0.0	3.8	0.4	3.5	1.1	0.0	7	9
VA92-42-46	76.4 -	44.4 -	106 -	38 +	1.7	0.2	5.3	2.4	4.0	0.4	0.0	10	10
mean	95.6	47.8	110	34	1.7	0.4	4.8	1.2	4.2	1.0	0.5	15	13
LSD	7.3	1.5	1	1	1.1	0.7	2.4	2.5	2.1	1.6	0.7	12	NA
CV	17.4	6.5	1	6	101.2	180.6	35.1	117.4	24.0	140	145.2	39	NA

A plus or minus sign indicates a performance significantly above or below the test average.

The 0-9 ratings indicate a genotype's response to disease or lodging where 0=highly resistant and 9=highly susceptible.

FHB=Fusarium Head Blight Score(0-9) FDK=Fusarium Diseased Kernels(percent) DON=Deoxynivalenol concentration in the kernels(ppm) Awns, A=Awned, TA=Tip-Awned, and AL=Awnless

Table 3. Performance of entries in the Virginia Tech Barley Test, 17 site-years, 2023, 2024, and 2025.

Line	Grain Yield, bu/ac (17)	Test Weight, lb/bu (17)	Heading Date, Julian (6)	Height, in (6)	Lodging, 0-9 (12)	FHB, 0-9 (2)	Leaf Rust, 0-9 (3)	FDK, % (2)	DON, ppm (2)	Powdery Mildew, 0-9 (3)	Spot Blotch, 0-9 (2)	Scald, 0-9 (2)	BYDV, 0-9 (3)
MARQUETTA	118.7 +	47.9 -	111 +	36	1.1	4.7 +	0.4 -	11	16	0.3	5.5	1.4	-0.1
VA21B-7 LA	118.4 +	50.0	110	36	1.3	3.5	1.6	18	17	0.3	4.0	0.2	-0.1
VA18B-34	116.5 +	50.6 +	109	34 -	0.7 -	4.0	1.7	13	20	0.0	4.2	0.9	-0.1
VA21B-6 LA	116.0 +	51.3 +	108 -	37 +	1.1	3.2	1.6	13	14	0.1	4.5	1.5	0.1
THOROUGHbred	115.9 +	49.2	110 +	35	1.1	4.0	4.5 +	36	24 +	0.3	3.7	0.5	-0.1
SB255	111.7 +	50.6 +	109	37 +	1.0	3.2	2.3	20	13	0.4	5.5	2.5	1.8 +
SECRETARIAT	110.7	48.9	108 -	33 -	1.9	4.0	0.4 -	18	15	0.3	3.5	1.4	-0.1
HIRONDELLA	109.6	46.9 -	114 +	33 -	1.1	4.0	0.5 -	15	17	0.0	4.0	0.9	-0.1
FLAVIA	103.7	48.4	114 +	28 -	0.9	4.0	1.7	21	14	0.3	3.7	1.9	5.7 +
AVALON	100.8	50.8 +	111 +	36	1.9	1.5 -	2.1	30	12	0.8 +	5.0	1.8	1.7 +
BARSOY	99.6	48.6	106 -	35	2.5 +	3.7	3.5 +	19	13	0.4	4.0	2.2	-0.1
GREG	91.0 -	58.2 +	113 +	38 +	1.3	1.0 -	3.7 +	53 +	6	0.1	7.0	2.1	-0.1
VT_BEAHM	87.5 -	46.3 -	106 -	41 +	0.8	3.5	2.5	26	8	0.0	3.7	0.5	-0.1
NOMINI	87.1 -	46.1 -	106 -	38 +	1.3	3.2	3.8 +	40	15	0.3	5.5	1.4	-0.1
VA92-42-46	79.2 -	46.0 -	107 -	39 +	1.9	3.5	1.9	30	13	0.1	5.2	2.5	-0.1
mean	104.4	49.3	110	36	1.3	3.4	2.2	24	15	0.2	4.6	1.5	0.6
LSD	6.6	1.0	1	1	0.6	1.3	1.3	20	8	0.5	2.5	2.8	0.8
CV	17.8	5.7	1	6	109	27.3	67.4	58	27	199.1	38.4	107.8	127.3

A plus or minus sign indicates a performance significantly above or below the test average.

The 0-9 ratings indicate a genotype's response to disease or lodging where 0=highly resistant and 9=highly susceptible.

FHB=Fusarium Head Blight Score(0-9) FDK=Fusarium Diseased Kernels(percent) DON=Deoxynivalenol concentration in the kernels(ppm) Awns, A=Awned, TA=Tip-Awned, and AL=Awnless

Table 4. Performance of entries in the Virginia Tech Barley Test, Kentland Farm, Blacksburg, VA, 2025.

Line	Grain Yield, bu/ac	Test Weight, lb/bu	Heading Date, Julian	Height, in	Lodging, 0-9	Powdery Mildew, 0-9
KWS Chillis	141.4 +	NA	118.8 +	36.3	0.0	0.0
18/253/54	139.3 +	49.0	116.5 +	36.5 +	0.0	0.0
17/310/65	138.6 +	50.4 +	113.0 +	35.0	0.0	0.0
VA22B-336	136.6 +	49.9 +	112.0	38.0 +	2.0 +	0.5 +
18/252/55	136.4 +	48.8	118.0 +	34.3	0.0	0.0
18/252/16	136.3 +	49.0	116.0 +	37.0 +	0.0	0.0
MARQUETTA	133.6 +	48.6	113.0 +	34.8	0.0	0.0
19/312/39	131.7 +	48.6	117.3 +	34.0	0.0	0.0
VA22B-354	127.5	48.9	111.0	39.0 +	0.0	0.0
19/262/36	127.5	48.2	114.0 +	36.0	0.5	0.0
16/449/77	126.6	49.4	113.5 +	35.3	0.0	0.0
VA22B-361	126.4	49.7 +	111.0	38.3 +	0.0	0.0
VA18B-34	125.7	50.6 +	109.8 -	31.3 -	0.0	0.0
HIRONDELLA	125.4	48.1	114.8 +	32.0	0.0	0.0
VA21B-7 LA	125.0	50.2 +	110.8	36.0	1.0	0.0
VA22B-337	123.7	49.7 +	113.5 +	37.8 +	0.0	0.0
VA23B-744	123.5	51.6 +	108.3 -	36.5 +	1.5 +	0.0
SECRETARIAT	123.3	49.7 +	107.8 -	34.5	0.5	0.0
VA23B-712	123.3	49.1	109.5 -	36.0	0.0	0.0
16/476/18	122.5	49.0	116.8 +	32.8	0.0	0.0
VA23B-714	121.9	49.0	109.0 -	34.8	0.0	0.0
VA23B-776	120.9	49.9 +	108.0 -	36.5 +	0.5	0.0
VA22M-205	119.4	50.9 +	112.5	32.0	0.0	0.0
VA23B-726	119.4	48.2	108.5 -	34.8	0.0	0.0
CALYPSO	119.1	48.8	115.0 +	27.3 -	0.0	0.0
VA23B-750	118.6	50.2 +	108.0 -	36.0	1.0	0.0
VA21B-6 LA	118.6	50.3 +	108.5 -	37.3 +	0.5	0.0
THOROUGHBRED	118.4	48.8	110.3	33.5	0.5	0.0
SB255	118.4	50.4 +	110.3	38.8 +	0.5	0.0
VA22B-342	116.7	49.0	112.0	35.3	0.5	0.0
VA23B-775	115.4	49.3	108.3 -	33.3	0.0	0.0
VA22M-70	113.5	49.8 +	112.8 +	30.8 -	0.0	0.0
KWS Antonis	111.4	49.3	116.5 +	37.0 +	0.0	0.0
VA23M-619	110.6	47.2 -	111.3	36.0	0.0	0.0
FLAVIA	107.8	47.3 -	114.3 +	26.0 -	0.0	0.0
VA23M-699	107.6	49.4	108.0 -	33.5	0.5	0.0
VA23M-616	107.2	44.9 -	113.8 +	32.3	0.0	0.0
VA23B-727	106.1	49.9 +	108.0 -	33.3	0.5	0.0
mean	114.0	48.8	111.4	34.0	0.3	0.0
LSD	14.5	0.7	1.2	2.4	0.9	0.3
CV	9.0	1.1	0.8	5.0	158.2	752.4

Line	Grain Yield, bu/ac	Test Weight, lb/bu	Heading Date, Julian	Height, in	Lodging, 0-9	Powdery Mildew, 0-9
VIOLETTA	103.6	50.0 +	112.0	27.5 -	0.0	0.0
WYSOR	103.6	45.8 -	108.5 -	39.0 +	1.0	0.0
VA23B-770	102.8	49.8 +	107.0 -	32.5	0.0	0.0
VA23B-708	100.5	49.2	108.0 -	33.0	0.0	0.0
13184p2	100.0	46.1 -	111.8	26.5 -	0.0	0.0
13458a7	98.7 -	46.0 -	114.0 +	28.3 -	0.0	0.0
AVALON	98.1 -	51.2 +	110.8	36.5 +	2.0 +	1.0 +
KWS Avatis	96.8 -	47.9 -	120.0 +	32.5	0.0	0.0
BARSOY	95.0 -	48.2	108.0 -	34.3	1.5 +	0.0
VA23B-728	94.8 -	49.1	108.0 -	33.3	0.0	0.0
NOMINI	94.3 -	45.1 -	107.5 -	35.8	0.5	0.0
VA23B-707	87.8 -	46.0 -	107.5 -	28.8 -	0.5	0.0
VT_BEAHM	87.0 -	45.9 -	108.3 -	38.3 +	0.0	0.0
VA92-42-46	79.3 -	44.5 -	107.8 -	38.0 +	0.0	0.0
GREG	76.7 -	56.6 +	111.8	35.3	0.0	0.0
BC Leandra	70.1 -	45.4 -	107.5 -	20.0 -	0.0	0.0
mean	114.0	48.8	111.4	34.0	0.3	0.0
LSD	14.5	0.7	1.2	2.4	0.9	0.3
CV	9.0	1.1	0.8	5.0	158.2	752.4

A plus or minus sign indicates a performance significantly above or below the test average.

The 0-9 ratings indicate a genotype's response to disease or lodging where 0=highly resistant and 9=highly susceptible.

FHB=Fusarium Head Blight Score(0-9) FDK=Fusarium Diseased Kernels(percent) DON=Deoxynivalenol concentration in the kernels(ppm) Awns, A=Awned, TA=Tip-Awned, and AL=Awnless

Table 5. Performance of entries in the Virginia Tech Barley Test, Southern Piedmont AREC, Blackstone, VA, 2025.

Line	Grain Yield, bu/ac	Test Weight, lb/bu	Lodging, 0-9
18/253/54	110.2 +	49.8 -	0.4
19/312/39	108.4 +	50.2	0.5
19/262/36	104.6 +	NA	0.0
KWS Chillis	101.0	NA	0.0
18/252/16	98.0	50.6	0.2
MARQUETTA	97.9	50.4	0.5
VA23M-616	97.2	49.8 -	1.8
VA22M-205	94.2	NA	1.5
VA22B-354	94.1	51.7	0.0
VA23B-727	93.8	52.6	0.1
VA23B-770	93.6	52.2	0.2
18/252/55	92.9	50.8	0.0
KWS Avatis	91.9	49.9 -	0.0
KWS Antonis	91.9	NA	0.0
VA22B-337	91.8	52.0	2.0
VA23M-699	91.7	53.2 +	0.2
VA21B-6 LA	90.4	53.1 +	1.8
VA23B-775	90.2	53.5 +	0.0
CALYPSO	90.0	51.5	1.2
VA22B-361	89.1	51.9	0.5
THOROUGHBRED	88.6	50.9	1.0
16/449/77	88.4	50.6	0.0
VA23M-619	86.6	50.6	1.7
VA18B-34	86.6	53.1 +	0.0
AVALON	86.3	52.9 +	4.7 +
SB255	85.4	51.9	0.5
13184p2	85.3	50.8	1.3
FLAVIA	84.3	51.3	0.8
16/476/18	83.9	50.0	0.0
VA23B-744	83.7	54.3 +	0.2
VA23B-708	83.6	50.0 -	0.0
VA23B-776	83.3	53.0 +	2.7
VA23B-728	82.0	52.7	0.2
VA23B-707	78.5	48.8 -	0.5
VA23B-750	78.2	53.0 +	2.0
VA23B-712	78.2	51.6	0.7
GREG	78.0	NA	1.2
17/310/65	76.0	50.8	4.5 +
mean	85.0	51.4	1.3
LSD	16.6	1.4	2.7
CV	13.3	1.6	141.4

Line	Grain Yield, bu/ac	Test Weight, lb/bu	Lodging, 0-9
VA21B-7 LA	75.2	52.1	2.2
VA23B-726	75.1	50.2	3.3
VIOLETTA	75.0	52.2	0.3
VA22B-342	74.8	51.7	3.5
HIRONDELLA	73.1	50.4	1.3
VA22M-70	70.5	50.1	8.0 +
VA22B-336	70.5	50.9	4.8 +
SECRETARIAT	68.5	51.9	2.0
VA23B-714	67.4 -	52.4	4.3 +
13458a7	66.6 -	50.0 -	4.2 +
BARSOY	65.7 -	49.1 -	3.0
BC Leandra	57.0 -	NA	0.0
NOMINI	NA	NA	0.0
VA92-42-46	NA	NA	0.0
VT_BEAHM	NA	NA	0.0
WYSOR	NA	NA	2.2
mean	85.0	51.4	1.3
LSD	16.6	1.4	2.7
CV	13.3	1.6	141.4

A plus or minus sign indicates a performance significantly above or below the test average.

The 0-9 ratings indicate a genotype's response to disease or lodging where 0=highly resistant and 9=highly susceptible.

FHB=Fusarium Head Blight Score(0-9) FDK=Fusarium Diseased Kernels(percent) DON=Deoxynivalenol concentration in the kernels(ppm) Awns, A=Awned, TA=Tip-Awned, and AL=Awnless

Table 6. Performance of entries in the Virginia Tech Barley Test, Tidewater AREC, Holland, VA, 2025.

Line	Grain Yield, bu/ac	Test Weight, lb/bu
VA23M-619	66.3 +	52.0
VA22B-337	61.2	44.9
VA22B-336	59.5	50.3
THOROUGHBRED	57.8	48.7
VA23B-750	56.5	50.8
VA22B-342	56.0	51.6
VA23B-727	55.5	49.9
VA21B-6 LA	54.2	49.7
AVALON	54.1	46.5
13184p2	53.9	50.2
VA22M-205	53.8	NA
VA22B-354	53.7	37.7
VA23B-708	53.4	40.0
18/252/16	51.8	48.9
VA23B-714	51.2	52.5
VA23B-726	50.7	46.4
KWS Chillis	50.6	43.9
VA23B-712	50.1	50.7
VA22M-70	49.5	52.4
VA23B-775	49.4	52.6
18/253/54	49.2	47.3
17/310/65	47.9	48.7
CALYPSO	47.6	47.8
VA23B-728	47.3	50.9
HIRONDELLA	46.4	51.0
VA22B-361	46.3	37.1 -
SECRETARIAT	45.9	50.6
SB255	45.8	43.9
VA21B-7 LA	45.8	46.8
KWS Antonis	45.7	46.0
VA23B-770	45.1	NA
18/252/55	44.8	51.3
19/262/36	44.6	44.6
VA23B-776	44.1	NA
VA23M-616	44.1	47.4
KWS Avatis	43.7	NA
FLAVIA	43.4	NA
16/476/18	42.9	NA
VA18B-34	42.6	NA
mean	47.5	47.9
LSD	15.1	10.7
CV	21.3	7.7

Line	Grain Yield, bu/ac	Test Weight, lb/bu
BARSOY	41.5	NA
VA23B-707	40.9	NA
VA23M-699	40.8	NA
MARQUETTA	40.0	NA
19/312/39	39.6	NA
VIOLETTA	39.5	NA
13458a7	39.2	NA
16/449/77	38.5	NA
GREG	37.7	NA
BC Leandra	33.4	NA
VT_BEAHM	29.0 -	NA
NOMINI	NA	NA
VA23B-744	NA	NA
VA92-42-46	NA	NA
WYSOR	NA	NA
mean	47.5	47.9
LSD	15.1	10.7
CV	21.3	7.7

A plus or minus sign indicates a performance significantly above or below the test average.

The 0-9 ratings indicate a genotype's response to disease or lodging where 0=highly resistant and 9=highly susceptible.

FHB=Fusarium Head Blight Score(0-9) FDK=Fusarium Diseased Kernels(percent) DON=Deoxynivalenol concentration in the kernels(ppm) Awns, A=Awned, TA=Tip-Awned, and AL=Awnless

Table 7. Performance of entries in the Virginia Tech Barley Test, Northern Piedmont Center, Orange, VA, 2025.

