Results from the 2026 Virginia small grain official variety trials

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The following tables present results from the wheat and barley variety trial conducted in Virginia in 2026. 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.

These are final result tables that will appear in the official Small Grains publication at Virginia Cooperative Extension. Some very small changes may occur if errors are identified that require re-running of the analysis. Official results will be distributed by Mid-July, and will be made available online at https://cropgenetics.spes.vt.edu/small-grains-breeding/variety-data.html. Please contact Nicholas Santantonio by email at nsant@vt.edu if any errors are identified.

Both commercial and experimental wheat lines are shown the following tables. A "Commercial" variety is defined as one for which seed would be available for purchase under the brand name listed in this trial either in the past or for the following planting season. Lines that have never had commercial seed available, nor will have commercial seed available in the fall for the next planting season, are considered "Experimental" lines. Thus, lines that have been released as a variety but are not yet available for purchase for commercial production are still considered experimental. Commercial varieties and experimental lines are randomized in the same trial, and thus share the same summary statistics and are directly comparable.

Soft Red Winter Wheat in 2026

The 2026 growing season was one of the most challenging for growers in recent memory. Very cold temperatures during the winter were largely insulated by snow and ice coverage,

resulting in little to no winter kill. However, late spring freeze in mid-March and early April were devastating in some regions of Virginia, resulting in sterile heads with varying degrees of sterility and freeze damage depending on location, elevation in the field etc. Compounding freeze damage was a lack of significant rainfall in much of the state between mid-March to late May, with some areas receiving almost no rainfall for close to a 2 month period. Yields across the state were lower than typical, although some sites escape freeze damage and received sufficient rainfall to produce a harvestable crop.

Table 1: Virginia state soft winter wheat official variety test at six sites across Virginia in 2026. Sites included Blacksburg, Orange, Painter, Holland, Shenandoah Valley and Warsaw VA. Blackstone experienced heavy frost damage and was not included.

Line	Rank	Grain Yield bu/ac (6)	Test Weight lb/bu (6)	Heading Date Julian (3)	Height in (2)	Lodging 0-9 (1)	Powdery Mildew 0-9 (2)	Leaf Rust 0-9 (1)	FHB 0-9 (1)	Awns A-TA-AL
21VTK7-36	1	94.9+	60.0+	114	31+	1.2	1.2	0.0-	2.0	A
KAS 245	2	94.6+	58.7	115+	29	1.0	0.5	1.0	1.5	A
21VTK4-3	3	94.1+	60.4+	114	31+	1.0	-0.0	0.0-	3.0	A
VA24FHB-4414	4	93.3+	59.3	112-	31+	0.7	0.2	0.0-	1.5	A
AgriMAXX 576	5	93.3+	59.0	115	30	1.0	1.0	3.0+	2.0	A
21VTK13-26	6	92.9+	58.6	115	27-	1.5	1.2	0.0-	2.0	A
21VTK6-18	7	92.6+	58.9	114	29	1.5	-0.0	-0.0-	2.0	A
21VTK6-11	8	92.5+	60.7+	114	29	1.0	0.5	-0.0-	3.5	A
VA20FHB-21	9	92.4+	59.7+	113	30	1.0	1.0	-0.0-	1.5	A
21VTK5-6	10	92.0+	59.0	116+	28-	0.5-	1.5	-0.0-	2.5	A
VA24FHB-282	11	91.9+	59.6+	112-	28	2.0	0.5	0.0-	1.0	A
VA24W-3171	12	91.7+	59.5+	113	29	2.0	-0.0	0.0-	2.0	A
VA22W-201	13	91.5+	60.0+	113	27-	0.5-	-0.0	0.5	4.0+	A
AgriMAXX 575	14	91.5+	57.8-	113	28	0.5-	2.7+	2.5	1.5	A
KWS606	15	91.5+	57.9-	117+	29	0.5-	2.5	1.0	2.0	A
KWS585	16	91.5+	59.1	114	28	0.8	0.5	4.5+	1.0	A
mean		86.2	58.7	114	29	1.4	1.0	1.6	1.9	NA
LSD		4.7	0.7	1	1	0.9	1.5	1.2	1.6	NA
CV		12.1	1.9	1	4	44.5	113.5	38.2	43.0	NA

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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

Line	Rank	Grain Yield	Test Weight	Heading Date	Height	Lodging	Powdery Mildew	Leaf Rust	FHB	Awns
21VTK7-11	17	91.4+	58.7	116+	30	0.7	2.0	0.0-	2.5	A
VA23W-432	18	91.4+	58.1	112	30	2.0	-0.0	0.0-	1.0	A
VA24W-3062	19	91.3+	58.1	114	30	1.7	-0.0	-0.0-	3.0	AL
USG 3447	20	91.1+	59.1	112	30	1.5	1.0	0.0-	1.0	A
Dyna-Gro 9751	21	90.9+	58.7	114	30	1.0	1.0	5.0+	1.0	A
21VTK13-6	22	90.9+	58.5	114	28-	1.5	2.7+	0.0-	1.5	A
21VTK6-21	23	90.6	59.1	113	29	1.5	-0.0	0.0-	2.5	A
DH20SRW02-073	24	90.6	57.7-	115	30	2.8+	-0.0	0.0-	3.0	AL
CP8650	25	90.6	57.7-	114	28	0.5-	2.2	5.0+	1.0	A
AGS 3518	26	90.6	59.1	112-	30	1.0	0.2	1.0	1.5	A
Dyna-Gro 9743	27	90.6	58.3	115+	28	1.0	1.7	4.0+	1.5	A
21VTK6-12	28	90.5	58.9	114	32+	1.8	-0.0	0.0-	1.5	A
21VTK7-43	29	90.4	60.7+	115+	31+	1.0	-0.0	-0.0-	2.0	A
Dyna-Gro 9632	30	90.3	57.6-	114	29	1.8	2.0	3.5+	1.0	A
AgriMAXX 564	31	90.2	59.4+	113	31+	1.3	1.0	-0.0-	1.5	A
21VTK5-56	32	90.2	59.0	117+	28-	0.5-	1.2	0.0-	3.0	A
InSPIRE FS 774	33	90.0	59.9+	112-	31+	1.2	0.5	3.0+	1.0	A
21VTK4-10	34	89.9	58.6	114	32+	1.0	1.2	3.5+	3.0	A
CP8345	35	89.9	58.7	114	29	1.0	0.5	4.5+	1.0	A
VA23W-434	36	89.8	57.2-	112	30	2.2	-0.0	0.0-	2.5	A
AgriMAXX 566	37	89.7	58.9	114	29	0.8	0.5	5.5+	2.0	A
USG 3352	38	89.4	57.9-	114	29	1.5	2.7+	5.5+	1.0	A
mean		86.2	58.7	114	29	1.4	1.0	1.6	1.9	NA
LSD		4.7	0.7	1	1	0.9	1.5	1.2	1.6	NA
CV		12.1	1.9	1	4	44.5	113.5	38.2	43.0	NA

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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

Line	Rank	Grain Yield	Test Weight	Heading Date	Height	Lodging	Powdery Mildew	Leaf Rust	FHB	Awns
Dyna-Gro 9151	39	89.3	59.4+	114	29	1.5	2.2	6.0+	1.0	A
19VDH-FHB-MAS05-27	40	89.2	56.8-	115+	30	0.5-	0.2	0.0-	2.5	AL
21VDH-FHB-MAS07-1	41	89.1	58.2	114	28	1.7	-0.0	0.0-	2.0	AL
VA20FHB-20	42	89.0	60.2+	112-	31+	1.5	-0.0	3.5+	1.0	A
21VTK12-21	43	88.9	58.6	114	28	2.5+	-0.0	0.0-	2.5	AL
VA24FHB-6474	44	88.8	59.0	114	31	1.5	0.5	-0.0-	3.5	AL
VA23W-532	45	88.8	58.3	111-	30	2.8+	0.2	-0.0-	1.5	A
21VTK6-24	46	88.8	59.6+	112-	28	1.7	0.5	-0.0-	3.5	A
VT Pitman	47	88.7	59.5+	112-	28	1.5	-0.0	0.0-	3.5	A
VA23W-330	48	88.4	59.4+	114	29	1.2	0.5	0.0-	2.0	A
21VTK6-2	49	88.3	58.2	113	27-	1.0	-0.0	0.0-	2.5	A
18VTK9-68	50	88.1	60.2+	111-	28	2.5+	-0.0	0.0-	2.0	A
Dyna-Gro 9593	51	87.8	57.5-	114	29	0.8	2.2	4.0+	1.0	A
USG 3875	52	87.7	58.0	114	29	1.0	2.7+	3.0+	1.5	A
VA20W-142	53	87.6	58.8	113	31+	1.5	-0.0	0.0-	1.0	AL
18VTK10-188	54	87.6	59.3+	112-	28	1.7	-0.0	-0.0-	1.5	A
SH9520	55	87.6	58.4	116+	29	1.2	-0.0	4.0+	1.0	A
VA24FHB-5391	56	87.6	57.5-	114	31+	1.5	1.0	2.0	1.0	AL
SCVT19VDH-FHB-MAS03-41	57	87.6	59.3	113	33+	1.2	-0.0	0.5	2.5	A
21VTK13-24	58	87.4	58.3	114	28	1.0	4.0+	0.0-	4.5+	A
USG 3354	59	87.4	57.2-	111-	29	3.3+	-0.0	1.0	1.0	AL
VA19FHB-36	60	87.2	59.3	113	30	1.8	-0.0	-0.0-	1.0	A
mean		86.2	58.7	114	29	1.4	1.0	1.6	1.9	NA
LSD		4.7	0.7	1	1	0.9	1.5	1.2	1.6	NA
CV		12.1	1.9	1	4	44.5	113.5	38.2	43.0	NA

continued . . .