Line	Grain Yield, bu/ac	Test Weight, lb/bu
KWS Avatis	96.3 +	48.6
KWS Antonis	95.9 +	47.5
VA23B-727	91.3	49.0
VA22M-205	89.5	51.2 +
FLAVIA	89.3	48.9
VA23B-708	88.4	47.7
VA23B-728	87.0	48.3
18/253/54	86.9	47.4
VA23M-699	85.8	48.2
16/449/77	85.0	47.7
VA21B-6 LA	84.7	49.4
CALYPSO	84.6	49.4
SB255	83.8	48.1
VA23B-707	83.4	44.5 -
VA23B-744	83.4	50.4 +
VIOLETTA	82.9	51.6 +
18/252/55	79.4	48.4
19/262/36	79.2	46.5 -
VA22B-354	78.3	48.0
VA23B-726	77.0	47.3
VA23M-619	76.3	48.2
VA23B-775	75.9	47.3
16/476/18	75.4	48.2
13184p2	75.2	50.2 +
VA23B-770	74.8	47.2
VA22B-337	74.7	47.1
THOROUGHBRED	74.6	48.8
VA22B-342	74.0	46.2 -
KWS Chillis	73.9	46.0 -
18/252/16	73.8	49.0
19/312/39	72.2	46.6 -
MARQUETTA	71.8	48.0
VA22B-361	71.8	48.4
VA21B-7 LA	71.2	48.4
HIRONDELLA	71.0	46.5 -
VA22M-70	70.7	49.0
VA18B-34	70.4	48.2
VA23M-616	68.9	45.4 -
VA23B-712	68.2	46.5 -
mean	74.4	48.2
LSD	18.3	1.6
CV	17.3	2.2

Line	Grain Yield, bu/ac	Test Weight, lb/bu	
SECRETARIAT	66.7	48.1	
GREG	66.3	59.1	+
VA22B-336	65.8	46.5	-
VA23B-750	64.7	48.0	
13458a7	63.6	47.5	
17/310/65	63.3	48.4	
BARSOY	62.6	46.6	-
BC Leandra	61.8	50.4	+
AVALON	60.0	49.1	
VA23B-776	59.0	47.9	
VA23B-714	54.6	46.9	-
VT_BEAHM	47.4	NA	-
NOMINI	38.2	NA	-
VA92-42-46	NA	NA	
WYSOR	NA	NA	
mean	74.4	48.2	
LSD	18.3	1.6	
CV	17.3	2.2	

A plus or minus sign indicates a performance significantly above or below the test average.

The 0-9 ratings indicate a genotype's response to disease or lodging where 0=highly resistant and 9=highly susceptible.

FHB=Fusarium Head Blight Score(0-9) FDK=Fusarium Diseased Kernels(percent) DON=Deoxynivalenol concentration in the kernels(ppm) Awns, A=Awned, TA=Tip-Awned, and AL=Awnless

Table 8. Performance of entries in the Virginia Tech Barley Test, Eastern Shore AREC, Painter, VA, 2025.

Line	Grain Yield, bu/ac	Test Weight, lb/bu	Lodging, 0-9
VA18B-34	95.5 +	NA	1.0
16/476/18	92.0	52.2	0.3
BARSOY	89.5	50.7	5.0
17/310/65	88.9	51.2	1.3
VA23M-699	88.6	52.8	0.0
VA22M-205	88.2	NA	1.3
16/449/77	87.5	52.2	0.3
VA21B-6 LA	86.7	49.8	0.0
VA21B-7 LA	85.5	52.3	3.0
SB255	83.9	52.9	0.0
VA23B-707	83.8	49.4	1.0
VA23M-619	83.5	53.1	3.3
19/262/36	82.5	47.4	0.0
THOROUGHBRED	82.5	50.3	3.3
VA22B-342	82.1	51.1	6.0 +
18/252/16	81.9	47.9	1.0
VA23B-727	80.2	51.4	1.3
VA23B-744	80.2	NA	0.0
VA23B-775	80.2	54.3 +	0.0
VA23B-714	80.1	52.8	6.0 +
AVALON	80.0	54.8 +	4.3
VA23B-726	79.0	NA	1.3
GREG	78.3	NA	2.0
KWS Antonis	77.6	NA	0.0
VA22B-336	76.5	51.7	5.3
VA23B-776	76.5	47.0	5.3
VA23M-616	76.2	50.4	0.0
VA23B-728	75.7	53.0	0.0
VA22B-361	75.5	49.6	2.3
18/253/54	75.4	49.0	1.0
VA22B-337	75.2	52.2	6.7 +
VA23B-750	74.5	46.4	4.0
VA23B-712	73.6	48.3	3.0
SECRETARIAT	73.4	50.4	2.0
KWS Avatis	73.1	NA	0.3
VA22M-70	71.1	47.1	7.7 +
19/312/39	71.0	49.5	3.0
VA23B-708	70.5	49.4	0.0
18/252/55	69.4	NA	1.7
mean	75.5	49.7	2.3
LSD	18.8	4.0	3.7
CV	17.4	4.3	100.6

Line	Grain Yield, bu/ac	Test Weight, lb/bu	Lodging, 0-9
13184p2	69.4	49.4	4.7
MARQUETTA	67.9	47.9	1.0
KWS Chillis	67.6	43.8	- 4.7
FLAVIA	67.5	50.7	6.0 +
VA23B-770	66.4	50.7	0.0
VA22B-354	66.1	47.0	4.0
13458a7	65.2	46.6	3.7
HIRONDELLA	64.3	45.4	- 0.0
VIOLETTA	63.7	51.5	0.7
BC Leandra	63.5	46.8	1.0
VT_BEAHM	62.8	46.8	0.0
WYSOR	57.4	47.0	5.0
CALYPSO	57.2	45.9	4.0
VA92-42-46	57.1	48.0	2.3
NOMINI	56.6	- 46.3	1.0
mean	75.5	49.7	2.3
LSD	18.8	4.0	3.7
CV	17.4	4.3	100.6

A plus or minus sign indicates a performance significantly above or below the test average.

The 0-9 ratings indicate a genotype's response to disease or lodging where 0=highly resistant and 9=highly susceptible.

FHB=Fusarium Head Blight Score(0-9) FDK=Fusarium Diseased Kernels(percent) DON=Deoxynivalenol concentration in the kernels(ppm) Awns, A=Awned, TA=Tip-Awned, and AL=Awnless

Table 9. Performance of entries in the Virginia Tech Barley Test, Eastern Virginia AREC, Warsaw, VA, 2025.

Line	Grain Yield, bu/ac	Test Weight, lb/bu	Heading Date, Julian	Height, in	Lodging, 0-9
18/252/16	151.3 +	46.9	115.0 +	30.5	1.0
KWS Chillis	148.7 +	43.7 -	116.3 +	32.5 +	1.0
19/262/36	147.3 +	41.5 -	114.8	29.5	1.0
KWS Avatis	146.5 +	44.9	118.3 +	29.0	0.5
18/253/54	137.4 +	46.6	115.0 +	30.3	1.5
VA22B-342	135.8	47.9 +	113.0	29.3	0.5
VA22B-337	134.7	48.2 +	113.8	28.8	1.5
SECRETARIAT	134.1	47.3	112.0	26.5	1.8
19/312/39	132.2	42.8 -	114.3	30.0	0.7
VA23B-776	131.4	47.3	112.0	30.0	0.2
VA22M-70	130.8	47.9 +	117.5 +	24.8 -	1.5
VA23B-726	130.8	46.6	111.5 -	31.0	0.7
17/310/65	129.7	46.2	112.8	30.3	2.5 +
VA22M-205	129.6	48.1 +	117.0 +	31.0	1.5
VA23M-616	128.0	41.9 -	112.3	29.0	1.5
KWS Antonis	125.7	44.8	117.8 +	32.8 +	0.2
VA21B-7 LA	124.8	46.7	113.3	26.5	1.0
13184p2	124.3	44.4	114.8	24.5 -	1.5
16/476/18	123.3	43.6 -	114.3	27.3	1.0
VA22B-336	122.2	47.7 +	112.3	28.5	0.5
VA21B-6 LA	122.2	48.1 +	111.8 -	28.8	0.5
18/252/55	121.6	47.2	116.5 +	29.0	1.0
VA23B-714	121.2	47.5	113.0	26.0	0.7
VA23B-750	121.2	47.0	111.0 -	28.8	0.5
SB255	120.5	47.7 +	112.8	28.8	0.2
VA18B-34	120.5	47.8 +	112.3	24.3 -	0.5
VA23B-728	120.1	47.1	111.0 -	27.3	1.5
VA23B-727	119.4	46.9	112.8	26.5	1.0
VA23B-775	118.5	46.7	111.0 -	26.3	1.0
VA22B-354	118.3	42.9 -	114.0	29.0	1.3
VA23B-744	117.1	47.9 +	111.3 -	28.5	0.7
MARQUETTA	116.5	45.6	112.8	31.5 +	2.3 +
VA23B-770	116.1	47.3	110.5 -	28.3	1.0
VA23B-712	112.3	48.0 +	112.5	25.0 -	1.0
VA22B-361	112.1	44.9	114.3	27.8	1.0
BC Leandra	111.7	44.8	114.0	20.5 -	2.3 +
16/449/77	111.5	45.6	112.5	26.5	1.3
CALYPSO	111.5	44.9	114.8	28.5	2.0
VA92-42-46	111.0	43.1 -	111.3 -	34.3 +	1.3
mean	119.3	46.0	113.3	28.4	1.2
LSD	17.3	1.6	1.4	2.6	1.0
CV	10.1	2.4	0.9	6.7	58.8

Line	Grain Yield, bu/ac	Test Weight, lb/bu	Heading Date, Julian	Height, in	Lodging, 0-9
VA23M-619	110.8	45.4	112.0	29.0	1.3
VA23B-708	110.2	45.5	110.3 -	26.3	1.3
THOROUGHbred	108.6	45.7	113.3	27.3	1.0
VA23M-699	107.8	46.3	110.8 -	24.8 -	1.0
HIRONDELLA	107.7	42.8 -	117.8 +	28.0	1.5
VA23B-707	107.2	42.8 -	110.5 -	24.8 -	1.0
13458a7	107.1	43.8 -	116.5 +	27.0	1.0
FLAVIA	106.7	46.3	118.0 +	22.5 -	1.5
BARSOY	105.9	44.5	108.8 -	28.8	2.0
AVALON	104.7	49.8 +	114.0	29.8	1.8
VIOLETTA	103.2	44.8	114.3	26.8	3.5 +
NOMINI	95.7 -	44.7	110.3 -	32.5 +	1.0
WYSOR	92.8 -	43.5 -	112.3	33.2 +	1.0
VT_BEAHM	90.7 -	44.8	110.3 -	33.5 +	0.5
GREG	90.3 -	55.7 +	114.5	31.0	0.7
mean	119.3	46.0	113.3	28.4	1.2
LSD	17.3	1.6	1.4	2.6	1.0
CV	10.1	2.4	0.9	6.7	58.8

A plus or minus sign indicates a performance significantly above or below the test average.

The 0-9 ratings indicate a genotype's response to disease or lodging where 0=highly resistant and 9=highly susceptible.

FHB=Fusarium Head Blight Score(0-9) FDK=Fusarium Diseased Kernels(percent) DON=Deoxynivalenol concentration in the kernels(ppm) Awns, A=Awned, TA=Tip-Awned, and AL=Awnless

Virginia Tech Wheat Varieties

Wheat trials were planted in seven-inch rows at Blackstone, Orange, Holland, Painter, and Shenandoah Valley. They were planted in six-inch rows at Blacksburg and Warsaw. The no-till locations (Holland and Shenandoah Valley) were planted at 48 seeds per square foot. All other locations were planted at 44 seeds per square foot. Due to excessive deer damage and poor yields, the tests at Painter and Holland are not included in over-location analysis for wheat.

Selecting the best wheat varieties is challenging but becomes easier with adequate information on performance over multiple environments. Past seasons across Virginia have provided the opportunity to evaluate day length sensitivity, spring freeze damage, glume blotch, scab (*Fusarium* head blight), and general plant health. Many newer wheat varieties and lines performed well in all environments tested.

Producers who grow large acreages of wheat should plant two or more varieties having significantly different maturity dates to ensure harvest of high-quality grain having high test weight and no sprouting. In Virginia it is typical for sporadic or consistent rain showers to interrupt harvest. These wetting and drying cycles and subsequent delays can significantly reduce grain test weight and quality. Growers can circumvent this problem by planting varieties that differ significantly in maturity. Early maturing varieties often can be harvested first and prior to significant rain showers, and later maturing varieties harvested subsequently will suffer less damage and losses in test weight and quality due to exposure to such a rain event.

Table 9. Performance of entries in the Virginia Tech Wheat Test, 6 site- years, 2025.

Line	Awns A-TA-AL	Grain Yield, bu/ac (7)	Test Weight, lb/bu (7)	Heading Date, Julian (3)	Height, In (3)	Lodging, 0-9 (3)	Powdery Mildew, 0-9 (4)	Leaf Rust, 0-9 (3)	FHB, 0-9 (1)	BYDV 0-9 (1)
18VTK10-23	A	104.2 +	59.0 +	119.1 -	25.6	0.8	2.8	0.0 -	1.0	3.0
18VTK10-133	A	104.2 +	59.0 +	118.8 -	25.3	0.7	2.7	0.0 -	1.0	3.0
VA20FHB-18	A	103.5 +	57.4 +	119.5 -	27.5 +	0.8	1.8	0.0 -	1.0	1.0
18VTK10-188	A	102.3 +	57.3 +	119.6 -	24.8	1.5	1.5	0.0 -	1.0	3.0
VA19FHB-36	A	101.2 +	57.7 +	120.9	26.6 +	0.3	2.0	0.0 -	1.5	2.5
VA20W-135	A	100.8 +	57.4 +	121.1	28.1 +	0.3	2.0	0.3 -	2.5	2.0
VA21W-112	A	100.3 +	54.8 -	120.8	21.6 -	0.8	1.8	0.1 -	2.5	3.0
VA20W-142	AL	100.1 +	57.2 +	120.8	26.1	1.0	2.5	0.0 -	2.5	2.0
KWS579	A	98.4 +	55.6	121.2	23.0	0.8	4.7 +	2.3	1.0	2.5
AgriMAXX EXP 2510	A	97.9 +	55.4 -	121.5	24.6	0.8	3.2	2.4	1.0	2.0
PITMAN	A	97.8 +	57.5 +	120.6	23.3	0.6	1.8	0.0 -	2.0	3.5
18VTK9-68	A	97.8 +	57.7 +	118.8 -	25.3	0.9	1.8	0.1 -	1.5	3.5
SH 7222	A	97.8 +	57.4 +	121.4	25.5	0.0 -	1.0	0.0 -	2.5	3.5
KWS625	AL	97.6 +	56.5	120.1	26.1	1.2	2.5	2.7	1.0	7.5 +
19VTK7-61	A	97.2 +	57.0 +	120.1	23.0	0.8	2.0	0.1 -	1.0	2.5
16VDH-SRW03-023	AL	96.6 +	55.8	120.4	24.6	0.7	2.5	0.0 -	2.0	5.0
DH20SRW02-073	AL	96.5 +	55.6	121.8	23.8	2.0	1.0	0.0 -	3.5 +	2.0
KWS571	A	96.4 +	56.2	123.2 +	25.1	0.7	2.5	3.4	1.5	1.5
18VTK6-3	A	96.4 +	57.3 +	122.0 +	25.1	1.0	1.2	0.0 -	1.0	3.0
VA20FHB-20	A	96.1 +	57.9 +	119.2 -	25.6	0.5	1.7	4.6 +	2.0	3.5
VA22W-201	A	96.1 +	57.9 +	120.3	22.6 -	1.5	1.2	0.9	3.0 +	2.5
KWS623	AL	96.0 +	55.6	119.7	26.6 +	3.5 +	2.0	2.3	1.0	4.0
HILLIARD	A	95.3	56.5	120.7	25.8	0.8	2.3	0.0 -	1.5	4.5
VA23W-730	A	95.0	56.6	119.7	24.5	0.5	1.0	2.4	3.5 +	5.0
mean	NA	89.5	56.2	120.7	24.6	1.2	2.5	2.3	1.8	3.0
LSD	NA	6.3	0.7	1.1	1.8	1.1	1.6	1.8	1.0	2.8
CV	NA	13.3	2.4	1.0	6.3	78.8	57.9	76.3	30.1	48.0

Line	Awns A-TA-AL	Grain Yield, bu/ac (7)	Test Weight, lb/bu (7)	Heading Date, Julian (3)	Height, In (3)	Lodging, 0-9 (3)	Powdery Mildew, 0-9 (4)	Leaf Rust, 0-9 (3)	FHB, 0-9 (1)	BYDV 0-9 (1)
18VTK10-77	A	94.8	58.2 +	118.6 -	23.8	2.7 +	1.0	0.0 -	1.0	1.0
AGS 4043	A	94.8	58.0 +	121.6	22.8 -	0.2	1.0	0.0 -	1.5	4.5
17VDH-SRW02-125	A	94.8	57.6 +	122.1 +	26.0	1.2	0.7 -	0.0 -	1.0	3.5
DH19SRW07-321	A	94.7	56.6	121.3	25.1	0.7	3.0	0.9	1.5	2.5
19VTK7-66	A	94.2	56.7	121.4	27.3 +	1.8	1.7	0.0 -	2.0	2.0
Phoenix 96	A	94.1	56.6	122.5 +	27.5 +	1.0	1.0	0.9	2.5	2.5
15VTK-1-101	A	94.1	55.8	121.4	21.3 -	0.2	1.0	0.0 -	3.5 +	3.5
VA22W-21	A	94.0	54.1 -	121.8	23.3	0.3	2.3	1.1	3.5 +	3.5
KWS578	A	93.9	58.7 +	121.3	24.1	1.0	4.0	0.0 -	1.0	3.5
20VTK11-79	A	93.8	57.5 +	120.8	22.0 -	0.8	0.8 -	0.0 -	1.5	1.5
VA23W-432	A	93.4	55.0 -	119.3 -	26.5 +	0.2	1.2	0.4 -	2.0	3.0
Dyna-Gro 9632	A	93.1	55.4 -	120.2	25.0	1.2	4.0	4.0	1.0	3.0
19VDH-FHB-MAS03-29	AL	92.8	56.8	120.4	25.0	0.8	1.3	0.0 -	1.0	4.5
VA23W-433	AL	92.5	54.2 -	120.0	27.1 +	1.2	1.7	0.4 -	2.0	5.0
20VTK7-151	A	92.4	56.8	119.4 -	21.5 -	0.2	0.8 -	0.6	3.0 +	3.0
NC18-16900	AL	92.3	57.5 +	121.5	27.0 +	1.5	0.7 -	0.0 -	1.0	4.0
USG 3463	A	92.2	55.8	121.3	24.0	1.8	2.0	3.7	1.0	1.5
LA19333-NDH31	A	92.1	57.3 +	120.0	21.5 -	0.8	0.5 -	0.0 -	2.5	3.0
DH19SRW08-001	AL	92.0	56.6	121.3	23.1	1.5	2.0	0.6	3.0 +	3.0
19VDH-FHB-MAS05-27	AL	92.0	55.0 -	122.4 +	24.8	2.7 +	2.7	2.1	3.0 +	4.0
USG 3673	AL	91.9	57.1 +	120.8	23.5	1.2	4.4 +	0.0 -	2.5	2.0
AgriMAXX 566	A	91.7	55.8	121.4	25.1	1.3	1.3	5.6 +	2.0	2.5
VA23W-345	A	91.6	56.2	120.6	25.6	1.0	2.7	0.0 -	3.0 +	2.0
MAS #226	A	91.4	56.6	120.7	22.8 -	1.7	2.6	1.0	1.0	1.5
Dyna-Gro 9393	A	91.4	55.6	122.1 +	22.8 -	0.8	4.0	3.4	1.5	2.0
mean	NA	89.5	56.2	120.7	24.6	1.2	2.5	2.3	1.8	3.0
LSD	NA	6.3	0.7	1.1	1.8	1.1	1.6	1.8	1.0	2.8
CV	NA	13.3	2.4	1.0	6.3	78.8	57.9	76.3	30.1	48.0

Line	Awns A-TA-AL	Grain Yield, bu/ac (7)	Test Weight, lb/bu (7)	Heading Date, Julian (3)	Height, In (3)	Lodging, 0-9 (3)	Powdery Mildew, 0-9 (4)	Leaf Rust, 0-9 (3)	FHB, 0-9 (1)	BYDV 0-9 (1)
LA19333-NDH34	A	91.3	57.7 +	121.4	25.8	0.0 -	1.5	0.0 -	2.5	3.5
MAS #252	A	91.1	53.4 -	121.0	24.3	0.5	2.8	3.4	1.5	1.5
USG 3354	AL	90.8	56.0	119.6 -	24.5	2.5 +	1.3	1.9	1.5	3.5
USG 3875	A	90.6	55.4 -	121.2	24.3	0.5	4.7 +	3.4	1.0	2.0
MAS #86	A	90.5	54.8 -	121.4	27.1 +	1.0	3.8	3.7	1.0	2.5
SH 5123	AL	90.5	57.2 +	120.7	23.6	0.8	3.6	0.0 -	2.5	4.0
USG 3755	AL	90.3	55.2 -	121.6	23.3	0.8	1.6	5.4 +	2.0	2.5
USG 3451	AL	90.3	57.7 +	120.6	23.6	2.5 +	1.8	2.7	1.5	3.5
VA23W-330	A	90.3	57.4 +	120.8	23.6	1.3	1.8	0.0 -	1.0	5.5
LA15093SB-30-3-3	A	90.2	55.3 -	121.1	27.6 +	0.8	2.5	0.0 -	2.0	3.5
Phoenix 29	A	90.1	57.3 +	121.4	24.1	3.2 +	1.2	1.1	3.0 +	6.0 +
19VTK15-37	AL	89.9	57.4 +	118.9 -	22.8 -	1.2	1.2	0.0 -	2.0	1.5
KWS585	A	89.7	55.8	121.0	23.6	2.3 +	3.3	5.1 +	1.0	1.5
GA141028-13-3-4-22LE25 (Exp)	A	89.4	55.0 -	121.8	21.5 -	0.0 -	2.6	0.0 -	5.0 +	4.0
GA131176-24-6-7-6-8-22E8 (Exp)	A	89.3	57.6 +	120.4	25.3	0.0 -	3.7	0.1 -	5.0 +	1.0
17VTK4-29	AL	89.1	56.4	119.8	23.1	2.0	0.8 -	1.0	2.5	4.5
GP 543	AL	88.7	55.9	119.3 -	25.3	1.8	1.3	2.7	1.5	5.0
DH19SRW08-020	A	88.6	57.4 +	117.5 -	22.6 -	0.8	1.0	0.6	2.0	2.0
VA23W-532	A	88.6	55.6	118.6 -	24.5	1.5	3.2	0.0 -	1.5	3.0
LA15203-LDH197	A	88.6	56.5	119.5 -	25.6	0.7	2.2	1.3	1.0	4.5
Dyna-Gro 9290	A	88.5	57.2 +	120.7	25.0	1.0	2.8	3.3	1.0	1.5
VA22W-57	A	88.4	55.9	118.7 -	24.8	1.5	3.0	0.6	1.5	3.5
VA18HRW-58	A	88.4	57.6 +	122.3 +	27.5 +	0.8	1.5	0.7	3.0 +	1.0
18VTK18-112	AL	88.2	57.1 +	119.7	25.6	0.5	2.8	1.4	1.5	4.0
AgriMAXX 553	A	88.1	55.6	120.7	22.5 -	1.3	2.7	4.4 +	1.0	2.5
mean	NA	89.5	56.2	120.7	24.6	1.2	2.5	2.3	1.8	3.0
LSD	NA	6.3	0.7	1.1	1.8	1.1	1.6	1.8	1.0	2.8
CV	NA	13.3	2.4	1.0	6.3	78.8	57.9	76.3	30.1	48.0

Line	Awns A-TA-AL	Grain Yield, bu/ac (7)	Test Weight, lb/bu (7)	Heading Date, Julian (3)	Height, In (3)	Lodging, 0-9 (3)	Powdery Mildew, 0-9 (4)	Leaf Rust, 0-9 (3)	FHB, 0-9 (1)	BYDV 0-9 (1)						
MAS #133	A	87.9	53.8	-	121.0	24.3	0.5	3.3	5.7	+	2.0	2.0				
SH 9520	A	87.9	56.0		122.5	+	25.1	1.5	1.0		4.0	2.5	3.5			
Dyna-Gro 9593	A	87.8	55.4	-	120.6	24.3	0.3	4.3	+	2.9	1.5	1.0				
MAS #190	A	87.6	55.8		122.5	+	23.5	0.8	3.7		3.7	1.5	1.5			
USG EXP 3246	AL	87.6	57.5	+	120.4	23.1	0.2	3.0	0.0	-	2.0	1.0				
Dyna-Gro 9422	A	87.5	54.4	-	121.5	25.6	1.5	3.8	5.0	+	1.5	2.5				
MAS #67	AL	87.5	56.2		122.0	+	27.1	+	0.5		3.7	3.4	1.0	4.5		
MAS #155	A	87.5	54.4	-	121.8	25.3	1.3	2.2	5.3	+	1.0	1.5				
VA23W-319	A	87.3	55.9		120.1	24.1	0.3	3.0	0.7		3.0	+	4.0			
USG EXP 3446	AL	87.3	56.6		118.9	-	23.6	0.3	1.0		1.6	1.0	4.0			
USG 3363	A	87.3	55.1	-	121.4	26.1	2.0	4.0	4.7	+	1.0	1.5				
MBX 127	A	87.2	55.2	-	121.6	23.6	1.5	3.0	4.6	+	1.0	1.5				
AgriMAXX 513	A	86.7	56.1		120.9	25.5	1.7	2.0	4.4	+	1.5	4.0				
AgriMAXX 545	A	86.6	54.1	-	121.1	23.6	1.0	3.2	5.3	+	1.0	2.0				
Dyna-Gro 9612	A	86.5	54.7	-	120.3	22.6	-	1.0	3.0	+	1.0	1.5				
MBX 360	A	86.4	54.0	-	121.7	24.5	1.7	3.7	4.7	+	1.5	1.5				
AgriMAXX 525	A	86.2	55.8		122.1	+	23.5	1.2	2.0		5.4	+	1.0	4.0		
26R33	A	86.2	56.5		122.5	+	25.0	0.7	3.5		4.1	1.0	1.0			
FS 748	A	86.0	55.4	-	121.1	25.5	1.8	1.2	5.6	+	1.0	3.5				
SH 7200	A	85.9	56.8		119.4	-	25.6	0.8	2.4		0.0	-	3.5	+	6.0	+
Dyna-Gro 9231	A	85.8	55.2	-	120.8	25.8	1.0	2.7	4.4	+	1.0	4.0				
SH 4222	A	85.4	55.3	-	120.3	25.1	1.0	2.5	4.7	+	1.0	5.5				
MAS #225	A	85.1	55.3	-	121.5	24.5	1.7	3.2	4.6	+	2.0	2.5				
MAS #139	A	85.0	54.8	-	121.2	23.5	0.8	4.2	5.6	+	3.0	+	1.5			
Dyna-Gro 9172	A	84.8	55.2	-	121.7	24.0	1.7	4.2	5.0	+	1.5	1.5				
mean	NA	89.5	56.2		120.7	24.6	1.2	2.5	2.3		1.8	3.0				
LSD	NA	6.3	0.7		1.1	1.8	1.1	1.6	1.8		1.0	2.8				
CV	NA	13.3	2.4		1.0	6.3	78.8	57.9	76.3		30.1	48.0				

Line	Awns A-TA-AL	Grain Yield, bu/ac (7)	Test Weight, lb/bu (7)	Heading Date, Julian (3)	Height, In (3)	Lodging, 0-9 (3)	Powdery Mildew, 0-9 (4)	Leaf Rust, 0-9 (3)	FHB, 0-9 (1)	BYDV 0-9 (1)
FS 891	A	84.5	56.2	121.4	24.3	1.2	4.0	4.6 +	1.0	2.5
USG 3234	AL	84.4	58.2 +	120.7	26.1	1.8	2.8	3.6	1.5	5.5
USG 3472	A	84.3	55.3 -	122.1 +	23.3	1.8	4.2	4.7 +	1.5	2.5
Dyna-Gro 9151	A	84.2	56.1	121.3	24.8	1.7	3.2	5.1 +	1.0	3.5
26R45	A	84.0	55.0 -	121.4	24.1	1.7	2.7	5.4 +	1.0	3.0
AGS 4023	A	83.8	58.3 +	121.4	25.3	0.2	1.8	0.0 -	4.0 +	3.0
Dyna-Gro 9533	AL	83.4	54.0 -	122.2 +	23.3	1.7	1.7	4.3 +	1.0	1.0
USG 3352	A	82.7 -	55.1 -	121.0	25.1	2.5 +	4.3 +	4.7 +	2.5	2.0
AGS 4714	A	82.6 -	58.8 +	120.4	25.6	2.5 +	1.3	0.1 -	1.0	2.0
MAS #316	A	82.4 -	55.7	121.9 +	27.0 +	1.0	3.7	4.7 +	1.0	2.0
AgriMAXX 505	A	82.0 -	56.2	120.5	25.1	1.3	3.8	4.9 +	1.5	1.0
AgriMAXX 543	AL	81.7 -	55.5	120.4	24.5	0.8	2.0	2.9	1.0	4.5
VA23W-40	A	81.6 -	55.8	119.5 -	23.0	2.0	1.7	3.7	3.0 +	4.5
AgriMAXX EXP 2430	A	80.2 -	54.8 -	117.7 -	25.1	1.0	4.2	5.3 +	1.0	3.5
FS 747	AL	80.2 -	55.3 -	121.0	25.0	1.0	2.3	2.6	1.0	5.0
FS 745	A	78.6 -	55.1 -	122.1 +	24.0	1.5	3.5	6.0 +	1.0	1.0
Dyna-Gro 9570	A	78.0 -	54.0 -	121.1	24.5	2.3 +	3.7	4.0	1.0	4.0
26R59	AL	78.0 -	54.7 -	120.3	25.8	1.0	2.7	4.4 +	3.5 +	5.5
MAS #205	AL	75.8 -	56.3	121.2	25.5	3.0 +	6.5 +	4.6 +	1.0	2.0
FS 743	A	75.1 -	55.4 -	121.9 +	24.5	1.0	3.0	4.6 +	1.5	3.5
USG EXP 3556	AL	74.5 -	53.3 -	121.3	23.3	3.2 +	5.7 +	3.9	1.0	4.5
MAS #2	AL	74.1 -	56.9 +	122.3 +	27.5 +	3.3 +	4.7 +	4.9 +	2.0	1.5
MASSEY	TA	69.0 -	56.0	121.6	27.3 +	3.2 +	1.8	6.7 +	2.5	5.0
MAS #106	AL	67.6 -	56.0	116.8 -	22.1 -	2.0	7.2 +	4.4 +	1.0	1.0
mean	NA	89.5	56.2	120.7	24.6	1.2	2.5	2.3	1.8	3.0
LSD	NA	6.3	0.7	1.1	1.8	1.1	1.6	1.8	1.0	2.8
CV	NA	13.3	2.4	1.0	6.3	78.8	57.9	76.3	30.1	48.0

Sites included Blacksburg, Blackstone, Orange, Painter, Holland, and Warsaw VA. Blackstone and Holland experienced significant deer damage to awnless varieties, and the worst damaged plots were removed from the analysis. A plus or minus sign indicates a performance significantly above or below the test average. The 0-9 ratings indicate a genotype's response to disease or lodging where 0=highly resistant and 9=highly susceptible.

FHB=Fusarium Head Blight Score(0-9) FDK=Fusarium Diseased Kernels(percent) DON=Deoxynivalenol concentration in the kernels(ppm) Awns, A=Awned, TA=Tip-Awned, and AL=Awnless

Table 10. Performance of entries in the Virginia Tech Wheat Test, 14 site-years, 2024 and 2025.