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

Line	Rank	Grain Yield	Test Weight	Heading Date	Height	Lodging	Powdery Mildew	Leaf Rust	FHB	Awns
InSPIRE FS 748	61	87.2	59.2	114	29	0.7	1.0	6.0+	1.0	A
19VTK15-37	62	87.2	58.9	111-	27-	2.5+	-0.0	-0.0-	1.0	AL
SH 7200	63	87.1	59.6+	112-	30	2.5+	1.0	0.5	2.0	A
Dyna-Gro 9231	64	87.1	57.9-	114	30	1.2	1.2	5.5+	1.0	A
VA23HRW-12	65	87.1	58.7	113	30	1.5	3.0+	2.0	1.5	A
AgriMAXX 545	66	87.0	57.2-	114	29	0.3-	1.5	5.5+	2.0	A
HILLIARD	67	87.0	58.9	112-	31	1.8	-0.0	0.5	1.5	A
Dyna-Gro 9422	68	86.9	58.0-	114	30	1.7	2.0	5.5+	1.0	A
InSPIRE FS 766	69	86.8	57.4-	113	29	1.8	4.0+	3.0+	1.0	A
SC22W198	70	86.8	59.2	113	33+	2.5+	0.5	0.0-	1.0	A
21VTK4-31	71	86.7	58.9	115	31+	1.0	-0.0	-0.0-	3.0	A
15VTK-1-101	72	86.6	58.3	114	26-	1.5	-0.0	-0.0-	3.0	A
AgriMAXX EXP 2505	73	86.6	58.2	113	29	1.0	1.0	4.0+	2.0	A
InSPIRE FS 745	74	86.6	58.1	114	28	1.0	1.2	5.5+	1.0	A
19VTK7-66	75	86.5	58.8	115	32+	1.5	-0.0	-0.0-	2.0	A
Dyna-Gro 9570	76	86.5	59.1	114	30	1.8	1.2	6.0+	1.0	A
DH19SRW07-321	77	86.5	58.8	115	29	-0.0-	-0.0	0.0-	1.5	A
VA23W-433	78	86.2	56.0-	113	30	1.8	0.5	-0.0-	5.0+	AL
MAS 190	79	86.1	57.4-	115	28	0.7	1.0	3.0+	1.0	A
SCLA19WF2110	80	86.1	59.7+	111-	29	1.8	0.5	4.5+	1.0	A
SC22W361	81	85.8	60.1+	111-	29	0.8	-0.0	0.0-	1.5	A
Dyna-Gro 9533	82	85.7	56.5-	115+	28-	1.2	-0.0	5.5+	2.5	AL
mean		86.2	58.7	114	29	1.4	1.0	1.6	1.9	NA
LSD		4.7	0.7	1	1	0.9	1.5	1.2	1.6	NA
CV		12.1	1.9	1	4	44.5	113.5	38.2	43.0	NA

continued . . .

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Line	Rank	Grain Yield	Test Weight	Heading Date	Height	Lodging	Powdery Mildew	Leaf Rust	FHB	Awns
AGS 3871	83	85.7	57.2-	117+	29	1.0	1.0	2.0	2.0	A
18VTK10-23	84	85.6	60.3+	111-	29	0.5-	-0.0	0.0-	2.5	A
19VTK7-61	85	85.5	58.4	113	28-	1.7	0.2	0.0-	2.0	A
SH 7222	86	85.3	58.8	114	30	1.2	1.0	0.0-	1.0	A
VA24FHB-321	87	85.3	60.3+	114	28	1.5	-0.0	0.0-	2.0	A
P26R511	88	84.9	58.2	113	28	0.5-	3.7+	5.5+	1.5	AL
Phoenix 96	89	84.9	58.6	115+	30	1.8	1.2	0.0-	2.5	A
Phoenix 29	90	84.8	58.8	114	29	2.5+	1.0	2.0	2.0	A
GA161243-15-5-8-23E47	91	84.7	58.4	115	30	1.7	-0.0	0.0-	3.5	A
VA19HRW-17BS29	92	84.6	57.6-	117+	28	0.5-	1.0	1.5	3.0	A
LATX16D132W-50-3-2	93	84.4	58.7	114	29	2.0	-0.0	1.5	1.5	A
KWS620	94	84.4	59.8+	113	27-	0.8	1.0	1.5	1.0	A
21VTK9-37	95	84.3	58.4	114	29	1.2	0.5	2.0	2.0	AL
AgriMAXX 513	96	84.3	58.3	114	29	1.8	1.2	4.0+	1.5	A
USG 3673	97	84.0	59.0	113	29	2.7+	2.0	-0.0-	1.5	AL
LA19-31	98	83.9	59.4+	111-	27-	1.0	-0.0	-0.0-	1.0	A
USG 3755	99	83.8	57.9-	114	28	1.8	0.5	5.5+	2.5	AL
KWS680	100	83.7	58.0-	112-	28-	2.0	0.5	-0.0-	1.5	AL
SH 5123	101	83.6	58.3	114	29	2.7+	1.7	0.0-	1.5	AL
VT Pane	102	83.5	59.3	116+	31+	1.2	1.0	1.0	4.0+	A
AgriMAXX 516	103	83.4	57.7-	114	29	1.0	1.2	6.0+	1.5	A
LA16076C-6-2-3	104	83.4	58.4	115+	32+	2.2	-0.0	-0.0-	3.5	A
mean		86.2	58.7	114	29	1.4	1.0	1.6	1.9	NA
LSD		4.7	0.7	1	1	0.9	1.5	1.2	1.6	NA
CV		12.1	1.9	1	4	44.5	113.5	38.2	43.0	NA

continued . . .

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Line	Rank	Grain Yield	Test Weight	Heading Date	Height	Lodging	Powdery Mildew	Leaf Rust	FHB	Awns
CP8081	105	83.4	58.5	114	29	1.2	3.7+	3.0+	1.5	A
LA19333-NDH31	106	83.3	59.5+	112-	26-	1.5	-0.0	0.0-	2.5	A
Dyna-Gro 9120	107	83.3	60.2+	114	27-	1.2	2.0	3.5+	1.5	A
Dyna-Gro 9393	108	83.2	58.5	115	28	1.2	2.0	2.0	1.5	A
USG 3472	109	83.2	57.9-	114	29	0.8	1.2	6.0+	2.0	A
Dyna-Gro 9172	110	83.2	57.7-	114	29	0.8	1.2	5.5+	1.0	A
Hilliard-NCCIA	111	83.1	58.5	112-	30	1.5	-0.0	1.0	2.5	A
KWS678	112	83.0	57.5-	116+	30	2.5+	2.7+	0.0-	2.0	AL
SCNC15305-43	113	82.0	59.1	113	30	1.8	1.5	0.5	1.5	A
GA17034ID-22-3-5-23LE29	114	81.9	59.7+	113	29	1.5	-0.0	0.0-	1.0	A
18VTK10-77	115	81.7	59.7+	111-	29	1.5	0.5	0.0-	1.0	A
LA15093SB-30-3-3	116	81.7	57.4-	114	31+	1.2	0.7	0.5	1.5	A
VA23HRW-20	117	81.4-	58.4	114	28	0.8	-0.0	0.5	2.5	A
AGS 3026	118	80.8-	59.2	118+	28	1.0	3.2+	0.0-	4.0+	A
VA23HRW-52	119	80.4-	59.6+	112-	29	2.8+	1.2	2.0	1.0	A
GA161058-13-4-6-23E14	120	80.3-	58.8	115+	30	1.5	1.7	0.0-	4.0+	A
NC18-16900	121	80.2-	58.2	114	31+	2.0	-0.0	-0.0-	2.0	AL
GA16388-8-3-7-23LE6	122	80.1-	59.0	115+	29	1.0	3.2+	0.5	1.5	A
LAVT19VDH-FHB-MAS11-10	123	80.1-	58.5	110-	28	2.0	-0.0	2.0	1.0	A
KAS 240	124	79.9-	57.7-	114	29	1.2	1.5	6.0+	1.5	A
CP8224	125	79.9-	59.0	114	28	1.7	5.2+	-0.0-	1.0	AL
VA24W-5471	126	79.6-	58.6	114	28	0.2-	1.7	1.0	2.5	AL
mean		86.2	58.7	114	29	1.4	1.0	1.6	1.9	NA
LSD		4.7	0.7	1	1	0.9	1.5	1.2	1.6	NA
CV		12.1	1.9	1	4	44.5	113.5	38.2	43.0	NA

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Line	Rank	Grain Yield	Test Weight	Heading Date	Height	Lodging	Powdery Mildew	Leaf Rust	FHB	Awns
VA23HRW-101	127	79.1-	59.5+	111-	28	1.5	1.7	-0.0-	2.5	A
21VTK13-35	128	79.1-	59.4+	113	28-	2.5+	3.7+	0.5	2.5	A
AGS 4043	129	78.7-	59.3	114	27-	1.2	-0.0	-0.0-	2.5	A
AGS 4714	130	76.9-	60.0+	112-	30	2.7+	-0.0	0.0-	1.5	A
AgriMAXX 543	131	74.4-	58.0-	113	28	1.3	2.5	1.5	1.0	AL
VA23HRW-31	132	73.9-	58.9	112-	30	1.5	2.2	0.0-	2.0	A
MASSEY	133	70.4-	58.3	113	34+	3.5+	1.0	7.5+	2.0	AL
mean		86.2	58.7	114	29	1.4	1.0	1.6	1.9	NA
LSD		4.7	0.7	1	1	0.9	1.5	1.2	1.6	NA
CV		12.1	1.9	1	4	44.5	113.5	38.2	43.0	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 2: Virginia state soft winter wheat official variety test in Blacksburg, VA in 2026.

Line	Rank	Grain Yield bu/ac	Test Weight lb/bu	Heading Date Julian	Height in
KAS 245	1	119.8+	59.9		31
Dyna-Gro 9743	2	116.6+	59.7	121+	31
AgriMAXX 576	3	116.2+	60.3	119	33
VA24W-3062	4	114.1+	60.1	118	34+
KWS606	5	113.9+	59.6	124+	30
USG 3755	6	113.5+	59.1	118	30
AgriMAXX 545	7	112.7+	58.6	118	32
19VDH-FHB-MAS05-27	8	111.3+	58.4-	121+	32
Dyna-Gro 9751	9	110.3+	59.0	118	32
CP8650	10	110.3+	58.8	118	29
AgriMAXX 575	11	110.1+	58.0-	118	29
AgriMAXX 566	12	110.0+	59.7	118	31
21VTK7-43	13	109.0+	61.2+	119	33
21VTK7-11	14	108.4+	60.0	120	33
VA24FHB-6474	15	108.3+	59.5	118	32
21VTK5-6	16	107.9+	60.2	120	28-
VA24FHB-282	17	107.8+	59.8	117	31
21VTK13-26	18	107.8+	59.2	120	30
DH20SRW02-073	19	107.7+	58.8	118	31
USG 3352	20	107.7+	58.6	118	31
AgriMAXX 564	21	107.6+	60.2	118	34+
USG 3875	22	107.2+	58.8	118	29
SH9520	23	107.1+	58.8	122+	30
21VTK6-11	24	107.1+	61.1+	118	30
AgriMAXX 516	25	106.9+	58.4-	118	31
AgriMAXX 513	26	106.8+	59.2	118	31
Dyna-Gro 9422	27	106.7	59.5	118	30
InSPIRE FS 774	28	106.5	59.9	118	34+
VA23W-330	29	106.4	60.6+	118	32
21VTK5-56	30	106.3	60.4+	122+	29
VA20FHB-21	31	106.3	60.1	118	33
mean		99.0	59.4	118	31
LSD		7.9	0.9	2	3
CV		7.7	1.1	1	4

continued . . .

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

Line	Rank	Grain Yield	Test Weight	Heading Date	Height
Dyna-Gro 9593	32	106.2	58.9	118	29
USG 3673	33	106.1	60.2	118	31
DH19SRW07-321	34	105.3	60.6+	119	30
KAS 240	35	105.2	58.2-		31
Dyna-Gro 9231	36	105.1	59.2	118	32
USG 3447	37	105.0	59.9	119	31
MAS 190	38	104.7	58.2-	120	29
InSPIRE FS 766	39	104.5	57.9-	118	31
21VTK4-3	40	104.5	61.5+	118	32
KWS678	41	104.0	58.9	121+	32
Dyna-Gro 9151	42	103.6	60.4+	118	30
AGS 3518	43	103.6	59.8	118	33
KWS585	44	103.4	59.5	118	30
21VTK6-21	45	103.4	60.6+	116-	32
VA24FHB-4414	46	102.9	59.3	117	33
Dyna-Gro 9172	47	102.9	58.4-	119	31
VA20FHB-20	48	102.8	60.7+	118	34+
Dyna-Gro 9632	49	102.8	58.2-	118	30
VA24W-3171	50	102.8	60.0	118	31
USG 3472	51	102.7	58.6	118	32
Dyna-Gro 9393	52	102.6	58.5	119	30
Dyna-Gro 9533	53	102.6	57.4-	119	29
VA24FHB-5391	54	102.6	58.6	119	34+
InSPIRE FS 748	55	102.5	60.4+	118	31
21VTK6-2	56	102.4	59.3	118	29
InSPIRE FS 745	57	102.3	58.7	118	30
CP8345	58	102.2	59.1	119	31
SH 7222	59	102.1	59.3	118	32
21VTK13-6	60	102.0	59.7	119	29
19VTK15-37	61	102.0	59.7	116-	29
21VTK6-12	62	101.9	59.5	118	36+
VA22W-201	63	101.7	60.5+	118	29
SH 5123	64	101.6	59.9	118	32
VA19FHB-36	65	101.6	60.2	118	32
mean		99.0	59.4	118	31
LSD		7.9	0.9	2	3
CV		7.7	1.1	1	4

continued . . .

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

Line	Rank	Grain Yield	Test Weight	Heading Date	Height
Dyna-Gro 9570	66	101.5	60.5+	118	32
AgriMAXX EXP 2505	67	101.5	59.4	118	31
21VTK6-18	68	101.5	59.6	119	32
VA23W-433	69	101.1	57.3-	118	33
21VTK13-24	70	100.9	58.9	119	30
Phoenix 29	71	100.8	60.1	119	31
HILLIARD	72	100.5	58.9	118	33
Dyna-Gro 9120	73	99.9	60.5+	118	30
KWS620	74	99.8	60.3	118	28-
21VTK4-10	75	99.8	59.5	120	33
21VTK12-21	76	99.7	58.8	119	30
21VTK9-37	77	99.4	59.7	118	31
VA23HRW-12	78	99.4	58.9	118	32
18VTK10-188	79	99.2	59.5	118	30
21VTK7-36	80	99.0	60.5+	118	33
21VTK4-31	81	99.0	59.7	119	34+
19VTK7-66	82	99.0	59.2	118	36+
KWS680	83	98.9	58.6	116-	29
CP8224	84	98.9	60.4+	118	29
VA24FHB-321	85	98.2	61.2+	119	29
USG 3354	86	97.6	58.6	117	30
VT Pane	87	97.5	61.4+	124+	34+
Hilliard-NCCIA	88	97.1	58.6	117	32
VA23W-432	89	96.8	59.4	118	30
LA19333-NDH31	90	96.2	60.6+	117	27-
15VTK-1-101	91	96.0	59.2	119	28-
VA20W-142	92	95.9	58.7	118	33
21VTK13-35	93	95.8	59.9	118	31
VT Pitman	94	95.5	60.6+	118	29
VA23W-434	95	95.0	58.3-	116-	31
21VDH-FHB-MAS07-1	96	94.9	58.6	118	30
CP8081	97	94.0	59.0	118	31
VA23W-532	98	93.7	58.6	117	32
21VTK6-24	99	93.4	60.2	118	30
mean		99.0	59.4	118	31
LSD		7.9	0.9	2	3
CV		7.7	1.1	1	4

continued . . .

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

Line	Rank	Grain Yield	Test Weight	Heading Date	Height
LA16076C-6-2-3	100	93.3	58.4-	122+	35+
18VTK9-68	101	93.1	59.8	117	29
AGS 3871	102	92.9	57.4-	122+	29
Phoenix 96	103	91.2	59.7	121+	31
19VTK7-61	104	90.9-	58.0-	118	28-
GA161243-15-5-8-23E47	105	90.5-	59.2	119	32
AGS 3026	106	90.4-	59.5	124+	30
GA161058-13-4-6-23E14	107	90.2-	60.1	119	33
SC22W361	108	89.9-	61.2+	116-	30
VA19HRW-17BS29	109	89.7-	59.7	121+	30
SCLA19WF2110	110	89.6-	60.5+	116-	30
AGS 4043	111	89.6-	60.3+	118	28-
SCVT19VDH-FHB-MAS03-41	112	88.9-	58.7	118	34+
LA15093SB-30-3-3	113	88.7-	57.9-	118	31
18VTK10-23	114	88.6-	60.8+	116-	31
SH 7200	115	87.6-	59.4	117	31
SCNC15305-43	116	87.4-	59.4	118	34+
VA23HRW-20	117	87.2-	59.2	118	29
NC18-16900	118	86.2-	59.6	118	35+
VA24W-5471	119	85.3-	59.8	118	31
LATX16D132W-50-3-2	120	84.0-	59.4	118	32
GA17034ID-22-3-5-23LE29	121	84.0-	59.6	118	29
SC22W198	122	83.9-	58.1-	118	35+
18VTK10-77	123	83.8-	59.9	116-	32
AgriMAXX 543	124	82.8-	57.9-	118	29
VA23HRW-52	125	80.1-	60.7+	117	30
VA23HRW-101	126	79.4-	59.8	116-	29
AGS 4714	127	78.5-	61.0+	117	33
VA23HRW-31	128	75.7-	60.1	118	31
GA16388-8-3-7-23LE6	129	73.6-	57.4-	120	31
LAVT19VDH-FHB-MAS11-10	130	72.4-	58.3-	114-	26-
MASSEY	131	69.0-	57.9-	117	36+
mean		99.0	59.4	118	31
LSD		7.9	0.9	2	3
CV		7.7	1.1	1	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 3: Virginia state soft winter wheat official variety test in Blackstone, VA in 2026. Blackstone experienced severe freeze damage, and was NOT included in the state average. Lines missing yield data were below the threshold for reporting. Lines without test weight did not have sufficient grain to get an accurate test weight measurement.

Line	Rank	Grain Yield bu/ac	Test Weight lb/bu
21VTK7-36	1	62.4+	57.0
AGS 3518	2	58.7+	56.0
21VTK4-10	3	58.5+	56.2
SC22W198	4	57.5+	58.3+
Dyna-Gro 9751	5	56.2+	55.3
AgriMAXX 564	6	55.7+	55.3
VA20FHB-20	7	55.4+	55.7
21VTK13-26	8	55.2+	54.4
VA24W-3171	9	55.2+	54.6
InSPIRE FS 774	10	54.8	55.2
18VTK10-23	11	54.5	55.6
21VTK6-21	12	53.8	56.8
SCVT19VDH-FHB-MAS03-41	13	53.6	57.3
SCLA19WF2110	14	53.5	56.6
21VTK6-24	15	53.1	
21VTK6-11	16	53.0	55.5
21VTK13-6	17	53.0	55.6
LA15093SB-30-3-3	18	52.8	55.1
21VTK6-18	19	52.8	55.1
21VTK7-43	20	52.8	56.9
USG 3447	21	52.5	55.1
VA23HRW-20	22	52.3	54.9
18VTK10-188	23	52.0	56.3
21VTK6-12	24	51.2	55.8
MAS 190	25	51.2	54.1
21VTK4-31	26	50.8	
VA24FHB-282	27	50.8	55.6
KWS585	28	50.4	54.9
mean		47.0	55.6
LSD		8.2	1.8
CV		14.1	1.5

continued . . .

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

Line	Rank	Grain Yield	Test Weight
Dyna-Gro 9120	29	50.4	54.9
VA20FHB-21	30	49.7	54.0
AgriMAXX 516	31	49.3	54.2
AGS 4714	32	49.3	58.6+
VA23W-532	33	49.2	53.8-
VA19FHB-36	34	49.0	54.5
CP8345	35	49.0	56.8
21VTK6-2	36	48.9	56.5
VT Pitman	37	48.7	
SCNC15305-43	38	48.5	
AgriMAXX 566	39	48.5	
SC22W361	40	48.4	55.7
Dyna-Gro 9570	41	48.3	55.9
GA161058-13-4-6-23E14	42	48.2	
USG 3875	43	48.1	
21VTK7-11	44	48.1	54.5
VA24FHB-4414	45	47.9	55.2
Dyna-Gro 9151	46	47.8	57.1
VA23HRW-31	47	47.8	
GA161243-15-5-8-23E47	48	47.7	
Dyna-Gro 9393	49	47.7	
LA16076C-6-2-3	50	47.6	
18VTK9-68	51	47.5	
VA23W-434	52	47.4	
AgriMAXX 513	53	47.3	
CP8081	54	47.3	55.1
VT Pane	55	47.2	55.9
19VTK7-61	56	47.1	
VA24FHB-321	57	47.1	
Dyna-Gro 9593	58	47.1	55.5
VA19HRW-17BS29	59	47.1	54.5
19VTK7-66	60	47.0	
KWS620	61	46.9	55.6
Hilliard-NCCIA	62	46.8	
mean		47.0	55.6
LSD		8.2	1.8
CV		14.1	1.5

continued . . .