Line	Awns, A-TA-AL	Grain Yield, bu/ac (14)	Test Weight, lb/bu (14)	Heading Date, Julian (5)	Height, in (4)	Lodging, 0-9 (5)	Powdery Mildew, 0-9 (6)	FHB, 0-9 (2)	Leaf Rust, 0-9 (6)	BYDV, 0-9 (3)	FDK, % (1)	DON, ppm (1)
18VTK10-23	A	101.5 +	59.0 +	116 -	35	0.9	3.2	2.0	0.6 -	1.6	5	5
VA20FHB-18	A	101.1 +	57.4 +	117 -	37 +	0.6	1.6	2.0	0.4 -	1.6	15	9
VA20W-142	AL	97.1 +	56.9	119	35	1.1	2.1	3.5	0.4 -	2.0	10	4
USG 3463	A	96.1 +	55.9	119	33	1.7	1.8	2.2	3.1	2.8	7	3
VT Pitman	A	95.1 +	57.7 +	118 -	33	0.8	1.8	3.8	0.0 -	2.1	12	9
VA20FHB-20	A	95.0 +	58.2 +	117 -	35	0.5	1.6	2.7	4.1 +	3.1	15	8
USG 3673	AL	94.9 +	56.9	118	33	1.1	4.7 +	2.7	0.0 -	1.8	5	2
16VDH-SRW03-023	AL	94.9 +	55.8	118 -	35	0.6	2.7	3.5	0.0 -	3.0	8	6
MAS #226	A	94.5 +	56.4	118 -	31 -	1.1	2.8	1.0 -	1.5	2.6	5	3
VA20W-135	A	94.5	57.1 +	119	37 +	0.6	1.9	3.8	0.6 -	2.0	17	12
SH 5123	AL	94.4	57.2 +	119	33	1.0	3.5	3.2	0.0 -	2.6	5	2
VA22W-201	A	94.1	58.2 +	118 -	31 -	1.5	1.3	4.2 +	1.1 -	2.1	15	10
SH 7222	A	93.5	57.6 +	120	35	0.4 -	1.1 -	4.0	0.3 -	1.6	18	11
MAS #86	A	93.4	55.4 -	120	37 +	1.0	3.9 +	2.2	4.1 +	2.3	20	10
AGS 4043	A	93.2	58.2 +	119	32 -	0.6	0.8 -	3.0	0.3 -	2.5	5	4
18VTK6-3	A	93.0	57.3 +	120 +	34	0.8	1.1 -	2.5	0.4 -	1.6	22	8
VA21W-112	A	92.8	55.1 -	118	32 -	0.7	2.3	3.5	0.4 -	2.6	15	9
VA19FHB-36	A	92.7	57.6 +	118	37 +	0.5	1.7	2.8	1.1 -	2.5	18	6
17VDH-SRW02-125	A	92.4	57.5 +	121 +	35	0.9	0.7 -	2.2	0.2 -	2.3	7	5
DH19SRW07-321	A	92.3	56.5	120	35	0.7	2.1	3.8	1.5	1.5	17	11
DH20SRW02-073	AL	92.3	55.9	120 +	33	2.1 +	0.8 -	4.2 +	-0.2 -	1.8	20	7
19VTK7-66	A	92.2	56.5	120	37 +	1.9	1.4	2.5	0.2 -	2.1	10	10
NC18-16900	AL	92.1	57.1 +	120	36 +	1.3	0.8 -	2.0	-0.1 -	2.3	8	3
mean	NA	89.8	56.3	119	34	1.2	2.4	2.8	2.7	2.7	14	7
LSD	NA	4.7	0.7	1	1	0.7	1.2	1.2	1.3	1.6	13	6
CV	NA	13.8	3.1	1	5	80.5	58	31.6	62.6	53.6	47	41

Line	Awns, A-TA-AL	Grain Yield, bu/ac (14)	Test Weight, lb/bu (14)	Heading Date, Julian (5)	Height, in (4)	Lodging, 0-9 (5)	Powdery Mildew, 0-9 (6)	FHB, 0-9 (2)	Leaf Rust, 0-9 (6)	BYDV, 0-9 (3)	FDK, % (1)	DON, ppm (1)							
Dyna-Gro 9393	A	92.1	55.9	120	+	32	-	0.7	3.7	+	3.0	3.4	3.0	13	10				
USG 3354	AL	91.6	55.7	117	-	34		2.8	+	1.8	1.5	-	2.8	2.8	8	3			
VA22W-21	A	91.6	54.5	-	121	+	32	-	0.4	-	2.5	4.5	+	1.5	3.0	17	17	+	
Phoenix 96	A	91.5	56.8	122	+	37	+	0.9	0.9	-	3.5	1.7	2.5	50	+	13	+		
Dyna-Gro 9290	A	91.3	56.9	118	-	34		0.7	2.7	1.5	-	3.5	3.5	10	6				
USG 3451	AL	91.0	57.4	+	118	-	33		2.5	+	2.1	1.5	-	2.4	2.1	5	2		
MAS #155	A	90.9	55.0	-	120		35		1.0		1.8	2.0	5.9	+	2.3	13	7		
19VDH-FHB-MAS05-27	AL	90.7	55.1	-	121	+	35		2.5	+	2.5	3.5	2.3	2.1	13	5			
Phoenix 29	A	90.7	57.3	+	120		33		1.8		1.2	3.0	1.8	3.0	27	+	8		
Dyna-Gro 9593	A	90.5	55.5	-	118		32	-	0.5	-	3.7	+	2.5	3.3	3.0	7	6		
18VTK18-112	AL	90.4	56.8	118	-	36	+	0.9	2.5		2.2	1.4	2.6	5	5				
Dyna-Gro 9422	A	90.4	55.0	-	119		35		1.3		3.2	2.5	5.3	+	3.5	12	6		
AgriMAXX 545	A	90.4	54.5	-	120	+	33	-	0.9		2.6	3.3	5.1	+	2.8	15	10		
SH 9520	A	90.2	56.4	121	+	34		1.0	1.0	-	3.5	3.6	3.3	35	+	13	+		
15VTK-1-101	A	90.2	56.3	119		31	-	0.5	-	0.9	-	4.5	+	-0.2	-	2.3	17	8	
26R33	A	90.0	56.8	120	+	34		0.7	2.6		2.5	4.4	+	3.3	13	5			
USG 3363	A	89.5	55.8	120		35		1.3	3.3		2.0	4.5	+	2.1	7	7			
MBX 127	A	89.4	55.4	-	120		34		0.9		2.7	2.7	4.9	+	2.0	5	7		
GP 543	AL	89.3	55.4	-	116	-	35		2.2	+	1.2	2.2	2.7	3.6	7	7			
19VDH-FHB-MAS03-29	AL	88.9	57.0	+	118		34		0.8	-	1.1	-	1.2	-	0.2	-	2.6	15	3
HILLIARD	A	88.8	56.5	118	-	36		0.6	2.1		2.5	0.7	-	3.5	7	5			
Dyna-Gro 9231	A	88.7	55.9	119		36	+	1.0	2.7		2.0	4.6	+	3.5	8	6			
DH19SRW08-020	A	88.7	57.1	+	115	-	32	-	0.8	-	3.2	0.9	-	1.6	12	10			
MAS #190	A	88.6	56.2	122	+	33	-	0.6	3.3		3.0	4.4	+	2.0	10	6			
VA18HRW-58	A	88.6	57.5	+	122	+	37	+	1.6		1.4	4.2	+	1.4	2.6	22	9		
AgriMAXX 525	A	88.4	55.9	121	+	32	-	0.9	2.2		2.8	5.1	+	4.8	+	12	11		
mean	NA	89.8	56.3	119		34		1.2	2.4		2.8	2.7	2.7	14	7				
LSD	NA	4.7	0.7	1		1		0.7	1.2		1.2	1.3	1.6	13	6				
CV	NA	13.8	3.1	1		5		80.5	58.0		31.6	62.6	53.6	47	41				

Line	Awns, A-TA-AL	Grain Yield, bu/ac (14)	Test Weight, lb/bu (14)	Heading Date, Julian (5)	Height, in (4)	Lodging, 0-9 (5)	Powdery Mildew, 0-9 (6)	FHB, 0-9 (2)	Leaf Rust, 0-9 (6)	BYDV, 0-9 (3)	FDK, % (1)	DON, ppm (1)	Line
MAS #139	A	88.4	55.0	- 120	33	- 0.7	3.8	+ 3.2	5.7	+ 2.6	32	+ 9	
Dyna-Gro 9172	A	88.4	55.4	- 120	+ 34	1.2	3.8	+ 2.5	5.7	+ 2.5	10	7	
USG 3352	A	88.3	55.7	120	+ 35	1.7	3.8	+ 3.8	4.0	2.6	17	12	
MAS #225	A	88.3	55.6	120	+ 33	1.0	2.8	2.7	4.2	+ 2.5	7	4	
USG 3472	A	88.1	55.6	121	+ 33	1.2	3.8	+ 2.7	5.3	+ 2.5	8	10	
17VTK4-29	AL	87.6	56.4	117	- 32	- 2.1	+ 0.7	- 4.0	1.3	- 3.0	7	4	
AgriMAXX 513	A	87.5	56.1	120	34	1.1	1.6	3.0	4.2	+ 2.8	17	4	
Dyna-Gro 9533	AL	87.1	53.9	- 120	+ 33	- 1.4	1.3	1.5	- 5.2	+ 1.1	25	4	
SH 4222	A	87.1	55.8	119	35	0.9	2.1	2.0	4.8	+ 4.1	10	9	
SH 7200	A	86.9	57.0	+ 117	- 36	+ 1.2	2.5	4.8	+ 0.3	- 3.8	32	+ 12	
Dyna-Gro 9570	A	86.6	54.6	- 119	34	2.1	+ 3.5	2.5	4.1	+ 4.1	17	5	
DH19SRW08-001	AL	86.3	55.7	120	+ 32	- 1.4	1.4	3.7	1.4	- 2.8	13	7	
Dyna-Gro 9151	A	85.8	56.6	120	34	1.2	2.8	2.2	5.1	+ 3.6	10	5	
MAS #67	AL	85.5	55.4	- 118	35	0.7	4.2	+ 1.0	- 4.0	3.8	5	1	-
MAS #133	A	85.0	- 53.9	- 120	34	0.6	3.0	3.5	5.5	+ 3.1	35	+ 13	+
AgriMAXX 505	A	84.5	- 56.8	119	34	1.5	3.1	2.5	4.9	+ 3.1	15	4	
MAS #316	A	83.5	- 55.6	121	+ 36	+ 1.1	2.9	2.7	4.9	+ 4.1	15	11	
26R45	A	82.8	- 55.0	- 120	35	1.6	2.8	1.8	4.7	+ 3.0	5	3	
26R59	AL	80.9	- 54.8	- 118	33	- 0.8	2.9	3.5	4.5	+ 4.1	35	+ 7	
MAS #2	AL	78.5	- 56.9	121	+ 39	+ 3.6	+ 4.2	+ 3.2	4.7	+ 1.6	10	4	
MAS #106	AL	75.0	- 56.0	114	- 32	- 2.3	+ 6.8	+ 2.0	3.9	1.8	5	1	-
MASSEY	TA	69.3	- 56.2	118	37	+ 2.7	+ 1.4	2.0	7.4	+ 4.0	7	2	
mean	NA	89.8	56.3	119	34	1.2	2.4	2.8	2.7	2.7	14	7	
LSD	NA	4.7	0.7	1	1	0.7	1.2	1.2	1.3	1.6	13	6	
CV	NA	13.8	3.1	1	5	80.5	58.0	31.6	62.6	53.6	47	41	

A plus or minus sign indicates a performance significantly above or below the test average.

The 0-9 ratings indicate a genotype's response to disease or lodging where 0=highly resistant and 9=highly susceptible.

FHB=Fusarium Head Blight Score(0-9) FDK=Fusarium Diseased Kernels(percent) DON=Deoxynivalenol concentration in the kernels(ppm) Awns, A=Awned, TA=Tip-Awned, and AL=Awnless

Table 11. Performance of entries in the Virginia Tech Wheat Test, 20 site-years, 2023, 2024, and 2025.

Line	Awns, A-TA-AL	Grain Yield, bu/ac (20)	Test Weight, lb/bu (20)	Heading Date, Julian (7)	Height, In (6)	Lodging, 0-9 (7)	Powdery Mildew, 0-9 (9)	FHB, 0-9 (3)	Leaf Rust, 0-9 (8)	BYDV, 0-9 (4)	FDK, % (2)	DON, Ppm (2)
VA20FHB-18	A	105.2 +	57.5 +	117 -	37 +	0.7	1.7 -	2.7	0.4 -	1.5	30	9
18VTK10-23	A	104.9 +	59.1 +	116 -	36	0.7	3.3	2.7	0.4 -	1.3	25	6
VT Pitman	A	101.2 +	58.0 +	117 -	34 -	0.9	2.0	3.7	0.0 -	1.7	19	7
VA20W-142	AL	100.6 +	57.4 +	118	36 +	1.4	2.2	3.7	0.3 -	1.7	30	5
VA20W-135	A	100.4 +	57.5 +	119	38 +	0.8	2.3	4.0	0.5 -	1.7	43	12 +
SH 5123	AL	99.9 +	57.7 +	118	35	1.3	4.0 +	3.3	0.1 -	2.4	18	3
USG 3673	AL	99.8 +	57.5 +	118	34 -	1.2	4.7 +	3.0	0.1 -	1.7	18	3
15VTK-1-101	A	99.3 +	56.9	119	31 -	1.0	1.0 -	4.3	-0.1 -	1.8	39	9
17VDH-SRW02-125	A	98.6	58.0 +	121 +	35	1.1	0.5 -	2.8	0.2 -	2.0	26	8
VA19FHB-36	A	98.6	57.8 +	118 -	38 +	0.8	1.9 -	2.8	1.0 -	2.1	24	7
MAS #86	A	98.3	55.5 -	119	37 +	0.9	4.3 +	2.7	4.1 +	2.0	30	7
Dyna-Gro 9393	A	98.2	56.4	120 +	33 -	0.6	3.9 +	3.5	3.3	2.5	29	8
VA21W-112	A	97.9	55.3 -	118	33 -	0.9	2.1	4.2	0.4 -	2.1	49 +	14 +
18VTK6-3	A	97.9	57.6 +	120 +	35	0.7	1.4 -	2.8	0.3 -	1.3	40	7
USG 3463	A	97.8	55.9 -	119	33 -	1.3	2.0	2.8	3.6	2.3	36	4
VA20FHB-20	A	97.7	58.6 +	117 -	36	0.5	1.7 -	3.0	3.8	2.8	21	7
USG 3451	AL	97.7	57.5 +	117 -	35	2.4 +	2.4	2.5	2.1	1.7	10 -	3 -
16VDH-SRW03-023	AL	97.4	56.3	117 -	35	0.6	2.9	3.8	0.2 -	2.5	26	6
SH 9520	A	97.4	56.9	121 +	34	0.9	1.3 -	3.5	3.8	2.8	45	10
AGS 4043	A	96.5	58.3 +	118	32 -	0.8	0.7 -	3.3	0.2 -	2.1	20	4
Phoenix 29	A	96.3	57.7 +	120 +	34	1.6	1.6 -	3.3	1.7 -	2.5	51 +	9
SH 7222	A	96.1	58.0 +	119 +	35	0.3 -	1.2 -	3.7	0.2 -	1.4	49 +	10
mean	NA	94.8	56.7	119	35	1.2	2.7	3.3	3.0	2.4	31	7
LSD	NA	4.2	0.5	1	1	0.6	0.8	1.1	1.1	1.4	17	4
CV	NA	14.0	2.9	1	4	93.8	45.8	29.3	56.9	57.1	40	45