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

Line	Rank	Grain Yield	Test Weight
Dyna-Gro 9422	63	46.4	53.6-
SH 7200	64	46.3	
21VTK13-24	65	46.1	
15VTK-1-101	66	46.0	
HILLIARD	67	46.0	
21VTK4-3	68	46.0	56.9
KAS 245	69	45.9	55.8
21VTK5-6	70	45.8	
GA16388-8-3-7-23LE6	71	45.7	
InSPIRE FS 745	72	44.6	
VA23W-432	73	44.6	
Phoenix 29	74	44.5	55.0
DH19SRW07-321	75	44.4	
Phoenix 96	76	44.4	
VA23W-330	77	44.0	
21VTK13-35	78	43.9	
LAVT19VDH-FHB-MAS11-10	79	43.7	
21VTK5-56	80	43.6	56.0
Dyna-Gro 9231	81	43.6	
GA17034ID-22-3-5-23LE29	82	43.2	
VA23HRW-52	83	43.0	
AGS 3026	84	42.9	
USG 3472	85	42.6	55.4
VA23HRW-101	86	42.6	
LA19333-NDH31	87	42.4	
AgriMAXX 576	88	42.2	55.6
KWS606	89	41.9	
SH 7222	90	41.6	
AGS 4043	91	41.5	
MASSEY	92	41.5	
Dyna-Gro 9172	93	41.5	
Dyna-Gro 9743	94	41.4	
LA19-31	95	41.3	
USG 3352	96	40.9	
mean		47.0	55.6
LSD		8.2	1.8
CV		14.1	1.5

continued . . .

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

Line	Rank	Grain Yield	Test Weight
KAS 240	97	40.6	
18VTK10-77	98	40.6	
CP8650	99	40.1	
InSPIRE FS 748	100	39.4	
LATX16D132W-50-3-2	101	39.4	
VA23HRW-12	102	39.2	
Dyna-Gro 9632	103	38.8	
AgriMAXX 575	104	38.4-	
SH9520	105	38.3-	
InSPIRE FS 766	106	36.8-	
VA22W-201	107	36.2-	
AgriMAXX EXP 2505	108	35.7-	
AGS 3871	109	35.6-	
AgriMAXX 545	110	33.5-	
VA20W-142	111		
DH20SRW02-073	112		
19VDH-FHB-MAS05-27	113		
19VTK15-37	114		
VA23W-433	115		
21VDH-FHB-MAS07-1	116		
21VTK9-37	117		
21VTK12-21	118		
VA24W-5471	119		
VA24W-3062	120		
VA24FHB-5391	121		
VA24FHB-6474	122		
CP8224	123		
Dyna-Gro 9533	124		
AgriMAXX 543	125		
USG 3354	126		
USG 3755	127		
USG 3673	128		
KWS678	129		
KWS680	130		
mean		47.0	55.6
LSD		8.2	1.8
CV		14.1	1.5

continued . . .

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

Line	Rank	Grain Yield	Test Weight
P26R511	131		
NC18-16900	132		
SH 5123	133		
mean		47.0	55.6
LSD		8.2	1.8
CV		14.1	1.5

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: Virginia state soft winter wheat official variety test in Holland, VA in 2026. Holland experienced some deer damage to awnless varieties, but was kept in the state average. No estimate was produced for lines with significant deer damage.

Line	Rank	Grain Yield bu/ac	Test Weight lb/bu
KAS 245	1	122.0+	59.0
21VTK5-6	2	121.1+	61.0+
AgriMAXX 576	3	117.4+	59.5
Dyna-Gro 9751	4	117.1+	59.5
USG 3447	5	116.3+	60.1
VA23W-432	6	116.3+	58.1-
21VTK7-36	7	116.2+	59.9
21VTK6-18	8	115.4+	60.2
21VTK4-10	9	114.6+	60.4
21VTK13-24	10	114.5+	58.7
AgriMAXX 575	11	114.3+	58.3-
21VTK6-21	12	114.0+	58.9
21VTK13-6	13	113.6+	59.0
InSPIRE FS 745	14	113.2+	58.2-
21VTK6-11	15	113.1+	61.7+
CP8650	16	113.0+	58.0-
KWS585	17	112.2+	59.4
Dyna-Gro 9151	18	111.3	59.9
21VTK13-26	19	111.3	59.9
KWS606	20	111.1	58.6
VT Pitman	21	110.9	60.1
21VTK6-2	22	110.8	59.0
GA161243-15-5-8-23E47	23	110.5	59.3
21VTK6-12	24	110.4	59.5
InSPIRE FS 774	25	110.3	59.8
AgriMAXX 516	26	110.3	58.6
VA24FHB-282	27	110.1	59.9
Dyna-Gro 9172	28	110.1	57.5-
21VTK7-11	29	109.9	58.8
mean		102.1	59.4
LSD		10.0	1.0
CV		9.2	1.2

continued . . .

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

Line	Rank	Grain Yield	Test Weight
Dyna-Gro 9632	30	109.8	58.6
AGS 3518	31	109.7	59.3
MAS 190	32	109.7	58.9
Dyna-Gro 9743	33	109.4	58.8
USG 3352	34	109.3	59.0
SC22W198	35	108.7	59.8
SH9520	36	108.3	59.6
USG 3875	37	107.7	58.4-
Dyna-Gro 9120	38	107.7	60.5+
21VTK6-24	39	107.4	60.3
AgriMAXX 566	40	107.3	59.4
15VTK-1-101	41	107.2	58.6
SCLA19WF2110	42	107.2	59.9
18VTK10-23	43	107.0	59.8
VA24FHB-4414	44	106.9	59.7
SCVT19VDH-FHB-MAS03-41	45	106.6	60.2
InSPIRE FS 766	46	106.4	58.4-
Dyna-Gro 9422	47	106.3	58.7
LA16076C-6-2-3	48	106.1	59.7
21VTK5-56	49	106.0	60.1
SH 7222	50	105.7	59.7
USG 3472	51	105.7	58.0-
AGS 3871	52	105.4	58.9
VA19FHB-36	53	105.1	59.8
Dyna-Gro 9231	54	105.0	58.6
DH19SRW07-321	55	104.6	59.0
19VTK7-66	56	104.4	60.0
KAS 240	57	104.4	58.8
21VTK4-31	58	104.3	60.0
VA19HRW-17BS29	59	104.2	56.8-
Dyna-Gro 9570	60	104.1	60.0
Dyna-Gro 9393	61	103.9	59.1
VA24W-3171	62	103.9	59.1
21VTK4-3	63	103.4	61.0+
mean		102.1	59.4
LSD		10.0	1.0
CV		9.2	1.2

continued . . .

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

Line	Rank	Grain Yield	Test Weight
AGS 3026	64	103.3	59.9
AgriMAXX 564	65	103.2	59.5
Dyna-Gro 9593	66	103.0	57.9-
CP8345	67	103.0	60.2
VA23W-330	68	102.9	59.9
VA23W-532	69	102.7	58.9
VA20FHB-20	70	102.5	60.3
VA22W-201	71	102.4	60.4+
18VTK10-188	72	102.4	59.3
KWS620	73	102.3	59.4
HILLIARD	74	101.7	58.9
LATX16D132W-50-3-2	75	101.5	59.2
Phoenix 96	76	101.5	59.1
AgriMAXX 513	77	101.2	58.8
21VTK7-43	78	101.1	61.1+
Hilliard-NCCIA	79	101.1	59.4
SH 7200	80	100.7	59.7
AgriMAXX EXP 2505	81	100.3	58.3-
Phoenix 29	82	100.3	59.8
21VTK13-35	83	100.1	60.0
19VTK7-61	84	100.1	59.4
LA15093SB-30-3-3	85	99.8	58.0-
InSPIRE FS 748	86	99.7	59.8
VA23HRW-12	87	99.2	59.3
GA161058-13-4-6-23E14	88	98.8	59.2
AgriMAXX 545	89	98.5	57.8-
LA19333-NDH31	90	98.2	60.3
18VTK9-68	91	98.1	60.0
VA20FHB-21	92	98.1	59.6
CP8081	93	97.4	58.2-
SCNC15305-43	94	96.9	59.6
GA16388-8-3-7-23LE6	95	96.8	60.3
SC22W361	96	96.4	59.6
VT Pane	97	95.8	59.7
mean		102.1	59.4
LSD		10.0	1.0
CV		9.2	1.2

continued . . .

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

Line	Rank	Grain Yield	Test Weight
VA24FHB-321	98	95.3	59.9
18VTK10-77	99	94.4	60.4+
VA23W-434	100	94.4	57.9-
LA19-31	101	94.3	60.2
AGS 4714	102	93.6	60.9+
AGS 4043	103	93.6	59.6
LAVT19VDH-FHB-MAS11-10	104	93.2	59.0
VA23HRW-101	105	93.0	59.7
VA23HRW-20	106	91.5-	59.2
GA17034ID-22-3-5-23LE29	107	91.2-	59.7
VA23HRW-31	108	90.7-	59.5
VA23HRW-52	109	90.5-	60.0
MASSEY	110	71.4-	58.6
VA20W-142	111	68.8-	59.7
21VTK12-21	112	62.2-	57.6-
NC18-16900	113	55.7-	59.4
SH 5123	114	52.9-	60.1
USG 3673	115	52.5-	60.1
VA23W-433	116	50.1-	
DH20SRW02-073	117		
19VDH-FHB-MAS05-27	118		
19VTK15-37	119		
21VDH-FHB-MAS07-1	120		
21VTK9-37	121		
VA24W-5471	122		
VA24W-3062	123		
VA24FHB-5391	124		
VA24FHB-6474	125		
CP8224	126		
Dyna-Gro 9533	127		
AgriMAXX 543	128		
USG 3354	129		
USG 3755	130		
KWS678	131		
mean		102.1	59.4
LSD		10.0	1.0
CV		9.2	1.2

continued . . .

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

Line	Rank	Grain Yield	Test Weight
KWS680	132		
P26R511	133		
mean		102.1	59.4
LSD		10.0	1.0
CV		9.2	1.2

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 5: Virginia state soft winter wheat official variety test in Orange, VA in 2026.

Line	Rank	Grain Yield bu/ac	Test Weight lb/bu
Dyna-Gro 9570	1	85.0+	56.2
18VTK9-68	2	84.2+	58.0+
18VTK10-188	3	84.1+	57.0
KAS 245	4	82.2+	55.8
19VDH-FHB-MAS05-27	5	81.8+	53.9-
21VTK7-36	6	81.6+	56.9
AgriMAXX 575	7	81.0+	55.8
21VTK7-11	8	81.0+	55.8
VA20FHB-21	9	80.0	56.9
21VTK6-11	10	79.6	57.6+
AgriMAXX 564	11	79.3	56.8
SCVT19VDH-FHB-MAS03-41	12	79.2	57.0
VA23W-434	13	79.1	54.1-
VA24FHB-282	14	79.0	57.1+
VA24FHB-4414	15	78.9	56.9
21VTK4-3	16	78.7	57.7+
SC22W198	17	78.7	57.1+
Hilliard-NCCIA	18	78.4	56.7
Dyna-Gro 9593	19	78.1	53.6-
21VTK6-12	20	77.8	56.3
AGS 3518	21	77.5	56.8
21VTK6-21	22	77.5	56.6
KWS585	23	77.5	56.6
Dyna-Gro 9151	24	77.4	57.0
VA24FHB-321	25	77.0	57.7+
VA24W-3171	26	76.9	56.9
VA23W-532	27	76.8	55.4
KWS606	28	76.8	55.5
VA23W-432	29	76.6	55.6
CP8345	30	76.5	56.9
21VTK13-6	31	76.4	55.6
mean		70.3	56.0
LSD		10.0	1.1
CV		13.9	1.3

continued . . .

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

Line	Rank	Grain Yield	Test Weight
InSPIRE FS 745	32	76.2	54.8-
InSPIRE FS 766	33	76.1	54.4-
USG 3447	34	75.6	56.4
Dyna-Gro 9743	35	75.5	54.8-
Dyna-Gro 9632	36	75.4	54.0-
18VTK10-23	37	75.3	57.4+
21VTK13-26	38	75.3	55.4
Dyna-Gro 9751	39	75.2	55.5
AgriMAXX 576	40	75.2	55.3
VA19FHB-36	41	75.0	56.2
21VTK13-24	42	75.0	55.1
SCLA19WF2110	43	74.9	56.9
USG 3352	44	74.7	54.7-
SH 7200	45	74.6	56.9
VA20W-142	46	74.3	56.9
AgriMAXX 545	47	74.3	54.3-
Phoenix 29	48	74.1	55.2
VA20FHB-20	49	74.1	57.3+
VA19HRW-17BS29	50	74.0	55.7
GA161243-15-5-8-23E47	51	74.0	55.4
InSPIRE FS 774	52	73.7	57.0
21VTK6-18	53	73.7	56.6
21VTK5-6	54	73.6	56.1
InSPIRE FS 748	55	73.4	56.5
SH9520	56	72.6	55.1
AGS 3026	57	72.5	58.1+
LA19-31	58	72.0	56.8
USG 3875	59	72.0	53.4-
19VTK7-66	60	72.0	56.5
21VTK7-43	61	71.9	57.7+
KWS620	62	71.7	57.1
VT Pitman	63	71.7	56.0
USG 3472	64	71.5	55.4
VA22W-201	65	71.5	56.7
mean		70.3	56.0
LSD		10.0	1.1
CV		13.9	1.3

continued . . .

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

Line	Rank	Grain Yield	Test Weight
SC22W361	66	71.5	57.5+
LATX16D132W-50-3-2	67	71.4	55.9
21VTK4-10	68	71.3	56.4
CP8650	69	71.2	55.0
Phoenix 96	70	71.0	55.9
AgriMAXX EXP 2505	71	70.9	55.3
Dyna-Gro 9533	72	70.7	54.0-
GA16388-8-3-7-23LE6	73	70.7	56.6
21VTK5-56	74	70.3	56.7
19VTK7-61	75	70.3	55.7
VA23HRW-12	76	70.2	55.7
Dyna-Gro 9422	77	70.1	54.3-
21VTK4-31	78	69.6	56.7
Dyna-Gro 9231	79	69.4	55.7
MASSEY	80	69.4	56.6
AgriMAXX 566	81	69.3	55.2
LA19333-NDH31	82	69.3	57.1+
AGS 3871	83	69.2	54.6-
VA23W-330	84	69.2	55.9
Dyna-Gro 9172	85	69.1	54.8-
21VTK6-24	86	69.0	56.6
CP8081	87	68.9	56.1
VT Pane	88	68.8	57.0
HILLIARD	89	68.8	56.0
18VTK10-77	90	68.6	56.7
DH19SRW07-321	91	68.5	56.2
VA23HRW-20	92	68.5	56.1
LA16076C-6-2-3	93	68.5	55.5
21VTK9-37	94	68.4	56.2
SH 7222	95	68.1	56.1
15VTK-1-101	96	67.9	56.3
GA17034ID-22-3-5-23LE29	97	67.3	56.7
USG 3354	98	67.1	54.3-
MAS 190	99	67.1	56.3
mean		70.3	56.0
LSD		10.0	1.1
CV		13.9	1.3

continued . . .

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

Line	Rank	Grain Yield	Test Weight
VA23HRW-31	100	66.8	55.4
DH20SRW02-073	101	66.2	55.2
USG 3673	102	66.2	56.4
LAVT19VDH-FHB-MAS11-10	103	66.0	55.9
Dyna-Gro 9120	104	65.9	56.7
AgriMAXX 516	105	65.0	54.6-
KAS 240	106	64.6	54.7-
AGS 4043	107	64.3	56.8
AgriMAXX 513	108	64.2	55.5
VA23HRW-52	109	64.0	56.3
21VTK13-35	110	64.0	56.5
VA23W-433	111	63.9	54.2-
GA161058-13-4-6-23E14	112	63.9	56.3
VA24W-3062	113	63.8	55.8
VA24FHB-6474	114	63.7	56.7
21VTK6-2	115	63.5	55.1
LA15093SB-30-3-3	116	63.4	54.1-
NC18-16900	117	63.3	56.1
SH 5123	118	62.9	56.0
SCNC15305-43	119	62.8	56.5
Dyna-Gro 9393	120	62.1	55.4
19VTK15-37	121	60.6	55.8
VA23HRW-101	122	59.3-	57.0
KWS678	123	58.4-	54.2-
21VTK12-21	124	58.2-	55.5
AGS 4714	125	57.3-	57.4+
CP8224	126	56.9-	56.1
21VDH-FHB-MAS07-1	127	55.1-	55.5
AgriMAXX 543	128	48.4-	55.3
VA24W-5471	129	48.2-	
KWS680	130	45.9-	54.8-
USG 3755	131	42.8-	55.0
VA24FHB-5391	132		

P26R511	133	
mean	70.3	56.0
LSD	10.0	1.1
CV	13.9	1.3

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 6: Virginia state soft winter wheat official variety test in Painter, VA in 2026.

Line	Rank	Grain Yield bu/ac	Test Weight lb/bu	Powdery Mildew 0-9	Leaf Rust 0-9
21VTK4-3	1	90.6+	60.9+	-0.0	0.0-
18VTK9-68	2	84.1+	61.2+	0.0	0.0-
21VTK12-21	3	81.7+	59.5	-0.0	0.0-
21VTK7-36	4	81.6+	59.8+	2.0	0.0-
VA23W-432	5	81.5+	57.9	-0.0	0.0-
21VTK5-56	6	81.4+	59.1	-0.0	-0.0-
21VTK5-6	7	81.3+	58.2	-0.0	-0.0-
VA22W-201	8	81.1+	59.9+	0.0	0.5
21VTK6-12	9	80.5+	57.9	0.0	0.0-
VA24FHB-282	10	80.1	59.4	-0.0	-0.0-
USG 3673	11	80.1	58.9	2.0	-0.0-
VA23W-532	12	80.1	58.8	0.0	0.0-
21VTK6-18	13	79.9	58.8	-0.0	0.0-
SH 7200	14	79.7	60.2+	-0.0	0.5
21VTK13-26	15	79.6	58.5	-0.0	0.0-
19VTK7-61	16	79.5	58.9	0.0	0.0-
21VTK4-31	17	79.4	59.4	0.0	0.0-
VA24FHB-4414	18	79.1	60.0+	0.0	-0.0-
VA20FHB-21	19	79.0	59.8+	0.0	0.0-
VA24W-3171	20	78.7	59.7+	-0.0	0.0-
21VTK4-10	21	78.4	58.1	-0.0	3.5+
USG 3447	22	78.4	60.1+	2.0	0.0-
VA20W-142	23	78.4	58.6	0.0	-0.0-
21VTK6-21	24	78.4	59.0	-0.0	0.0-
InSPIRE FS 774	25	78.1	60.0+	-0.0	3.0+
VT Pitman	26	77.3	58.9	0.0	0.0-
21VDH-FHB-MAS07-1	27	77.2	58.5	0.0	0.0-
21VTK6-2	28	76.8	58.7	-0.0	-0.0-
DH19SRW07-321	29	76.6	58.6	-0.0	-0.0-
AgriMAXX 564	30	76.6	59.6	-0.0	-0.0-
19VTK7-66	31	76.6	58.9	-0.0	0.0-
mean		70.5	58.5	0.5	1.6
LSD		10.0	1.1	2.2	1.2
CV		15.9	1.3	213.2	38.2

continued . . .

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

Line	Rank	Grain Yield	Test Weight	Powdery Mildew	Leaf Rust
HILLIARD	32	76.5	58.9	-0.0	0.5
VA19HRW-17BS29	33	76.2	56.0-	0.0	1.5
VA24FHB-321	34	76.2	60.4+	0.0	0.0-
21VTK6-24	35	76.2	59.4	0.0	0.0-
GA161243-15-5-8-23E47	36	76.1	57.8	-0.0	-0.0-
KAS 245	37	75.6	58.4	-0.0	1.0
KWS620	38	75.5	59.9+	-0.0	1.5
21VTK7-11	39	75.1	59.0	1.5	0.0-
VA23HRW-20	40	75.1	58.1	0.0	0.5
DH20SRW02-073	41	74.7	57.7	-0.0	-0.0-
SH 5123	42	74.7	58.6	0.0	-0.0-
LA19-31	43	74.2	59.3	0.0	0.0-
15VTK-1-101	44	74.1	58.4	-0.0	0.0-
VA24FHB-6474	45	74.1	59.0	-0.0	0.0-
AgriMAXX 576	46	74.0	57.9	0.0	3.0+
AgriMAXX 575	47	73.9	57.9	4.0+	2.5
Phoenix 96	48	73.7	57.7	1.5	-0.0-
SC22W198	49	73.6	60.7+	-0.0	0.0-
VA24FHB-5391	50	73.5	57.0-	-0.0	2.0
VA24W-3062	51	73.5	57.4	0.0	0.0-
VT Pane	52	73.5	59.0	-0.0	1.0
SCLA19WF2110	53	73.5	59.9+	-0.0	4.5+
VA23W-330	54	73.3	58.6	0.0	0.0-
LAVT19VDH-FHB-MAS11-10	55	72.9	59.5	-0.0	2.0
21VTK6-11	56	72.8	59.8+	0.0	-0.0-
VA23HRW-12	57	72.6	58.2	2.0	2.0
21VTK13-24	58	72.5	58.5	5.0+	-0.0-
19VTK15-37	59	72.5	59.2	-0.0	0.0-
18VTK10-23	60	72.5	61.1+	-0.0	0.0-
GA161058-13-4-6-23E14	61	72.4	59.0	0.0	0.0-
Phoenix 29	62	72.2	57.8	-0.0	2.0
SCVT19VDH-FHB-MAS03-41	63	71.8	58.6	-0.0	0.5
19VDH-FHB-MAS05-27	64	71.8	56.6-	0.0	0.0-
VA20FHB-20	65	71.7	60.6+	0.0	3.5+
mean		70.5	58.5	0.5	1.6
LSD		10.0	1.1	2.2	1.2
CV		15.9	1.3	213.2	38.2

continued . . .