Line	Awns, A-TA-AL	Grain Yield, bu/ac (20)	Test Weight, lb/bu (20)	Heading Date, Julian (7)	Height, In (6)	Lodging, 0-9 (7)	Powdery Mildew, 0-9 (9)	FHB, 0-9 (3)	Leaf Rust, 0-9 (8)	BYDV, 0-9 (4)	FDK, % (2)	DON, Ppm (2)	
HILLIARD	A	95.4	56.8	117	- 36	+ 0.6	2.1	2.8	0.6	- 3.0	30	8	
GP 543	AL	95.3	55.8	- 116	- 36	+ 1.9	0.9	3.2	2.7	3.1	29	6	
USG 3363	A	95.3	56.2	- 119	36	+ 1.0	3.0	2.5	4.9	+ 1.8	19	6	
Dyna-Gro 9422	A	95.2	55.3	- 119	35	1.3	2.9	3.5	6.0	+ 3.0	41	10	
Dyna-Gro 9290	A	94.8	56.8	117	- 36	0.7	3.3	2.5	3.1	3.4	28	6	
MAS #155	A	94.8	55.3	- 119	36	1.3	2.1	3.0	6.6	+ 1.8	44	7	
MBX 127	A	94.7	55.7	- 119	+ 35	0.8	3.3	3.2	5.4	+ 1.7	20	5	
MAS #190	A	94.6	56.5	121	+ 33	- 0.7	3.3	3.7	4.3	+ 1.8	33	8	
17VTK4-29	AL	94.3	57.0	117	- 33	- 1.9	+ 0.6	- 4.3	1.0	- 2.7	36	6	
Dyna-Gro 9231	A	94.0	56.3	119	36	+ 0.9	3.0	3.0	4.4	+ 3.1	18	5	
Dyna-Gro 9172	A	93.6	55.8	- 119	35	1.1	4.1	+ 2.7	5.9	+ 2.3	25	5	
USG 3352	A	93.4	55.9	- 120	+ 35	1.3	4.1	+ 4.0	4.2	+ 2.3	38	14	+
AgriMAXX 525	A	93.4	56.2	120	+ 33	- 0.8	2.7	3.3	5.5	+ 4.4	+ 26	7	
MAS #139	A	93.2	55.4	- 119	34	- 0.6	3.8	+ 3.8	5.9	+ 2.1	51	+ 9	
SH 4222	A	93.1	56.2	- 119	36	0.8	2.4	2.8	5.2	+ 3.5	25	7	
VA18HRW-58	A	92.6	58.0	+ 121	+ 38	+ 1.6	1.6	- 4.0	1.2	- 2.5	46	8	
AgriMAXX 513	A	92.4	56.4	119	35	1.6	2.2	3.2	4.5	+ 2.5	28	4	
USG 3472	A	92.0	55.9	- 120	+ 34	- 1.0	4.2	+ 3.2	6.1	+ 2.1	26	6	
MAS #133	A	91.7	54.2	- 119	35	0.8	3.7	+ 3.5	5.4	+ 2.8	55	+ 13	+
SH 7200	A	91.6	57.3	+ 116	- 36	1.5	3.0	5.3	+ 0.3	- 3.4	56	+ 19	+
Dyna-Gro 9151	A	90.6	57.0	119	35	1.4	3.1	3.0	5.7	+ 3.3	35	7	
MAS #67	AL	90.2	- 55.5	- 117	- 35	0.7	5.0	+ 2.3	3.6	3.3	14	- 2	-
AgriMAXX 505	A	89.8	- 57.3	+ 119	35	1.3	3.4	3.0	4.9	+ 3.0	30	5	
MAS #316	A	89.2	- 56.0	- 120	+ 36	+ 1.2	3.7	+ 2.8	4.8	+ 3.5	30	8	
MAS #2	AL	82.9	- 57.4	+ 120	+ 40	+ 3.9	+ 4.6	+ 3.2	4.5	+ 1.4	22	4	
MAS #106	AL	78.3	- 56.2	113	- 33	- 2.2	+ 6.9	+ 2.7	3.8	1.5	15	2	-
mean	NA	94.8	56.7	119	35	1.2	2.7	3.3	3.0	2.4	31	7	
LSD	NA	4.2	0.5	1	1	0.6	0.8	1.1	1.1	1.4	17	4	
CV	NA	14.0	2.9	1	4	93.8	45.8	29.3	56.9	57.1	40	45	

Line	Awns, A-TA-AL	Grain Yield, bu/ac (20)	Test Weight, lb/bu (20)	Heading Date, Julian (7)	Height, In (6)	Lodging, 0-9 (7)	Powdery Mildew, 0-9 (9)	FHB, 0-9 (3)	Leaf Rust, 0-9 (8)	BYDV, 0-9 (4)	FDK, % (2)	DON, Ppm (2)
MASSEY	TA	72.8 -	56.4	118	38 +	2.9 +	1.7 -	2.8	7.6 +	3.4	34	6
mean	NA	94.8	56.7	119	35	1.2	2.7	3.3	3.0	2.4	31	7
LSD	NA	4.2	0.5	1	1	0.6	0.8	1.1	1.1	1.4	17	4
CV	NA	14.0	2.9	1	4	93.8	45.8	29.3	56.9	57.1	40	45

A plus or minus sign indicates a performance significantly above or below the test average.

The 0-9 ratings indicate a genotype's response to disease or lodging where 0=highly resistant and 9=highly susceptible.

FHB=Fusarium Head Blight Score(0-9) FDK=Fusarium Diseased Kernels(percent) DON=Deoxynivalenol concentration in the kernels(ppm) Awns, A=Awned, TA=Tip-Awned, and AL=Awnless

Table 12. Performance of entries in the Virginia Tech Wheat Test, Kentland Farm, Blacksburg, VA 2025.

Line	Awns, A-TA-AL	Grain Yield, bu/ac	Test Weight, lb/bu	Heading Date, Julian	Height, in	Lodging, 0-9	Powdery Mildew, 0-9	BYDV, 0-9
KWS623	AL	128.6 +	60.4	121.0	34.5	0.0	2.5	4.0
USG 3755	AL	124.3 +	60.7	122.5	31.5	0.0	2.0	2.5
19VDH-FHB-MAS05-27	AL	122.9 +	60.2	123.3	32.5	0.0	5.0	4.0
VA23W-432	A	118.3 +	60.6	120.5	35.0	0.0	1.5	3.0
DH19SRW08-001	AL	117.1 +	61.0	123.0	29.0 -	0.0	5.0	3.0
16VDH-SRW03-023	AL	115.9 +	60.5	121.0	31.5	0.0	4.5	5.0
MAS #252	A	115.0 +	58.2 -	122.8	32.5	0.0	4.0	1.5
DH20SRW02-073	AL	114.7 +	60.8	122.8	32.0	2.0 +	1.5	2.0
19VTK15-37	AL	114.5 +	61.6 +	120.3 -	30.0	0.0	1.0 -	1.5
KWS579	A	114.2 +	59.3 -	122.8	31.0	0.0	6.5 +	2.5
MAS #226	A	113.8 +	61.6 +	122.3	29.5	0.0	3.5	1.5
18VTK10-77	A	113.7 +	61.6 +	120.5	32.0	0.0	1.0 -	1.0
MAS #155	A	113.6 +	61.7 +	123.5	34.5	0.0	4.5	1.5
VA23W-433	AL	113.3 +	59.2 -	121.0	35.0	0.5	3.5	5.0
Dyna-Gro 9422	A	113.2 +	61.6 +	123.0	34.5	0.0	5.5	2.5
USG 3354	AL	112.9 +	60.4	120.8	32.5	0.5	0.5 -	3.5
19VTK7-66	A	112.6 +	60.4	122.3	35.5	1.5 +	2.5	2.0
18VTK10-23	A	112.5 +	62.8 +	121.3	33.0	0.0	4.0	3.0
AgriMAXX EXP 2510	A	112.4 +	59.1 -	123.3	34.0	0.0	6.0	2.0
17VTK4-29	AL	112.0	60.1 -	120.8	29.5	0.0	1.0 -	4.5
SH 9520	A	111.5	61.3	124.0	34.5	0.0	0.0 -	3.5
AgriMAXX 566	A	111.5	61.3	123.3	32.5	0.0	1.0 -	2.5
VA20W-135	A	111.2	61.5 +	122.5	38.0 +	0.0	3.5	2.0
mean	NA	103.9	60.7	122.2	32.7	0.2	3.9	3.0
LSD	NA	8.3	0.6	1.9	3.5	0.9	2.4	2.8
CV	NA	5.8	0.7	1.1	5.5	265.1	31.5	48.0

Line	Awns, A-TA-AL	Grain Yield, bu/ac	Test Weight, lb/bu	Heading Date, Julian	Height, in	Lodging, 0-9	Powdery Mildew, 0-9	BYDV, 0-9			
VA20W-142	AL	111.2	61.1	121.8	34.5	0.5	4.5	2.0			
VA20FHB-18	A	111.0	62.0	+	121.5	34.0	0.0	2.5	1.0		
MAS #205	AL	110.6	61.5	+	123.0	33.5	1.5	+	8.5	+	2.0
USG EXP 3246	AL	110.4	62.1	+	122.3	31.5	0.0	5.5	1.0		
VA21W-112	A	110.3	59.5	-	122.0	25.5	-	0.0	1.5	3.0	
18VTK10-188	A	109.8	60.5	-	120.3	32.0	0.5	2.0	3.0		
GP 543	AL	109.5	60.0	-	120.8	33.0	0.0	0.5	-	5.0	
18VTK10-133	A	109.0	62.4	+	120.8	33.5	0.0	4.5	3.0		
USG 3472	A	108.8	60.4		123.0	32.5	0.0	5.5	2.5		
Dyna-Gro 9231	A	108.7	61.5	+	122.5	34.5	0.0	3.5	4.0		
DH19SRW07-321	A	108.5	61.9	+	122.0	32.5	0.0	6.0	2.5		
VA22W-201	A	108.4	62.5	+	122.1	31.0	0.0	1.0	-	2.5	
VA23W-40	A	108.3	61.3		121.5	30.5	0.0	2.0	4.5		
KWS585	A	108.2	60.6		122.8	32.0	0.0	6.5	+	1.5	
PITMAN	A	108.2	62.0	+	121.0	31.0	0.0	3.5	3.5		
SH 7222	A	108.1	61.9	+	123.0	34.0	0.0	0.5	-	3.5	
MAS #139	A	107.8	60.8		123.0	33.0	0.0	8.0	+	1.5	
MBX 360	AL	107.7	60.1	-	123.5	31.5	0.0	7.0	+	1.5	
USG EXP 3446	AL	107.5	60.2		120.8	29.0	-	0.0	0.5	-	4.0
VA23W-330	A	107.5	62.7	+	123.0	32.5	0.0	3.5	5.5		
FS 748	A	107.3	60.4		122.3	31.5	0.0	2.5	3.5		
19VTK7-61	A	107.2	60.2		122.0	30.5	0.0	4.0	2.5		
VA23W-730	A	106.8	59.1	-	121.0	31.5	0.0	1.0	-	5.0	
Dyna-Gro 9570	A	106.8	59.6	-	122.8	33.0	0.0	6.5	+	4.0	
FS 745	A	106.7	60.4		122.0	33.5	0.0	4.5	1.0		
mean	NA	103.9	60.7	122.2	32.7	0.2	3.9	3.0			
LSD	NA	8.3	0.6	1.9	3.5	0.9	2.4	2.8			
CV	NA	5.8	0.7	1.1	5.5	265.1	31.5	48.0			

Line	Awns, A-TA-AL	Grain Yield, bu/ac	Test Weight, lb/bu	Heading Date, Julian	Height, in	Lodging, 0-9	Powdery Mildew, 0-9	BYDV, 0-9
18VTK6-3	A	106.7	61.9 +	123.5	33.0	0.0	1.5	3.0
AgriMAXX 513	A	106.2	61.5 +	122.0	34.0	0.0	4.0	4.0
KWS625	AL	106.0	60.1 -	122.0	33.5	0.0	3.5	7.5 +
USG 3234	AL	105.9	62.7 +	122.5	35.5	0.0	2.0	5.5
DH19SRW08-020	A	105.9	61.1	118.8 -	28.0 -	0.0	1.0 -	2.0
20VTK7-151	A	105.8	62.4 +	121.0	28.5 -	0.0	1.0 -	3.0
VA19FHB-36	A	105.7	62.2 +	123.3	33.5	0.0	4.0	2.5
USG 3875	A	105.7	60.4	123.3	33.0	0.0	6.5 +	2.0
VA22W-21	A	105.5	59.8 -	123.3	31.0	0.0	4.5	3.5
KWS571	A	105.4	60.2	124.3 +	34.5	0.0	5.0	1.5
MAS #67	AL	105.0	59.6 -	124.3 +	36.0	0.5	4.0	4.5
USG 3363	A	104.9	61.1	123.3	35.5	1.0	6.5 +	1.5
MAS #133	A	104.8	58.7 -	122.8	33.5	0.0	5.5	2.0
MAS #86	A	104.7	59.9 -	123.0	36.5 +	0.0	6.5 +	2.5
Dyna-Gro 9393	A	104.5	61.0	124.0	31.5	0.0	6.0	2.0
20VTK11-79	A	104.4	62.1 +	122.3	30.0	0.0	1.0 -	1.5
19VDH-FHB-MAS03-29	AL	104.3	61.3	121.3	33.0	0.0	2.5	4.5
USG 3451	AL	103.9	61.8 +	122.0	33.0	0.0	3.5	3.5
18VTK9-68	A	103.4	60.2	120.8	31.5	0.0	2.5	3.5
Dyna-Gro 9172	A	103.2	60.4	123.5	33.5	0.0	6.5 +	1.5
AGS 4043	A	103.1	61.5 +	121.5	30.5	0.0	0.0 -	4.5
Dyna-Gro 9533	AL	102.7	58.0 -	124.0	31.0	0.0	1.0 -	1.0
Dyna-Gro 9593	A	102.6	60.6	122.8	32.5	0.0	6.5 +	1.0
MAS #225	A	102.5	60.7	122.8	32.5	0.0	5.0	2.5
HILLIARD	A	102.5	60.6	122.0	34.5	0.0	4.0	4.5
mean	NA	103.9	60.7	122.2	32.7	0.2	3.9	3.0
LSD	NA	8.3	0.6	1.9	3.5	0.9	2.4	2.8
CV	NA	5.8	0.7	1.1	5.5	265.1	31.5	48.0

Line	Awns, A-TA-AL	Grain Yield, bu/ac	Test Weight, lb/bu	Heading Date, Julian	Height, in	Lodging, 0-9	Powdery Mildew, 0-9	BYDV, 0-9
15VTK-1-101	A	102.4	60.0 -	121.8	28.5 -	0.0	0.5 -	3.5
USG 3463	A	102.3	60.1 -	122.8	32.0	0.5	3.0	1.5
VA20FHB-20	A	102.0	61.8 +	120.3 -	33.5	0.0	1.5	3.5
MAS #316	A	101.2	61.3	122.8	35.5	0.0	6.0	2.0
18VTK18-112	AL	101.1	61.6 +	121.3	34.0	0.0	6.5 +	4.0
AgriMAXX 545	A	101.1	59.8 -	123.5	33.0	0.0	6.5 +	2.0
MBX 127	A	101.0	59.7 -	123.5	32.0	0.0	5.0	1.5
KWS578	A	100.8	62.6 +	122.8	33.0	0.0	5.5	3.5
LA19333-NDH31	A	100.4	61.4	121.3	28.5 -	0.0	0.5 -	3.0
VA18HRW-58	A	100.4	61.0	123.3	35.5	0.0	1.5	1.0
17VDH-SRW02-125	A	100.4	61.6 +	123.5	36.0	0.5	0.5 -	3.5
NC18-16900	AL	100.3	61.6 +	122.5	36.5 +	0.5	0.0 -	4.0
26R45	A	100.3	60.3	122.5	33.5	0.0	3.0	3.0
Dyna-Gro 9612	A	100.1	60.3	121.5	30.0	0.0	2.5	1.5
USG 3352	A	100.0	60.9	123.0	34.5	1.0	6.5 +	2.0
AgriMAXX 553	A	99.9	60.5	122.5	30.5	0.0	3.5	2.5
Dyna-Gro 9632	A	99.7	60.3	122.3	33.0	0.0	7.5 +	3.0
26R59	AL	99.7	60.0 -	121.5	41.5 +	0.0	3.5	5.5
VA23W-345	A	99.3	59.7 -	121.0	32.5	0.0	4.5	2.0
FS 747	AL	99.2	59.5 -	122.0	33.5	0.0	3.5	5.0
USG 3673	AL	98.3	61.5 +	121.3	31.0	0.5	7.5 +	2.0
VA23W-319	A	98.1	60.6	120.8	31.5	0.0	6.5 +	4.0
26R33	A	98.1	61.7 +	122.8	33.0	0.0	6.0	1.0
VA22W-57	A	97.4	61.0	120.3 -	32.5	0.0	6.5 +	3.5
FS 891	A	97.3	60.6	122.8	33.0	0.0	6.5 +	2.5
mean	NA	103.9	60.7	122.2	32.7	0.2	3.9	3.0
LSD	NA	8.3	0.6	1.9	3.5	0.9	2.4	2.8
CV	NA	5.8	0.7	1.1	5.5	265.1	31.5	48.0

Line	Awns, A-TA-AL	Grain Yield, bu/ac	Test Weight, lb/bu	Heading Date, Julian	Height, in	Lodging, 0-9	Powdery Mildew, 0-9	BYDV, 0-9
VA23W-532	A	97.3	59.7 -	121.0	31.0	0.0	6.5 +	3.0
GA131176-24-6-7-6-8-22E8 (Exp)	A	97.2	60.4	121.3	32.0	0.0	7.5 +	1.0
Dyna-Gro 9290	A	97.1	60.5	122.0	33.5	0.0	5.0	1.5
MAS #190	A	96.9	59.8 -	124.3 +	32.5	0.0	5.0	1.5
GA141028-13-3-4-22LE25 (Exp)	A	96.7	60.5	122.8	28.0 -	0.0	5.5	4.0
AgriMAXX 525	A	96.6	60.6	124.0	32.5	0.0	4.5	4.0
SH 5123	AL	96.4	61.6 +	121.8	32.0	0.0	7.0 +	4.0
SH 4222	A	96.3	60.8	121.3	33.5	0.0	3.0	5.5
FS 743	A	96.1	61.0	123.3	32.5	0.0	4.0	3.5
AgriMAXX 543	AL	95.9	59.7 -	121.8	31.5	0.0	3.0	4.5
AGS 4023	A	95.8	62.2 +	123.3	33.5	0.0	3.0	3.0
Phoenix 96	A	94.8 -	60.0 -	124.1 +	35.0	0.0	1.0 -	2.5
LA15093SB-30-3-3	A	93.5 -	60.6	121.5	34.0	0.0	5.0	3.5
Dyna-Gro 9151	A	93.3 -	61.9 +	123.0	32.0	0.0	6.0	3.5
AgriMAXX EXP 2430	A	93.0 -	59.6 -	119.5 -	32.0	0.0	6.5 +	3.5
Phoenix 29	A	91.9 -	60.6	123.3	32.0	2.5 +	1.5	6.0 +
AgriMAXX 505	A	91.6 -	61.4	123.0	33.5	0.0	6.0	1.0
SH 7200	A	91.3 -	60.4	121.3	33.5	0.5	5.5	6.0 +
USG EXP 3556	AL	91.2 -	58.8 -	122.5	31.0	0.5	7.0 +	4.5
LA19333-NDH34	A	90.1 -	61.1	122.3	33.5	0.0	2.5	3.5
AGS 4714	A	86.7 -	62.5 +	121.8	34.5	0.0	1.5	2.0
LA15203-LDH197	A	84.5 -	59.6 -	121.0	31.5	0.0	5.5	4.5
MAS #2	AL	81.2 -	61.0	124.0	37.0 +	4.0 +	7.5 +	1.5
MAS #106	AL	78.5 -	59.2 -	118.3 -	30.0	0.0	8.0 +	1.0
MASSEY	AL	78.5 -	59.7 -	122.5	35.0	2.0 +	1.5	5.0
mean	NA	103.9	60.7	122.2	32.7	0.2	3.9	3.0
LSD	NA	8.3	0.6	1.9	3.5	0.9	2.4	2.8
CV	NA	5.8	0.7	1.1	5.5	265.1	31.5	48.0

A plus or minus sign indicates a performance significantly above or below the test average. The 0-9 ratings indicate a genotype's response to disease or lodging where 0=highly resistant and 9=highly susceptible.
FHB=Fusarium Head Blight Score(0-9) FDK=Fusarium Diseased Kernels(percent) DON=Deoxynivalenol concentration in the kernels(ppm) Awns, A=Awned, TA=Tip-Awned, and AL=Awnless

Table 13. Performance of entries in the Virginia Tech Wheat Test, Southern Piedmont AREC, Blackstone, VA, 2025.

Line	Awns, A-TA-AL	Grain Yield, bu/ac	Test Weight, lb/bu	Powdery Mildew, 0-9	Leaf Rust, 0-9
18VTK10-23	A	112.1 +	57.9 +	1.0	0.0
18VTK10-133	A	109.5 +	57.9 +	0.0	0.0
VA20W-135	A	106.6 +	56.6 +	0.0	0.0
AgriMAXX EXP 2510	A	102.9 +	53.5 -	0.0	0.0
Dyna-Gro 9632	A	102.1 +	54.2	0.0	0.5
15VTK-1-101	A	101.7 +	54.4	0.0	0.0
VA20FHB-18	A	101.2 +	54.8	0.0	0.0
VA23W-730	A	101.0 +	56.3 +	0.0	1.0
Phoenix 96	A	100.7 +	56.7 +	0.0	0.0
KWS571	A	100.4 +	55.7 +	0.0	0.0
VA20FHB-20	A	99.6 +	56.9 +	0.0	2.0
SH 7222	A	99.4 +	55.6 +	0.5	0.0
Dyna-Gro 9393	A	98.8 +	54.8	2.0	0.5
VA19FHB-36	A	98.3	55.5 +	0.0	0.0
MAS #190	A	98.2	55.6 +	3.0	0.5
DH19SRW07-321	A	96.7	55.3	0.0	0.0
USG 3472	A	96.7	55.1	1.0	2.5
18VTK10-188	A	95.9	55.3	0.0	0.5
LA19333-NDH34	A	95.4	57.0 +	0.0	0.0
VA21W-112	A	95.3	52.9 -	0.5	0.0
VA20W-142	AL	94.9	55.1	0.0	0.0
Dyna-Gro 9172	A	94.9	55.1	1.5	2.5
MAS #252	A	94.7	53.1 -	1.5	0.5
26R45	A	94.6	54.8	1.0	4.0 +
USG 3463	A	94.4	54.1	0.0	0.5
AgriMAXX 553	A	94.2	55.1	0.0	1.0
17VDH-SRW02-125	A	94.1	55.1	0.0	0.0
MAS #86	A	94.1	53.4 -	0.0	1.0
KWS579	A	93.9	53.3 -	3.5 +	0.5
KWS585	A	93.8	54.9	0.0	3.5 +
USG 3875	A	93.6	54.2	3.5 +	0.0
Dyna-Gro 9290	A	93.6	56.7 +	0.0	0.0
AgriMAXX 566	A	93.4	54.3	1.0	3.0 +
AgriMAXX 525	A	93.1	55.0	0.0	2.5
VA23W-319	A	92.9	54.2	0.0	0.0
HILLIARD	A	92.9	54.3	0.0	0.0
GA141028-13-3-4-22LE25 (Exp)	A	92.9	53.8	0.0	0.0
mean	NA	83.4	54.5	0.7	0.9
LSD	NA	15.0	1.0	2.5	1.6
CV	NA	12.7	1.3	188.0	87.3

Line	Awns, A-TA-AL	Grain Yield, bu/ac	Test Weight, lb/bu		Powdery Mildew, 0-9	Leaf Rust, 0-9	
19VTK7-61	A	92.7	55.3		0.0	0.5	
GA131176-24-6-7-6-8-22E8 (Exp)	A	91.8	56.5	+	0.0	0.0	
SH 9520	A	91.8	54.4		0.0	0.5	
MAS #133	A	91.8	52.5	-	2.0	4.0	+
LA19333-NDH31	A	91.6	56.0	+	0.0	0.0	
MAS #139	A	91.5	53.3	-	0.0	3.0	+
NC18-16900	AL	91.5	55.9	+	0.0	0.0	
20VTK11-79	A	91.2	55.1		0.0	0.0	
FS 891	A	91.2	55.1		2.5	2.0	
Dyna-Gro 9151	A	90.8	54.5		0.0	2.5	
SH 4222	A	90.8	53.4	-	0.5	1.5	
AgriMAXX 505	A	90.8	54.8		1.5	2.0	
20VTK7-151	A	90.8	54.7		0.0	0.0	
AGS 4043	A	90.5	56.5	+	0.0	0.0	
Dyna-Gro 9612	A	90.4	51.9	-	2.0	3.5	+
VA22W-21	A	90.3	52.8	-	0.0	0.5	
26R33	A	90.2	55.9	+	1.5	1.0	
KWS625	AL	90.2	54.7		1.0	0.0	
18VTK6-3	A	90.0	56.3	+	0.0	0.0	
18VTK9-68	A	89.2	56.1	+	1.0	0.0	
VA23W-330	A	89.1	54.6		0.0	0.5	
PITMAN	A	88.8	53.8		0.0	0.0	
FS 745	A	88.7	54.6		1.5	5.0	+
Phoenix 29	A	87.9	56.0	+	0.0	0.0	
Dyna-Gro 9593	A	87.3	53.4	-	2.5	0.0	
MAS #316	A	87.3	55.0		1.5	1.5	
KWS578	A	87.0	57.2	+	1.0	0.0	
Dyna-Gro 9422	A	86.8	52.7	-	1.5	3.0	+
MAS #155	A	86.5	53.0	-	0.0	3.0	+
VA18HRW-58	A	86.2	54.7		0.0	0.0	
MAS #225	A	86.0	54.3		1.0	2.0	
SH 7200	A	86.0	54.8		0.5	0.0	
DH20SRW02-073	AL	85.9	52.7	-	0.0	0.0	
MBX 127	A	85.4	54.5		0.0	2.5	
USG 3755	AL	84.8	54.8		0.0	3.5	+
FS 743	A	84.7	53.1	-	1.5	2.0	
AgriMAXX EXP 2430	A	84.2	52.2	-	1.5	2.0	
LA15203-LDH197	A	84.0	54.4		0.0	0.0	
VA23W-345	A	84.0	54.4		0.0	0.0	
Dyna-Gro 9231	A	83.7	53.1	-	0.0	0.5	
mean	NA	83.4	54.5		0.7	0.9	
LSD	NA	15.0	1.0		2.5	1.6	
CV	NA	12.7	1.3		188.0	87.3	

Line	Awns, A-TA-AL	Grain Yield, bu/ac	Test Weight, lb/bu		Powdery Mildew, 0-9	Leaf Rust, 0-9
MBX 360	A	83.4	53.1	-	1.0	2.0
SH 5123	AL	82.8	55.4		2.0	0.0
VA22W-57	A	82.6	52.9	-	0.0	0.0
AgriMAXX 545	A	81.8	53.0	-	0.0	2.5
USG 3363	A	81.4	53.0	-	1.0	2.5
FS 748	A	81.1	53.6		0.0	4.0 +
19VTK7-66	A	81.1	54.4		1.0	0.0
AgriMAXX 513	A	80.5	54.5		0.0	1.5
VA23W-432	A	79.7	51.7	-	0.0	0.5
MAS #67	AL	79.2	55.4		3.5 +	1.0
LA15093SB-30-3-3	A	79.0	52.6	-	0.0	0.0
VA22W-201	A	78.9	56.3	+	0.0	0.5
DH19SRW08-001	AL	78.5	55.1		0.0	0.0
USG 3673	AL	77.3	54.8		1.5	0.5
AGS 4023	A	77.0	56.7	+	0.0	0.0
MAS #226	A	76.7	54.4		1.5	0.5
VA23W-532	A	76.3	51.9	-	0.0	0.5
MASSEY	TA	74.8	55.9	+	0.0	7.0 +
Dyna-Gro 9533	AL	74.4	53.1	-	0.0	2.0
Dyna-Gro 9570	A	73.7	51.6	-	0.0	0.5
DH19SRW08-020	A	73.4	56.3	+	0.0	0.5
18VTK10-77	A	73.2	55.8	+	0.0	0.5
16VDH-SRW03-023	AL	72.1	52.6	-	0.0	0.0
19VDH-FHB-MAS05-27	AL	71.1	52.9	-	1.0	0.0
USG EXP 3246	AL	71.0	54.3		0.0	0.5
VA23W-433	AL	70.5	50.3	-	0.0	0.0
USG 3352	A	69.5	54.3		1.0	1.0
AGS 4714	A	68.9	57.1	+	0.0	0.5
18VTK18-112	AL	67.5	53.5	-	0.0	0.0
USG EXP 3446	AL	64.7	54.9		0.0	0.0
MAS #2	AL	63.5	56.1	+	2.5	3.0 +
USG 3354	AL	63.4	54.5		0.0	0.0
MAS #205	AL	62.6	53.5	-	5.0 +	2.0
VA23W-40	A	61.2	53.4	-	0.0	0.5
USG 3234	AL	60.8	56.3	+	2.5	1.0
GP 543	AL	60.3	54.6		0.0	0.0
USG EXP 3556	AL	59.4	52.0	-	5.0 +	0.5
KWS623	AL	58.8	52.5	-	0.0	0.0
26R59	AL	57.5	54.1		1.0	1.5
17VTK4-29	AL	49.7	55.3		0.0	1.0
mean	NA	83.4	54.5		0.7	0.9
LSD	NA	15.0	1.0		2.5	1.6
CV	NA	12.7	1.3		188.0	87.3

Line	Awns, A-TA-AL	Grain Yield, bu/ac	Test Weight, lb/bu	Powdery Mildew, 0-9	Leaf Rust, 0-9
19VTK15-37	AL	46.8 -	55.4	1.5	0.0
FS 747	AL	43.9 -	50.5 -	0.0	0.5
19VDH-FHB-MAS03-29	AL	38.3 -	NA	0.0	0.5
MAS #106	AL	36.8 -	NA	8.5 +	2.0
AgriMAXX 543	AL	33.4 -	NA	0.0	0.0
USG 3451	AL	32.6 -	NA	0.0	0.5
mean	NA	83.4	54.5	0.7	0.9
LSD	NA	15.0	1.0	2.5	1.6
CV	NA	12.7	1.3	188.0	87.3

A plus or minus sign indicates a performance significantly above or below the test average.

The 0-9 ratings indicate a genotype's response to disease or lodging where 0=highly resistant and 9=highly susceptible.

FHB=Fusarium Head Blight Score(0-9) FDK=Fusarium Diseased Kernels(percent) DON=Deoxynivalenol concentration in the kernels(ppm) Awns, A=Awned, TA=Tip-Awned, and AL=Awnless

Table 14. Performance of entries in the Virginia Tech Wheat Test, Tidewater AREC, Holland, VA, 2025.

Line	Grain Yield, bu/ac		Test Weight, lb/bu	
18VTK10-23	74.5	+	56.1	+
AgriMAXX 525	74.5	+	53.3	
18VTK10-133	73.5		56.2	+
KWS571	73.5		53.9	
MAS #190	73.1		52.5	
17VDH-SRW02-125	73.1		53.9	
MBX 127	73.0		53.3	
VA22W-201	72.4		54.7	+
Dyna-Gro 9393	72.2		53.3	
18VTK10-188	72.1		56.3	+
18VTK9-68	71.8		56.1	+
PITMAN	71.5		54.4	
18VTK6-3	71.3		54.3	
MAS #86	70.8		52.8	
19VTK7-61	70.8		54.5	
19VTK7-66	70.7		54.0	
VA21W-112	70.5		52.9	
Dyna-Gro 9632	70.3		53.6	
KWS585	70.0		54.2	
AgriMAXX 545	70.0		52.2	
MAS #133	69.9		51.4	-
VA20FHB-20	69.7		55.6	+
AgriMAXX EXP 2510	69.6		52.3	
VA20W-135	69.5		54.3	
KWS625	69.5		53.7	
USG 3363	69.4		51.9	
KWS578	69.4		56.1	+
USG 3472	69.3		53.3	
USG 3352	69.2		52.5	
VA23W-730	68.9		54.4	
SH 7222	68.3		53.1	
Dyna-Gro 9172	68.3		52.7	
MAS #252	67.9		50.9	-
MAS #225	67.8		53.1	
USG 3463	67.5		53.3	
Dyna-Gro 9612	67.4		52.6	
26R33	67.3		54.3	
mean	61.4		53.2	
LSD	12.3		1.5	
CV	13.8		1.7	

Line	Grain Yield, bu/ac	Test Weight, lb/bu	
GA141028-13-3-4-22LE25 (Exp)	67.2	52.1	
MAS #155	67.1	51.6	-
MAS #139	66.9	53.3	
Dyna-Gro 9422	66.8	52.8	
VA19FHB-36	66.7	54.5	
FS 748	66.4	52.5	
Dyna-Gro 9151	65.9	54.3	
VA22W-21	65.4	49.1	-
Dyna-Gro 9231	65.3	52.1	
15VTK-1-101	65.1	51.8	
AgriMAXX 566	65.0	52.9	
FS 745	64.9	52.3	
USG 3875	64.9	51.7	-
VA22W-57	64.7	53.9	
VA20FHB-18	64.6	54.5	
Dyna-Gro 9593	64.5	51.7	-
Phoenix 29	64.4	54.7	+
VA23W-345	64.3	53.6	
26R45	64.0	53.0	
20VTK11-79	63.9	53.7	
DH19SRW07-321	63.6	52.8	
KWS579	63.5	52.8	
19VDH-FHB-MAS05-27	63.5	49.7	-
MAS #316	63.4	52.7	
SH 7200	63.3	54.6	
AgriMAXX 553	63.0	53.6	
DH20SRW02-073	62.9	50.7	-
HILLIARD	62.6	53.3	
Dyna-Gro 9290	62.4	54.6	
LA15093SB-30-3-3	62.1	51.2	-
USG 3673	61.8	54.5	
LA19333-NDH34	61.7	53.8	
Dyna-Gro 9570	61.6	51.6	-
AGS 4714	61.5	56.9	+
VA23W-40	61.0	54.2	
AgriMAXX 505	60.7	54.4	
GA131176-24-6-7-6-8-22E8 (Exp)	60.5	54.8	+
18VTK10-77	60.5	55.7	+
VA23W-532	60.4	53.4	
MAS #2	60.3	53.9	
mean	61.4	53.2	
LSD	12.3	1.5	
CV	13.8	1.7	

Line	Grain Yield, bu/ac	Test Weight, lb/bu
SH 5123	60.0	54.7
MAS #226	59.5	52.5
AgriMAXX 543	59.5	52.5
FS 891	59.2	53.5
SH 4222	58.9	52.1
FS 743	58.5	51.6 -
20VTK7-151	58.3	53.6
Phoenix 96	58.2	52.2
VA23W-319	58.0	52.7
LA19333-NDH31	57.6	52.8
SH 9520	57.3	51.3 -
MAS #67	57.1	52.8
VA20W-142	56.8	53.9
VA23W-432	56.8	50.9 -
AgriMAXX 513	56.4	52.3
26R59	56.1	54.2
VA23W-433	55.5	48.6 -
USG EXP 3246	55.1	54.2
MBX 360	54.4	52.3
AGS 4023	53.9	NA
DH19SRW08-020	53.6	54.0
AgriMAXX EXP 2430	53.5	52.4
VA23W-330	53.2	54.4
KWS623	52.6	NA
LA15203-LDH197	52.5	NA
MAS #205	52.5	NA
17VTK4-29	52.5	53.9
MASSEY	51.4	54.3
18VTK18-112	50.8	NA
VA18HRW-58	50.7	51.3 -
DH19SRW08-001	49.9	51.4 -
AGS 4043	49.6	53.9
GP 543	48.6 -	NA
USG 3755	46.9 -	52.5
NC18-16900	46.8 -	NA
USG 3234	44.5 -	NA
FS 747	43.4 -	NA
USG EXP 3446	42.5 -	NA
19VTK15-37	42.1 -	NA
16VDH-SRW03-023	41.3 -	NA
mean	61.4	53.2
LSD	12.3	1.5
CV	13.8	1.7

Line	Grain Yield, bu/ac	Test Weight, lb/bu
USG 3354	39.9 -	NA
USG 3451	39.3 -	NA
Dyna-Gro 9533	37.1 -	NA
MAS #106	35.9 -	NA
19VDH-FHB-MAS03-29	NA	NA
USG EXP 3556	NA	NA
mean	61.4	53.2
LSD	12.3	1.5
CV	13.8	1.7

A plus or minus sign indicates a performance significantly above or below the test average.
Excessive deer damage was observed at this location. This location was not included in the over location analysis.