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

Line	Rank	Grain Yield	Test Weight	Powdery Mildew	Leaf Rust
AGS 3518	66	71.6	58.5	0.0	1.0
CP8345	67	71.6	58.8	-0.0	4.5+
VA19FHB-36	68	71.5	58.9	0.0	-0.0-
VA23W-433	69	71.3	55.4-	0.0	-0.0-
VA23W-434	70	71.3	57.6	-0.0	0.0-
21VTK7-43	71	71.2	60.8+	0.0	-0.0-
18VTK10-188	72	71.1	60.2+	0.0	0.0-
KWS606	73	71.1	57.7	2.0	1.0
SC22W361	74	71.1	61.0+	-0.0	0.0-
CP8081	75	71.0	58.4	2.0	3.0+
USG 3354	76	71.0	57.8	0.0	1.0
21VTK13-6	77	71.0	58.9	2.5	-0.0-
LA19333-NDH31	78	70.9	59.5	0.0	0.0-
VA23HRW-101	79	70.9	59.7	-0.0	0.0-
KWS585	80	69.8	59.0	-0.0	4.5+
AGS 3871	81	69.7	57.3-	0.0	2.0
KWS678	82	69.4	55.7-	2.0	-0.0-
GA17034ID-22-3-5-23LE29	83	69.4	60.0+	0.0	0.0-
Dyna-Gro 9632	84	69.4	57.0-	-0.0	3.5+
21VTK9-37	85	69.2	59.5	0.0	2.0
LA15093SB-30-3-3	86	69.0	58.1	-0.0	0.5
LATX16D132W-50-3-2	87	69.0	57.3-	0.0	1.5
InSPIRE FS 748	88	68.8	58.5	0.0	6.0+
MAS 190	89	68.5	57.0-	0.0	3.0+
AgriMAXX 566	90	68.4	58.2	0.0	5.5+
LA16076C-6-2-3	91	68.2	57.5	0.0	0.0-
NC18-16900	92	68.2	57.9	-0.0	0.0-
GA16388-8-3-7-23LE6	93	68.2	59.7+	4.0+	0.5
USG 3352	94	67.6	58.0	2.0	5.5+
KWS680	95	67.5	56.6-	-0.0	0.0-
SCNC15305-43	96	67.3	60.0+	2.0	0.5
Hilliard-NCCIA	97	67.2	58.3	-0.0	1.0
Dyna-Gro 9151	98	67.0	59.4	1.5	6.0+
21VTK13-35	99	66.7	60.0+	3.5+	0.5
mean		70.5	58.5	0.5	1.6
LSD		10.0	1.1	2.2	1.2
CV		15.9	1.3	213.2	38.2

continued . . .

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

Line	Rank	Grain Yield	Test Weight	Powdery Mildew	Leaf Rust
AGS 4714	100	66.7	59.7+	-0.0	0.0-
InSPIRE FS 766	101	66.7	57.0-	4.0+	3.0+
SH9520	102	66.7	58.4	-0.0	4.0+
VA23HRW-52	103	66.2	60.2+	-0.0	2.0
AgriMAXX 545	104	65.8	56.1-	-0.0	5.5+
CP8650	105	65.1	57.2-	2.0	5.0+
USG 3875	106	65.1	57.7	2.0	3.0+
AgriMAXX EXP 2505	107	65.1	58.0	-0.0	4.0+
Dyna-Gro 9743	108	64.5	57.7	-0.0	4.0+
Dyna-Gro 9593	109	64.5	57.4	1.5	4.0+
Dyna-Gro 9422	110	64.4	56.8-	-0.0	5.5+
VA24W-5471	111	64.4	58.2	-0.0	1.0
Dyna-Gro 9751	112	64.3	57.6	-0.0	5.0+
Dyna-Gro 9231	113	63.7	56.9-	-0.0	5.5+
Dyna-Gro 9393	114	63.7	58.3	2.0	2.0
AgriMAXX 513	115	63.1	58.5	0.0	4.0+
AGS 4043	116	62.0	59.5	0.0	0.0-
VA23HRW-31	117	62.0	60.3+	2.0	-0.0-
Dyna-Gro 9533	118	61.8	53.6-	0.0	5.5+
SH 7222	119	61.8	59.9+	-0.0	0.0-
USG 3755	120	61.7	56.6-	0.0	5.5+
InSPIRE FS 745	121	59.0-	56.1-	-0.0	5.5+
Dyna-Gro 9570	122	58.7-	59.0	-0.0	6.0+
Dyna-Gro 9120	123	58.5-	58.9	2.0	3.5+
P26R511	124	58.5-	57.6	4.5+	5.5+
AGS 3026	125	58.4-	60.0+	2.0	0.0-
MASSEY	126	58.1-	58.4	-0.0	7.5+
Dyna-Gro 9172	127	57.8-	55.5-	-0.0	5.5+
USG 3472	128	57.3-	57.0-	0.0	6.0+
AgriMAXX 516	129	57.2-	56.6-	0.0	6.0+
AgriMAXX 543	130	55.5-	57.9	2.0	1.5
18VTK10-77	131	53.8-	59.8+	-0.0	0.0-
CP8224	132	50.9-		5.5+	0.0-

KAS 240	133	49.5-	56.2-	0.0	6.0+
mean		70.5	58.5	0.5	1.6
LSD		10.0	1.1	2.2	1.2
CV		15.9	1.3	213.2	38.2

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 7: Virginia state soft winter wheat official variety test in Shenandoah Valley, VA in 2026.

Line	Rank	Grain Yield bu/ac	Test Weight lb/bu
21VTK7-36	1	121.1+	60.0
21VTK7-11	2	113.1+	59.8
AGS 3518	3	113.0+	59.4
VA22W-201	4	112.4+	59.7
CP8650	5	112.3+	58.7
VA24FHB-282	6	111.9+	59.5
KWS606	7	111.6+	59.0
VT Pitman	8	109.9+	59.9
Dyna-Gro 9632	9	109.2+	58.3
Dyna-Gro 9743	10	107.9+	59.0
AgriMAXX 576	11	107.1+	60.1
Dyna-Gro 9751	12	106.4	60.7+
VA20FHB-21	13	105.8	59.9
21VTK7-43	14	105.7	61.3+
VA23W-330	15	105.4	60.2+
InSPIRE FS 766	16	105.3	58.4
LA16076C-6-2-3	17	105.1	60.0
HILLIARD	18	105.0	58.8
21VTK4-10	19	104.8	59.3
AGS 3871	20	104.0	57.6
21VTK12-21	21	103.3	57.7
AgriMAXX 545	22	103.3	58.3
KAS 245	23	102.8	59.8
SH9520	24	102.7	58.5
USG 3875	25	102.7	59.1
19VTK7-66	26	102.2	60.3+
21VTK13-26	27	101.9	58.5
AgriMAXX 575	28	101.8	58.4
21VTK5-56	29	101.8	59.5
21VTK6-21	30	101.6	58.6
mean		95.0	58.8
LSD		12.0	1.4
CV		12.0	1.7

continued . . .

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

Line	Rank	Grain Yield	Test Weight
21VTK5-6	31	101.6	59.3
InSPIRE FS 774	32	101.5	60.3+
21VTK6-2	33	101.4	58.5
19VTK7-61	34	101.3	59.1
LA15093SB-30-3-3	35	101.3	57.2-
AgriMAXX 566	36	100.8	59.3
21VTK6-18	37	100.6	59.1
21VTK13-6	38	100.5	58.3
21VTK6-24	39	100.5	59.4
21VTK6-11	40	100.4	61.1+
MAS 190	41	100.4	58.2
USG 3447	42	100.3	58.9
VA23HRW-12	43	100.0	59.4
21VTK4-3	44	99.7	60.7+
GA161243-15-5-8-23E47	45	99.7	60.2+
VA24FHB-321	46	99.6	60.8+
Dyna-Gro 9570	47	99.5	58.4
Dyna-Gro 9593	48	99.5	58.2
AGS 3026	49	99.4	60.6+
SCVT19VDH-FHB-MAS03-41	50	99.4	59.8
Dyna-Gro 9120	51	99.2	60.8+
GA16388-8-3-7-23LE6	52	99.0	60.2+
GA161058-13-4-6-23E14	53	98.9	58.8
21VTK4-31	54	98.7	59.3
Dyna-Gro 9151	55	98.6	58.9
KWS585	56	98.6	59.2
LATX16D132W-50-3-2	57	98.5	59.2
VA24W-3171	58	98.5	59.3
21VTK6-12	59	98.2	59.0
Dyna-Gro 9172	60	98.0	58.9
VA23W-434	61	98.0	55.8-
Dyna-Gro 9422	62	97.6	58.7
AgriMAXX 516	63	97.5	58.6
18VTK10-188	64	97.5	58.7
mean		95.0	58.8
LSD		12.0	1.4
CV		12.0	1.7

continued . . .