Table 15. Performance of entries in the Virginia Tech Wheat Test, Northern Piedmont Center, Orange, VA, 2025.

Line	Grain Yield, bu/ac	Test Weight, lb/bu
KWS578	117.9 +	60.0 +
KWS571	117.7 +	58.0
VA20W-135	117.0 +	58.3 +
USG 3363	115.3 +	57.4
KWS623	115.2 +	55.6 -
USG 3755	114.3	57.2
KWS579	113.3	56.1
SH 5123	113.2	58.2 +
Dyna-Gro 9632	112.4	57.2
VA20FHB-20	111.6	58.2 +
Dyna-Gro 9422	110.9	56.5
19VTK15-37	110.9	57.8
VA22W-21	110.9	54.7 -
VA20W-142	110.5	57.8
18VTK10-133	110.2	59.3 +
AgriMAXX 553	110.1	57.8
MAS #133	110.1	56.1
SH 7222	110.1	57.9
AgriMAXX 566	109.9	57.0
MAS #226	109.8	57.7
KWS585	109.8	57.5
MBX 360	109.7	55.5 -
AgriMAXX 545	109.3	55.6 -
MAS #86	109.2	56.1
USG 3673	109.1	58.0
VA19FHB-36	109.1	57.8
Dyna-Gro 9533	109.1	56.0
USG 3875	109.0	57.0
19VDH-FHB-MAS05-27	108.9	55.7 -
GP 543	108.7	55.8 -
16VDH-SRW03-023	108.6	56.1
VA20FHB-18	108.4	58.1 +
DH19SRW08-001	108.1	57.2
SH 9520	108.0	57.8
AgriMAXX EXP 2510	107.9	56.6
MAS #155	107.9	56.6
AgriMAXX 513	107.7	57.3
mean	103.3	56.9
LSD	11.9	1.1
CV	8.2	1.4

Line	Grain Yield, bu/ac	Test Weight, lb/bu	
MAS #190	107.3	58.7	+
17VTK4-29	107.1	57.3	
18VTK6-3	106.9	57.9	
VA21W-112	106.7	54.4	-
USG EXP 3556	106.5	54.5	-
19VTK7-61	106.4	56.6	
USG 3354	106.4	56.1	
19VDH-FHB-MAS03-29	106.3	58.2	+
26R45	106.2	57.3	
Dyna-Gro 9593	106.1	57.3	
VA23W-433	106.0	54.9	-
KWS625	106.0	56.9	
AGS 4043	105.9	58.6	+
MBX 127	105.5	57.1	
Dyna-Gro 9151	105.3	57.8	
DH19SRW07-321	105.2	56.7	
SH 4222	105.2	56.7	
LA15203-LDH197	104.9	56.7	
Dyna-Gro 9393	104.8	55.8	-
FS 891	104.6	57.2	
DH19SRW08-020	104.1	56.7	
PITMAN	104.1	58.6	+
USG 3234	104.0	59.1	+
26R33	104.0	58.3	+
VA23W-532	104.0	55.7	-
VA23W-432	103.9	54.7	-
18VTK10-23	103.8	59.5	+
FS 747	103.8	55.7	-
VA22W-201	103.8	57.5	
17VDH-SRW02-125	103.7	59.0	+
VA23W-345	103.4	56.5	
NC18-16900	103.4	57.4	
LA15093SB-30-3-3	103.2	55.5	-
VA23W-330	102.8	57.7	
HILLIARD	102.6	56.8	
LA19333-NDH31	102.4	57.8	
MAS #252	102.0	54.2	-
18VTK10-188	102.0	56.9	
USG 3352	102.0	56.3	
FS 748	101.9	57.0	
mean	103.3	56.9	
LSD	11.9	1.1	
CV	8.2	1.4	

Line	Grain Yield, bu/ac	Test Weight, lb/bu	
Phoenix 96	101.7	56.2	
Dyna-Gro 9172	101.6	57.8	
MAS #139	101.1	56.2	
USG 3463	100.9	56.8	
Dyna-Gro 9231	100.8	57.0	
USG 3472	100.3	57.4	
18VTK18-112	100.2	56.7	
AgriMAXX 505	100.2	57.8	
AgriMAXX 525	100.1	56.9	
DH20SRW02-073	100.1	55.8	-
USG 3451	100.0	56.7	
Dyna-Gro 9290	99.7	57.5	
VA22W-57	99.5	55.4	-
AgriMAXX 543	99.3	56.1	
LA19333-NDH34	99.0	58.1	+
Dyna-Gro 9612	98.9	56.6	
20VTK11-79	98.4	56.9	
MAS #225	98.4	56.2	
18VTK10-77	98.3	57.9	
GA131176-24-6-7-6-8-22E8 (Exp)	98.2	58.1	+
USG EXP 3246	97.8	57.6	
USG EXP 3446	97.5	56.5	
AgriMAXX EXP 2430	97.4	55.9	
VA18HRW-58	96.8	57.9	
AGS 4023	96.5	58.9	+
Dyna-Gro 9570	96.4	55.3	-
18VTK9-68	95.9	57.1	
VA23W-730	95.6	56.4	
GA141028-13-3-4-22LE25 (Exp)	95.6	54.5	-
SH 7200	95.5	56.8	
MAS #316	95.4	57.2	
15VTK-1-101	95.3	56.2	
MAS #205	95.2	57.3	
VA23W-319	94.9	56.1	
20VTK7-151	94.8	56.7	
26R59	94.0	55.7	-
VA23W-40	93.4	55.6	-
AGS 4714	92.5	59.0	+
FS 745	91.3	-	57.1
FS 743	91.2	-	57.1
mean	103.3	56.9	
LSD	11.9	1.1	
CV	8.2	1.4	

Line	Grain Yield, bu/ac	Test Weight, lb/bu	
19VTK7-66	90.7 -	56.7	
MAS #67	90.2 -	57.2	
Phoenix 29	88.4 -	57.6	
MAS #2	87.8 -	58.2	+
MAS #106	86.5 -	55.6	-
MASSEY	73.6 -	55.6	-
mean	103.3	56.9	
LSD	11.9	1.1	
CV	8.2	1.4	

A plus or minus sign indicates a performance significantly above or below the test average.

Table 16. Performance of entries in the Virginia Tech Wheat Test, Eastern Shore AREC, Painter, VA, 2025.

Line	Grain Yield, bu/ac	Test Weight, lb/bu	Leaf Rust, 0-9
18VTK10-188	123.5 +	58.1 +	0.0 -
VA20FHB-18	119.2 +	58.0 +	0.3 -
18VTK10-133	118.1 +	59.6 +	0.0 -
18VTK10-23	116.9 +	59.3 +	0.3 -
HILLIARD	114.7 +	57.9 +	0.7 -
VA21W-112	114.6 +	56.1	0.7 -
15VTK-1-101	113.6 +	57.5 +	0.0 -
16VDH-SRW03-023	113.4 +	56.6	0.3 -
VA20W-142	112.3 +	58.2 +	0.0 -
VA19FHB-36	111.3 +	58.3 +	0.3 -
NC18-16900	111.0 +	58.5 +	0.0 -
LA15093SB-30-3-3	109.9 +	57.2 +	0.0 -
LA19333-NDH34	109.6 +	59.1 +	0.7 -
PITMAN	108.9 +	58.8 +	0.3 -
SH 7222	108.4 +	58.3 +	0.0 -
18VTK10-77	108.1 +	59.0 +	0.0 -
LA19333-NDH31	107.6 +	58.9 +	0.0 -
18VTK18-112	107.6 +	58.7 +	3.3
18VTK9-68	107.1 +	58.8 +	1.0 -
GP 543	106.6 +	56.7	5.3
DH20SRW02-073	105.3 +	56.7	0.0 -
17VDH-SRW02-125	104.4 +	58.9 +	0.3 -
19VTK7-61	104.2 +	58.4 +	0.3 -
AGS 4043	104.0 +	58.2 +	0.3 -
KWS623	103.3 +	56.4	6.0
18VTK6-3	102.9 +	57.8 +	0.3 -
USG 3354	102.9 +	56.2	4.7
USG EXP 3446	102.4 +	57.7 +	3.3
20VTK7-151	102.4 +	57.3 +	1.7 -
KWS625	101.2 +	56.2	6.3 +
DH19SRW08-020	100.7 +	58.7 +	1.7 -
KWS579	100.6 +	56.1	5.3
VA22W-201	99.9 +	59.1 +	2.3 -
19VTK15-37	99.8 +	58.8 +	0.3 -
USG EXP 3246	99.7 +	58.4 +	0.3 -
USG 3451	99.5 +	58.9 +	6.3 +
VA20W-135	99.0 +	57.7 +	1.0 -
mean	86.6	55.3	4.7
LSD	11.6	1.9	1.5
CV	9.6	2.4	20.4

Line	Grain Yield, bu/ac	Test Weight, lb/bu	Leaf Rust, 0-9
VA23W-433	99.0 +	54.9	1.0 -
FS 747	98.7 +	56.2	6.0
DH19SRW08-001	98.7 +	57.5 +	1.7 -
20VTK11-79	98.6 +	60.0 +	0.0 -
Phoenix 96	98.0	57.2	1.7 -
GA131176-24-6-7-6-8-22E8 (Exp)	97.8	57.8 +	0.7 -
AgriMAXX EXP 2510	97.6	56.0	6.0
LA15203-LDH197	97.5	57.0	4.0
GA141028-13-3-4-22LE25 (Exp)	96.7	55.3	0.3 -
Phoenix 29	96.4	56.7	3.0 -
AgriMAXX 543	96.1	55.8	6.7 +
AGS 4023	96.0	59.5 +	0.7 -
SH 7200	95.8	58.8 +	0.0 -
19VDH-FHB-MAS03-29	95.6	56.3	0.3 -
VA23W-432	95.5	56.1	1.0 -
VA20FHB-20	94.9	57.3 +	8.3 +
SH 5123	94.9	56.7	0.0 -
VA23W-532	94.2	56.3	0.0 -
DH19SRW07-321	94.1	56.4	2.3 -
USG 3673	94.0	57.0	0.3 -
VA23W-730	93.9	56.0	5.7
VA23W-345	93.4	56.8	0.3 -
19VTK7-66	93.2	56.7	1.0 -
MAS #67	92.5	55.6	7.3 +
VA23W-330	91.9	57.5 +	0.3 -
AGS 4714	91.0	59.2 +	0.7 -
USG 3463	90.7	54.4	8.0 +
VA22W-21	89.9	53.6	3.0 -
MAS #226	89.7	56.1	2.7 -
VA18HRW-58	88.9	59.4 +	2.3 -
KWS578	88.7	56.9	0.0 -
Dyna-Gro 9290	86.6	58.0 +	7.3 +
VA22W-57	85.8	56.1	1.3 -
USG 3234	84.1	57.2	7.0 +
VA23W-319	83.5	55.5	2.3 -
17VTK4-29	82.2	55.1	2.0 -
19VDH-FHB-MAS05-27	81.3	55.4	4.7
USG 3875	78.2	53.7	8.0 +
MAS #252	77.8	51.5 -	7.7 +
FS 891	77.8	54.9	9.0 +
mean	86.6	55.3	4.7
LSD	11.6	1.9	1.5
CV	9.6	2.4	20.4

Line	Grain Yield, bu/ac	Test Weight, lb/bu	Leaf Rust, 0-9
Dyna-Gro 9593	77.8	54.5	6.7 +
Dyna-Gro 9393	76.6	52.8 -	8.0 +
Dyna-Gro 9632	76.2	53.0 -	8.0 +
SH 4222	75.8	54.0	9.0 +
MAS #106	75.8	56.8	8.3 +
VA23W-40	75.5	55.0	8.3 +
AgriMAXX 513	75.2	54.8	8.7 +
Dyna-Gro 9612	73.7 -	54.0	9.0 +
SH 9520	73.5 -	55.1	8.7 +
KWS571	72.3 -	52.5 -	8.0 +
26R59	71.5 -	52.3 -	8.7 +
Dyna-Gro 9231	70.9 -	52.1 -	9.0 +
AgriMAXX 566	70.7 -	53.2 -	9.0 +
MAS #190	70.2 -	53.1 -	8.0 +
MAS #225	70.1 -	52.3 -	8.7 +
AgriMAXX 553	69.9 -	51.8 -	9.0 +
MAS #86	68.5 -	51.1 -	7.7 +
USG 3363	67.6 -	50.6 -	9.0 +
MBX 127	67.5 -	52.1 -	8.7 +
USG 3352	67.3 -	51.9 -	8.7 +
MAS #133	67.2 -	49.5 -	9.0 +
USG 3755	67.0 -	51.3 -	9.0 +
KWS585	66.4 -	51.0 -	9.0 +
AgriMAXX 545	66.0 -	51.2 -	9.0 +
MBX 360	65.8 -	49.8 -	9.0 +
26R33	64.8 -	52.4 -	8.7 +
Dyna-Gro 9533	64.7 -	50.8 -	8.3 +
AgriMAXX 525	63.7 -	52.5 -	9.0 +
AgriMAXX 505	63.5 -	52.2 -	9.0 +
FS 748	62.9 -	51.1 -	9.0 +
Dyna-Gro 9151	62.2 -	52.2 -	9.0 +
AgriMAXX EXP 2430	61.0 -	51.5 -	9.0 +
MAS #316	60.7 -	52.6 -	9.0 +
MAS #155	60.4 -	49.9 -	9.0 +
MAS #205	59.8 -	55.0	8.7 +
26R45	58.5 -	50.5 -	9.0 +
Dyna-Gro 9422	58.4 -	47.7 -	9.0 +
MAS #2	57.8 -	55.9	8.0 +
MAS #139	57.4 -	50.0 -	9.0 +
USG EXP 3556	57.2 -	48.5 -	8.3 +
mean	86.6	55.3	4.7
LSD	11.6	1.9	1.5
CV	9.6	2.4	20.4

Line	Grain Yield, bu/ac	Test Weight, lb/bu	Leaf Rust, 0-9
Dyna-Gro 9570	57.1 -	51.0 -	9.0 +
Dyna-Gro 9172	56.3 -	50.1 -	8.7 +
USG 3472	55.9 -	51.0 -	9.0 +
FS 745	51.2 -	49.6 -	9.0 +
FS 743	46.5 -	NA	9.0 +
MASSEY	45.6 -	50.9 -	8.7 +
mean	86.6	55.3	4.7
LSD	11.6	1.9	1.5
CV	9.6	2.4	20.4

A plus or minus sign indicates a performance significantly above or below the test average.
The 0-9 ratings indicate a genotype's response to disease or lodging where 0=highly resistant and 9=highly susceptible.

Table 17. Performance of entries in the Virginia Tech Wheat Test, Shenandoah Valley, VA, 2025.