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

Line	Rank	Grain Yield	Test Weight
21VDH-FHB-MAS07-1	65	97.3	57.7
CP8345	66	97.3	60.0
21VTK13-24	67	97.1	58.1
SH 7222	68	97.0	59.2
VA24FHB-4414	69	96.9	58.2
InSPIRE FS 748	70	96.9	59.2
VA20FHB-20	71	96.7	59.4
InSPIRE FS 745	72	96.6	58.8
VA19FHB-36	73	96.5	58.6
VA23W-433	74	96.2	56.1-
VA23W-432	75	96.1	57.3-
15VTK-1-101	76	96.1	58.3
AgriMAXX 513	77	95.9	58.0
SCNC15305-43	78	95.6	59.1
KWS620	79	95.5	60.0
Phoenix 96	80	95.5	59.7
USG 3352	81	95.4	57.9
USG 3472	82	95.1	58.4
KAS 240	83	94.7	58.1
LA19333-NDH31	84	94.4	58.1
Dyna-Gro 9393	85	94.4	59.0
DH19SRW07-321	86	94.1	57.8
SC22W198	87	94.0	59.9
AgriMAXX 564	88	93.9	58.5
NC18-16900	89	93.9	57.8
AGS 4043	90	93.3	59.6
18VTK10-77	91	93.3	60.1
SC22W361	92	93.2	60.0
SH 7200	93	93.0	60.1
VA24FHB-6474	94	92.3	58.7
GA17034ID-22-3-5-23LE29	95	92.3	60.2+
USG 3354	96	92.1	55.8-
18VTK10-23	97	92.0	60.1
AgriMAXX EXP 2505	98	92.0	58.1
mean		95.0	58.8
LSD		12.0	1.4
CV		12.0	1.7

continued . . .

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

Line	Rank	Grain Yield	Test Weight
USG 3673	99	91.9	58.5
SH 5123	100	91.8	58.0
18VTK9-68	101	91.7	60.2
VA19HRW-17BS29	102	91.5	58.4
VT Pane	103	90.5	58.8
Phoenix 29	104	90.2	59.3
VA24W-3062	105	90.2	57.3-
Hilliard-NCCIA	106	89.4	57.1-
CP8081	107	89.3	58.5
VA20W-142	108	88.7	59.2
LA19-31	109	87.4	58.1
Dyna-Gro 9231	110	87.2	57.7
VA23HRW-20	111	86.8	57.5
VA23W-532	112	86.6	57.6
21VTK13-35	113	85.0	58.5
SCLA19WF2110	114	84.9	59.4
VA23HRW-52	115	84.3	58.5
19VDH-FHB-MAS05-27	116	84.0	56.0-
LAVT19VDH-FHB-MAS11-10	117	83.9	57.7
CP8224	118	83.0-	58.6
DH20SRW02-073	119	82.0-	56.8-
USG 3755	120	81.8-	59.0
VA23HRW-101	121	81.6-	59.3
VA23HRW-31	122	81.2-	58.9
19VTK15-37	123	81.1-	57.5
AGS 4714	124	78.7-	60.4+
MASSEY	125	78.3-	58.7
VA24W-5471	126	77.4-	57.8
Dyna-Gro 9533	127	77.0-	57.4-
KWS680	128	76.1-	57.5
AgriMAXX 543	129	75.9-	56.4-
KWS678	130	74.5-	57.8
21VTK9-37	131	57.8-	59.9
VA24FHB-5391	132	56.7-	58.7
mean		95.0	58.8
LSD		12.0	1.4
CV		12.0	1.7

continued . . .

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

Line	Rank	Grain Yield	Test Weight
P26R511	133		
mean		95.0	58.8
LSD		12.0	1.4
CV		12.0	1.7

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 8: Virginia state soft winter wheat official variety test in Warsaw, VA in 2026.

Line	Rank	Grain Yield bu/ac	Test Weight lb/bu	Heading Date Julian	Height in	Lodging 0-9	Awns A-TA-AL
DH20SRW02-073	1	88.4+	59.5	111	29	2.8+	AL
VA24FHB-4414	2	88.2+	61.5	107-	29+	0.8	A
21VDH-FHB-MAS07-1	3	88.0+	60.0	110	26	1.8	AL
VA24W-3062	4	87.4+	59.3	111	28	1.8	AL
21VTK12-21	5	86.0+	61.2	111	26	2.5+	AL
VA24FHB-5391	6	85.5+	58.5	111	29	1.5	AL
19VTK15-37	7	85.4+	61.7	107-	26-	2.5+	AL
KWS680	8	84.6+	61.4	108-	26	2.0	AL
Dyna-Gro 9751	9	84.5+	59.7	111	29	1.0	A
VA23W-433	10	84.3+	56.7-	109	28	1.8	AL
SCVT19VDH-FHB-MAS03-41	11	84.0+	61.7	109	31+	1.2	A
21VTK6-18	12	83.7	59.2	111	27	1.5	A
AgriMAXX 576	13	83.7	60.9	112+	27	1.0	A
KWS585	14	83.5	60.7	110	27	0.8	A
VA24W-3171	15	83.3	62.2+	109	27	2.0	A
21VTK13-6	16	83.2	59.9	111	26	1.5	A
AgriMAXX 564	17	83.1	61.8	108-	29+	1.2	A
USG 3352	18	83.0	59.4	112+	27	1.5	A
VA23W-434	19	83.0	59.7	108-	29	2.2	A
21VTK7-36	20	83.0	62.8+	111	29	1.3	A
21VTK13-26	21	82.9	59.8	111	25-	1.5	A
VA20W-142	22	82.8	60.1	109	29+	1.5	AL
VA24FHB-6474	23	82.6	61.0	111	29+	1.5	AL
LATX16D132W-50-3-2	24	82.4	60.7	111	27	2.0	A
21VTK4-3	25	82.4	60.8	110	29+	1.0	A
18VTK10-77	26	82.4	61.3	107-	27	1.5	A
USG 3354	27	82.4	59.1	107-	28	3.3+	AL
VA23W-532	28	82.3	60.6	107-	28	2.8+	A
Dyna-Gro 9231	29	82.2	59.3	110	28	1.2	A
21VTK6-11	30	82.1	62.6+	110	28	1.0	A
CP8345	31	82.1	57.2-	111	28	1.0	A
mean		78.1	60.1	110	28	1.4	NA
LSD		5.6	2.0	1	2	0.9	NA
CV		7.2	2.3	1	4	44.5	NA

continued ...

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

Line	Rank	Grain Yield	Test Weight	Heading Date	Height	Lodging	Awns
21VTK5-6	32	82.0	59.3	114+	27	0.5-	A
VA23W-432	33	81.9	61.0	108-	29	2.0	A
SH 5123	34	81.9	58.0-	111	26	2.8+	AL
SH 7200	35	81.8	61.4	107-	29	2.5+	A
21VTK7-43	36	81.8	61.9	112+	29+	1.0	A
KAS 245	37	81.7	59.3	112+	27	1.0	A
P26R511	38	81.6	60.0	109	27	0.5-	AL
VA24FHB-282	39	81.5	61.6	108-	27	2.0	A
VA24W-5471	40	81.4	60.8	111	26	0.3-	AL
SCLA19WF2110	41	81.4	61.4	106-	28	1.8	A
15VTK-1-101	42	80.8	59.5	110	25-	1.5	A
AGS 3518	43	80.8	60.5	107-	28	1.0	A
USG 3755	44	80.7	59.2	111	27	1.8	AL
AgriMAXX 566	45	80.7	61.8	111	28	0.7	A
VA22W-201	46	80.6	62.9+	109	26-	0.5-	A
21VTK6-2	47	80.6	58.7	109	26-	1.0	A
Dyna-Gro 9533	48	80.5	58.2	111	26	1.2	AL
CP8224	49	80.4	60.5	111	27	1.8	AL
USG 3673	50	80.4	60.1	110	27	2.8+	AL
21VTK4-10	51	80.3	57.7-	111	30+	1.0	A
Dyna-Gro 9151	52	80.1	60.8	111	28	1.5	A
19VDH-FHB-MAS05-27	53	79.9	58.6	112+	28	0.5-	AL
VA20FHB-20	54	79.9	62.8+	107-	29	1.5	A
InSPIRE FS 774	55	79.4	62.7+	107-	28	1.2	A
USG 3447	56	79.3	59.5	108-	29	1.5	A
Phoenix 29	57	79.3	60.4	111	28	2.5+	A
VA23HRW-12	58	79.3	60.6	109-	29	1.5	A
21VTK9-37	59	79.1	57.1-	111	27	1.2	AL
21VTK6-12	60	79.0	60.7	111	29	1.8	A
VA23W-330	61	78.9	61.4	111	27	1.2	A
Dyna-Gro 9632	62	78.9	59.5	111	28	1.8	A
21VTK6-24	63	78.8	61.7	107-	27	1.8	A
SC22W198	64	78.7	60.0	110	31+	2.5+	A
LAVT19VDH-FHB-MAS11-10	65	78.6	60.3	106-	28	2.0	A
mean		78.1	60.1	110	28	1.4	NA
LSD		5.6	2.0	1	2	0.9	NA
CV		7.2	2.3	1	4	44.5	NA

continued . . .

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

Line	Rank	Grain Yield	Test Weight	Heading Date	Height	Lodging	Awns
21VTK13-24	66	78.3	60.5	112+	26	1.0	A
21VTK5-56	67	78.3	58.0-	113+	26	0.5-	A
Phoenix 96	68	78.0	59.2	112+	29	1.8	A
InSPIRE FS 745	69	78.0	61.3	111	27	1.0	A
AgriMAXX EXP 2505	70	77.9	59.9	110	28	1.0	A
KWS606	71	77.8	56.2-	113+	28	0.5-	A
21VTK6-21	72	77.8	61.1	110	27	1.5	A
CP8650	73	77.7	58.4	111	27	0.5-	A
Dyna-Gro 9593	74	77.7	59.2	111	28	0.8	A
21VTK7-11	75	77.7	59.3	113+	29	0.8	A
Hilliard-NCCIA	76	77.6	62.2+	108-	29	1.5	A
18VTK10-23	77	77.4	62.7+	107-	27	0.5-	A
21VTK4-31	78	77.4	58.4	111	29	1.0	A
Dyna-Gro 9743	79	77.3	59.7	111	26	1.0	A
VT Pitman	80	77.2	61.3	107-	27	1.5	A
AgriMAXX 575	81	77.1	58.2	110	27	0.5-	A
SH9520	82	76.9	59.9	112+	28	1.2	A
VA20FHB-21	83	76.9	61.8	109	28	1.0	A
InSPIRE FS 748	84	76.9	61.0	111	27	0.7	A
SC22W361	85	76.8	61.4	107-	28	0.8	A
KWS678	86	76.8	59.6	112+	29	2.5+	AL
InSPIRE FS 766	87	76.7	58.0-	110	28	1.8	A
SH 7222	88	76.6	58.2	111	28	1.2	A
AGS 3871	89	76.5	57.5-	114+	28	1.0	A
Dyna-Gro 9120	90	76.4	63.1+	111	26-	1.2	A
HILLIARD	91	76.4	61.8	108-	29	1.7	A
18VTK10-188	92	76.2	61.6	108-	27	1.8	A
VA19FHB-36	93	75.9	61.7	110	28	1.7	A
VA23HRW-101	94	75.8	61.6	107-	27	1.5	A
USG 3875	95	75.8	60.2	111	28	1.0	A
Dyna-Gro 9422	96	75.8	59.5	112+	29	1.7	A
Dyna-Gro 9570	97	75.7	60.4	111	28	1.8	A
VA23HRW-52	98	75.6	62.0	107-	27	2.8+	A
19VTK7-61	99	75.4	59.0	109	27	1.7	A
mean		78.1	60.1	110	28	1.4	NA
LSD		5.6	2.0	1	2	0.9	NA
CV		7.2	2.3	1	4	44.5	NA

continued . . .