Line	Grain Yield, bu/ac	Test Weight, lb/bu
VA20W-142	113.1 +	54.9
VA19FHB-36	113.1 +	56.3 +
VA20FHB-18	112.5 +	56.3 +
USG 3755	111.8 +	54.1
USG 3451	111.6 +	55.9 +
18VTK10-133	111.1 +	57.3 +
18VTK9-68	110.9 +	56.5 +
18VTK10-188	110.7 +	55.1
18VTK10-77	110.1 +	57.4 +
VA22W-201	108.5	56.2 +
18VTK10-23	108.1	57.7 +
VA23W-433	107.8	53.5
DH20SRW02-073	107.5	54.2
KWS578	107.1	58.5 +
AGS 4043	107.0	56.7 +
KWS571	107.0	54.6
19VTK7-66	106.3	55.5
VA23W-345	106.2	55.2
VA23W-432	105.7	53.8
16VDH-SRW03-023	105.6	54.0
USG 3673	105.1	55.5
VA21W-112	105.0	51.5 -
KWS579	104.9	54.9
Phoenix 96	104.6	54.1
LA15203-LDH197	103.6	55.6
VA18HRW-58	103.3	56.8 +
20VTK7-151	103.2	55.5
20VTK11-79	103.1	55.8
VA23W-730	102.8	55.5
VA20FHB-20	102.5	56.0 +
NC18-16900	101.4	56.1 +
18VTK6-3	100.6	54.8
KWS625	100.5	55.8 +
PITMAN	100.3	56.4 +
26R33	100.3	55.4
19VTK7-61	100.1	55.4
17VTK4-29	100.0	55.2
mean	96.6	54.6
LSD	13.5	1.2
CV	10.0	1.6

Line	Grain Yield, bu/ac	Test Weight, lb/bu	
USG 3354	99.8	53.5	
18VTK18-112	99.5	56.0	+
HILLIARD	99.5	54.2	
MAS #155	99.1	52.6	-
MAS #86	98.9	54.1	
MAS #226	98.7	55.7	
DH19SRW08-001	98.7	54.1	
AgriMAXX EXP 2510	98.7	53.8	
MAS #67	98.5	55.0	
VA23W-319	98.5	54.4	
LA15093SB-30-3-3	98.3	53.4	-
AgriMAXX EXP 2430	98.1	56.0	+
17VDH-SRW02-125	98.1	55.7	
19VDH-FHB-MAS03-29	98.0	54.8	
USG EXP 3246	97.9	56.5	+
VA23W-532	97.9	55.0	
VA20W-135	97.9	54.2	
Dyna-Gro 9151	97.8	55.7	
LA19333-NDH34	97.5	55.8	
AgriMAXX 566	97.4	54.5	
SH 7222	97.3	55.8	
19VTK15-37	96.9	55.8	
USG 3463	96.9	54.9	
DH19SRW07-321	96.8	54.2	
VA22W-21	96.8	50.1	-
MBX 127	96.7	53.4	-
Dyna-Gro 9632	96.5	52.7	-
VA22W-57	96.5	54.8	
KWS623	96.3	54.0	
19VDH-FHB-MAS05-27	96.3	53.5	
USG EXP 3446	96.1	55.6	
VA23W-330	96.1	56.0	+
Dyna-Gro 9533	95.9	53.2	-
Phoenix 29	95.9	56.0	+
KWS585	95.8	55.6	
SH 5123	95.7	55.0	
26R59	95.3	52.9	-
Dyna-Gro 9393	95.1	54.2	
AgriMAXX 553	94.7	53.1	-
MAS #133	94.7	53.5	
mean	96.6	54.6	
LSD	13.5	1.2	
CV	10.0	1.6	

Line	Grain Yield, bu/ac	Test Weight, lb/bu	
MAS #139	94.6	53.2	-
USG 3875	94.3	53.4	
MBX 360	94.3	52.5	-
GP 543	94.2	53.7	
AgriMAXX 545	93.9	52.1	-
Dyna-Gro 9612	93.9	52.1	-
LA19333-NDH31	93.6	54.8	
DH19SRW08-020	93.5	55.5	
USG 3234	93.4	57.5	+
FS 747	92.7	54.9	
AgriMAXX 505	92.6	55.2	
AgriMAXX 513	92.6	55.0	
MAS #316	92.3	54.3	
MAS #252	92.2	50.9	-
Dyna-Gro 9422	92.1	52.3	-
AgriMAXX 525	91.9	54.5	
AGS 4023	91.8	56.3	+
AGS 4714	91.7	57.8	+
AgriMAXX 543	91.4	54.9	
SH 4222	91.0	54.1	
MAS #2	90.8	55.1	
Dyna-Gro 9290	90.7	55.3	
FS 748	90.4	55.4	
USG 3352	90.4	52.8	-
FS 891	90.1	54.6	
Dyna-Gro 9172	90.0	53.7	
15VTK-1-101	89.7	52.4	-
26R45	89.1	53.2	-
Dyna-Gro 9231	88.6	53.9	
Dyna-Gro 9593	88.1	53.7	
MAS #225	87.9	53.9	
USG 3472	87.1	52.6	-
SH 9520	86.9	54.1	
MAS #190	86.8	54.3	
SH 7200	86.2	54.0	
VA23W-40	85.4	53.2	-
USG 3363	85.2	55.0	
GA141028-13-3-4-22LE25 (Exp)	83.4	50.8	-
GA131176-24-6-7-6-8-22E8 (Exp)	82.9	-	55.5
MASSEY	82.8	-	55.3
mean	96.6	54.6	
LSD	13.5	1.2	
CV	10.0	1.6	

Line	Grain Yield, bu/ac	Test Weight, lb/bu
MAS #205	82.3 -	55.7
USG EXP 3556	79.7 -	52.8 -
FS 745	77.8 -	52.5 -
MAS #106	76.3 -	55.2
Dyna-Gro 9570	76.2 -	52.8 -
FS 743	65.5 -	53.4
mean	96.6	54.6
LSD	13.5	1.2
CV	10.0	1.6

A plus or minus sign indicates a performance significantly above or below the test average.

Table 18. Performance of entries in the Virginia Tech Wheat Test, Eastern VA AREC in Warsaw, VA, 2025.

Line	Grain Yield, bu/ac	Test Weight, lb/bu	Heading Date, Julian	Height, in	Lodging, 0-9
KWS625	110.1 +	58.1	116.8	29.5 +	2.2
VA20FHB-18	107.5 +	58.5 +	115.5 -	31.3 +	1.8
18VTK9-68	106.2 +	59.2 +	114.8 -	29.3	2.2
19VTK7-66	105.1 +	59.1 +	118.3	30.3 +	2.5
KWS623	104.8 +	56.9	117.3	29.8 +	5.7 +
VA19FHB-36	104.4 +	59.0 +	117.3	30.3 +	1.0
VA20W-135	104.1 +	59.2 +	118.0	30.3 +	1.0
19VDH-FHB-MAS03-29	104.1 +	57.7	118.5	28.0	1.7
PITMAN	103.1 +	58.8 +	118.0	26.5	2.5
17VTK4-29	102.2 +	58.4 +	117.5	27.0	3.0
18VTK10-188	102.2 +	59.0 +	117.3	28.3	2.5
Phoenix 29	102.2 +	59.9 +	118.3	27.3	4.0 +
VA20W-142	101.9 +	59.0 +	117.8	29.0	1.7
18VTK10-23	101.6 +	59.7 +	115.3 -	29.0	1.8
VA22W-201	100.9 +	58.9 +	116.5 -	25.5 -	2.8
Phoenix 96	100.8 +	59.0 +	119.5 +	30.8 +	2.0
USG 3451	100.6 +	59.4 +	117.3	26.0 -	4.3 +
18VTK10-77	99.8 +	60.3 +	115.0 -	26.8	4.5 +
VA21W-112	99.8 +	56.4 -	117.3	26.8	1.8
19VDH-FHB-MAS05-27	99.6 +	56.8 -	119.3 +	28.0	4.5 +
19VTK7-61	99.4 +	58.6 +	117.0	26.3	1.7
VA22W-21	99.2 +	57.3	118.8 +	26.5	1.0
AGS 4043	99.0 +	59.9 +	119.5 +	26.0 -	0.7 -
16VDH-SRW03-023	98.5 +	57.7	117.5	28.3	1.5
KWS571	98.4 +	58.2	120.0 +	27.5	1.5
KWS579	98.3 +	56.8 -	118.0	26.0 -	1.7
USG 3354	98.2 +	58.1	116.5 -	27.5	4.0 +
DH19SRW07-321	98.1 +	58.5 +	119.3 +	28.5	1.5
18VTK10-133	97.8	60.0 +	115.3 -	28.3	1.5
19VTK15-37	97.6	57.6	114.8 -	26.3	2.2
20VTK11-79	97.3	59.3 +	118.0	25.0 -	1.7
USG 3673	97.0	58.7 +	118.0	26.8	2.0
DH20SRW02-073	96.9	57.2	118.8 +	26.8	2.5
GA131176-24-6-7-6-8-22E8 (Exp)	96.4	60.4 +	118.0	29.0	0.2 -
AgriMAXX EXP 2510	96.3	56.9	118.5	27.0	1.8
18VTK6-3	96.2	58.1	119.0 +	28.3	2.0
VA23W-730	96.0	58.3	116.5 -	28.0	1.2
mean	89.0	57.6	117.7	27.7	2.2
LSD	9.0	0.8	1.0	1.6	1.3
CV	7.3	1.0	0.6	4.3	42.1

Line	Grain Yield, bu/ac	Test Weight, lb/bu	Heading Date, Julian	Height, in	Lodging, 0-9
Dyna-Gro 9632	94.6	56.6	116.3	28.0	2.2
VA23W-432	93.8	56.8	116.3	29.3	0.7
AgriMAXX 566	93.8	57.5	118.3	28.5	2.5
GA141028-13-3-4-22LE25 (Exp)	93.6	57.7	119.3	25.3	0.5
DH19SRW08-001	93.3	58.1	118.5	27.3	2.8
LA15203-LDH197	92.8	58.3	113.3	29.8	1.5
GP 543	92.8	57.6	115.8	28.5	3.2
SH 7222	92.8	59.5	118.5	28.3	0.5
USG 3463	92.8	57.4	118.0	27.0	3.0
VA23W-433	92.7	55.7	117.3	30.3	2.0
VA20FHB-20	92.6	59.3	116.8	28.8	1.2
VA22W-57	92.4	57.5	115.0	28.0	2.7
VA18HRW-58	92.3	59.5	120.3	30.5	1.7
HILLIARD	92.1	58.3	117.3	28.5	1.7
MAS #226	91.8	57.9	117.5	26.5	3.0
FS 748	91.7	58.0	118.3	29.5	3.2
LA19333-NDH31	91.6	58.7	117.3	25.0	1.8
NC18-16900	91.6	58.4	118.8	29.3	2.5
20VTK7-151	91.3	57.2	115.8	25.0	0.7
VA23W-330	91.3	58.7	118.3	26.3	2.5
VA23W-345	90.9	57.5	118.3	29.3	2.0
15VTK-1-101	90.6	58.2	119.0	24.8	0.8
SH 5123	90.5	59.0	118.0	26.5	1.7
VA23W-532	90.3	57.6	114.8	28.3	2.8
Dyna-Gro 9533	89.9	55.7	118.3	26.5	3.0
17VDH-SRW02-125	89.9	58.7	119.0	28.0	2.0
Dyna-Gro 9290	89.6	58.1	117.8	27.8	2.0
MBX 360	89.6	55.7	118.3	28.0	3.0
DH19SRW08-020	89.3	59.2	114.0	27.0	1.7
AgriMAXX 513	88.4	56.9	118.0	28.3	3.0
USG 3875	88.2	57.1	118.0	27.0	1.2
Dyna-Gro 9593	88.1	56.9	118.0	27.3	1.0
MAS #67	88.1	57.9	118.8	29.8	1.0
MAS #252	88.1	54.9	118.0	27.3	1.2
Dyna-Gro 9393	87.7	57.4	119.5	25.5	1.7
MAS #86	87.5	56.6	118.0	29.5	2.0
USG 3363	87.0	56.6	118.3	28.5	3.0
USG EXP 3446	86.8	57.4	116.0	28.0	1.0
VA23W-40	86.5	58.3	115.0	26.3	3.2
KWS578	86.4	59.2	118.3	26.8	2.0
mean	89.0	57.6	117.7	27.7	2.2
LSD	9.0	0.8	1.0	1.6	1.3
CV	7.3	1.0	0.6	4.3	42.1

Line	Grain Yield, bu/ac	Test Weight, lb/bu	Heading Date, Julian	Height, in	Lodging, 0-9
AGS 4714	86.1	59.5 +	117.3	28.3	3.7 +
SH 9520	86.0	57.5	119.5 +	27.5	2.7
LA15093SB-30-3-3	85.3	56.1 -	118.0	31.5 +	1.7
18VTK18-112	85.2	58.6 +	116.5 -	28.5	1.3
VA23W-319	84.9	57.9	117.5	27.5	1.0
AgriMAXX 553	84.7	57.2	117.5	25.5 -	2.5
Dyna-Gro 9422	84.6	55.5 -	118.0	28.3	2.7
LA19333-NDH34	84.3	58.5 +	118.8 +	29.0	0.5 -
AgriMAXX 545	83.9	55.2 -	118.0	26.0 -	2.0
AgriMAXX 525	83.8	57.2	118.3	26.0 -	2.2
KWS585	83.8	57.0	117.5	26.5	4.0 +
SH 7200	83.2	58.4	116.0 -	28.8	1.5
MAS #225	82.7	56.8 -	119.0 +	27.5	3.0
USG 3234	82.0	59.3 +	118.0	28.5	3.2
Dyna-Gro 9231	81.8	57.0	118.0	28.5	2.0
Dyna-Gro 9612	81.1	55.3 -	117.3	26.0 -	2.0
MBX 127	81.1	56.4 -	118.5	26.5	2.7
MAS #190	81.0	56.9	119.8 +	26.0 -	1.8
USG 3352	80.4	57.0	118.3	27.5	3.7 +
Dyna-Gro 9172	80.1	56.0 -	118.8 +	26.3	3.0
USG EXP 3556	80.1	55.0 -	118.5	26.5	5.0 +
USG EXP 3246	79.7 -	59.0 +	117.8	26.0 -	1.0
SH 4222	79.5 -	56.2 -	118.0	28.0	2.0
USG 3755	79.3 -	56.0 -	118.3	26.3	1.7
26R33	79.0 -	57.8	119.8 +	28.0	1.5
MAS #155	78.3 -	55.4 -	118.0	27.8	2.5
MAS #133	76.8 -	54.6 -	118.3	26.8	1.2
AgriMAXX 543	76.7 -	55.3 -	118.3	28.0	1.7
MAS #316	76.4 -	56.3 -	119.3 +	29.8 +	2.0
AGS 4023	75.9 -	59.2 +	118.8 +	28.3	0.7 -
MAS #2	75.7 -	58.3	118.8 +	29.8 +	3.5
26R45	75.6 -	55.3 -	118.8 +	26.5	3.0
MAS #139	75.5 -	56.4 -	118.3	25.8 -	1.8
AgriMAXX 505	74.7 -	57.1	116.0 -	28.0	2.5
26R59	74.7 -	56.0 -	118.0	25.0 -	2.0
AgriMAXX EXP 2430	74.5 -	56.1 -	113.8 -	28.8	2.0
Dyna-Gro 9151	74.3 -	56.6 -	118.0	28.3	3.0
Dyna-Gro 9570	73.9 -	55.9 -	118.0	27.3	4.0 +
MASSEY	72.5 -	57.5	118.8 +	30.5 +	4.2 +
USG 3472	71.9 -	56.0 -	119.0 +	25.8 -	3.2
mean	89.0	57.6	117.7	27.7	2.2
LSD	9.0	0.8	1.0	1.6	1.3
CV	7.3	1.0	0.6	4.3	42.1

Line	Grain Yield, bu/ac	Test Weight, lb/bu	Heading Date, Julian	Height, in	Lodging, 0-9
FS 891	71.5 -	57.7	118.3	27.0	2.2
FS 745	69.6 -	55.8 -	119.8 +	26.3	2.7
FS 743	69.3 -	56.0 -	119.0 +	27.5	2.0
FS 747	68.8 -	55.6 -	118.0	27.8	2.0
MAS #205	67.2 -	57.2	118.3	28.5	4.2 +
MAS #106	61.3 -	57.5	113.0 -	25.3 -	3.5
mean	89.0	57.6	117.7	27.7	2.2
LSD	9.0	0.8	1.0	1.6	1.3
CV	7.3	1.0	0.6	4.3	42.1

A plus or minus sign indicates a performance significantly above or below the test average.

The 0-9 ratings indicate a genotype's response to disease or lodging where 0=highly resistant and 9=highly susceptible.

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2025

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