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

Line	Rank	Grain Yield	Test Weight	Heading Date	Height	Lodging	Awns
MAS 190	100	75.3	56.2-	112+	27	0.7	A
GA16388-8-3-7-23LE6	101	75.3	59.8	112+	28	1.0	A
VA19HRW-17BS29	102	75.2	59.4	114+	27	0.5-	A
18VTK9-68	103	75.1	61.7	107-	27	2.5+	A
SCNC15305-43	104	75.1	60.3	110	27	1.8	A
CP8081	105	75.0	60.8	110	27	1.3	A
DH19SRW07-321	106	75.0	60.9	113+	27	0.0-	A
GA17034ID-22-3-5-23LE29	107	74.7	61.9	110	28	1.5	A
AgriMAXX 543	108	74.6	62.2+	109	27	1.3	AL
VA23HRW-20	109	74.5	60.3	111	26	0.8	A
USG 3472	110	74.5	59.6	111	27	0.8	A
GA161243-15-5-8-23E47	111	74.2	58.7	112+	29	1.7	A
AgriMAXX 513	112	74.1	59.6	111	28	1.7	A
LA19333-NDH31	113	74.1	61.9	107-	26-	1.5	A
LA15093SB-30-3-3	114	74.0	59.2	111	30+	1.2	A
Dyna-Gro 9393	115	73.7	60.5	111	27	1.2	A
VT Pane	116	73.6	59.6	112+	29+	1.2	A
NC18-16900	117	73.5	59.1	111	29	2.0	AL
AgriMAXX 516	118	73.1	59.1	111	28	1.0	A
AgriMAXX 545	119	73.0	58.3	112+	26	0.2-	A
19VTK7-66	120	72.9	57.6-	111	30+	1.5	A
AGS 3026	121	72.9	57.4-	113+	27	1.0	A
LA19-31	122	72.0-	62.0	107-	25-	1.0	A
AGS 4714	123	71.8-	60.7	107-	29	2.8+	A
Dyna-Gro 9172	124	71.5-	59.8	111	27	0.8	A
LA16076C-6-2-3	125	71.0-	55.6-	112+	30+	2.3	A
KAS 240	126	71.0-	59.5	111	27	1.2	A
KWS620	127	70.7-	62.2+	109	25-	0.7	A
AGS 4043	128	70.7-	60.0	110	26	1.3	A
21VTK13-35	129	70.4-	61.8	110	25-	2.5+	A
VA24FHB-321	130	70.3-	61.5	111	27	1.5	A
GA161058-13-4-6-23E14	131	67.3-	59.5	112+	28	1.5	A
VA23HRW-31	132	66.2-	59.3	108-	28	1.5	A

MASSEY	133	62.0-	59.6	110	32+	3.5+	AL
mean		78.1	60.1	110	28	1.4	NA
LSD		5.6	2.0	1	2	0.9	NA
CV		7.2	2.3	1	4	44.5	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

Winter Barley in 2026

The 2026 growing season was even more challenging for winter barley than for winter wheat, largely because the barley is significantly earlier. Some fields saw almost complete loss of grain due to frost. Others experienced significant kill of primary tillers, resulting in late season development of additional tillers that were very late to mature. The drought also had a disproportionately higher impact on barley than the wheat, as precipitation came in too late for the barley but in time to help finish grain fill for the wheat.

Table 9: Virginia state winter barley official variety test at 6 sites across Virginia in 2026. Sites included Blacksburg, Painter, Holland, and Warsaw VA. Blackstone, VA, and Orange, VA, were removed from the state average analysis due to excessive freeze damage.

Line	Grain Yield bu/ac (4)	Test Weight lb/bu (4)	Heading Date Julian (2)	Height in (2)	Lodging 0-9 (2)	FHBPlant Response 0-9 (1)	Head Type
KWS Futuris	120.5+	53.5+	116+	30	0.4	2.0	6RLX
18/253/54	119.8+	52.3	114+	32+	0.8	2.0	6RLX
16/449/71	115.3+	53.3	112	31	0.3	3.5+	6RLX
19/262/36	115.2+	50.6	115+	32+	0.3	3.0	6RLX
HIRONDELLA	111.8+	52.0	117+	30	0.4	2.5	6RLX
MAROUETTA	109.3+	52.7	114+	31	1.1	3.5+	6RLX
VA22M-188	109.2+	52.8	117+	31	0.6	1.0	2R
KWS 1219	107.6+	52.3	112	28-	0.8	3.5+	6RLX
17/310/65	106.8+	52.9	114+	30	1.9	2.0	6RLX
20/276/38	104.6+	52.6	113+	29	0.6	4.0+	6RLX
FULLER	104.0+	52.5	115+	29	1.3	2.5	2R
20/301/25	103.2+	50.8	111	29	0.8	3.5+	6RLA,6RLX
VA22B-361	102.2+	53.2	113+	33+	0.1	3.0	6RLA
VA22B-354	100.9	51.8	112	30	0.1	3.5+	6RLA
VA22M-205	100.5	53.9+	116+	31	1.6	1.0	2R
20/297/21	99.8	54.2+	112	29	0.4	3.5+	6RLX
mean	90.0	51.9	111	30	0.7	2.0	NA
LSD	11.4	1.5	2	2	1.3	1.3	NA
CV	17.8	3.6	1	6	179.0	31.9	NA

continued . . .

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)
Head types, 2R = two-row, 6RLA = six-row long awns, 6RSA = six-row short awns, NA = six-row awnless

Line	Grain Yield	Test Weight	Heading Date	Height	Lodging	FHBPlant Response	Head Type
20/297/30	98.9	53.7+	111	29	0.3	3.5+	6RLX
THOROUGHBRED	98.4	53.4	113+	29	1.4	2.5	6RLA
CALYPSO	97.8	50.6	116+	30	0.8	1.5	2R
VA23M-619	94.8	51.2	112	31	0.4	1.0	6RLX
VA22M-30	93.6	53.8+	116+	32+	0.9	1.0	2R
VA24M-6RLA-130	90.9	51.0	110	32+	0.3	1.5	6RLA
VA23B-726	90.2	51.5	108-	32+	0.6	1.0	6RLA
VA23M-562	88.1	51.5	111	27-	1.8	1.0	2R
VA24B-6RLA-538	87.3	53.3	107-	30	0.1	3.0	6RLA
FLAVIA	87.2	51.1	116+	25-	1.1	1.5	2R
VA23M-699	87.0	52.0	107-	32	1.1	1.0	6RLA
VIOLETTA	85.9	51.1	113+	28-	0.6	1.0	2R
VA24B-6RLA-186	85.6	51.6	106-	30	0.1	1.0	6RLA
VA24B-6RLA-162	85.1	50.1-	107-	32	1.3	2.0	6RLA
SB255	84.5	52.1	108-	33+	0.4	1.0	6RLA
VA24B-6RLA-178	83.4	51.2	107-	29	0.3	1.5	6RLA
VA24B-6RLA-182	83.2	51.7	109-	28	0.1	1.5	6RLA
VA24B-6RLA-192	82.9	52.7	108-	27-	0.1	2.5	6RLA
VA24B-6RLA-200	80.7	51.4	109-	30	0.1	1.0	6RLA
VA24B-6RLA-540	80.7	52.6	108-	30	0.1	1.5	6RLA
AVALON	80.0	53.1	114+	31	1.6	1.0	2R
VA24B-6RLA-198	79.1	51.1	107-	27-	0.1	2.0	6RLA
mean	90.0	51.9	111	30	0.7	2.0	NA
LSD	11.4	1.5	2	2	1.3	1.3	NA
CV	17.8	3.6	1	6	179.0	31.9	NA

continued . . .

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)
Head types, 2R = two-row, 6RLA = six-row long awns, 6RSA = six-row short awns, NA = six-row awnless

Line	Grain Yield	Test Weight	Heading Date	Height	Lodging	FHBPlant Response	Head Type
VA24B-6RLA-146	78.7	48.4-	108-	30	0.3	1.0	6RLA
VA24B-6RLA-196	78.5-	50.5	107-	27-	0.1	1.0	6RLA
VA23B-728	75.1-	50.3-	106-	29	0.1	1.0	6RLA
BARSOY	74.6-	49.9-	106-	31	2.1+	1.5	6RLA
WYSOR	74.3-	51.0	108-	32	0.4	1.5	
NOMINI	74.0-	50.9	105-	31	0.1	1.5	
SECRETARIAT	73.1-	50.5	106-	25-	0.1	4.5+	6RLA
VA23B-727	72.5-	51.5	106-	28-	0.1	1.5	6RLA
VA23B-707	70.3-	47.9-	106-	29	0.9	1.0	6RLA
VA23B-775	69.8-	50.7	109-	28-	0.1	2.5	6RLA
VA92-42-46	68.6-	50.7	109	35+	2.6+	2.0	
GREG	64.6-	62.3+	116+	33+	2.1+	1.0	2R
VT_BEAHM	57.8-	49.9-	106-	31	0.1	1.0	
mean	90.0	51.9	111	30	0.7	2.0	NA
LSD	11.4	1.5	2	2	1.3	1.3	NA
CV	17.8	3.6	1	6	179.0	31.9	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)
Head types, 2R = two-row, 6RLA = six-row long awns, 6RSA = six-row short awns, NA = six-row awnless

Table 10: Virginia state winter barley official variety test in Blacksburg, VA in 2026.

Line	Grain Yield bu/ac	Test Weight lb/bu	Heading Date Julian	Height in	Lodging 0-9	Head Type
18/253/54	170.2+	50.4	117+	36+	0.0	6RLX
KWS Futuris	161.2+	50.6	120+	34	0.0	6RLX
19/262/36	157.0+	43.3-	118+	35	0.5	6RLX
HIRONDELLA	153.2+	48.0	120+	33	1.0	6RLX
VA22M-188	151.4+	49.2	120+	33	1.5	2R
16/449/71	148.5+	49.8	116+	36	0.5	6RLX
VA22M-205	148.5+	51.5+	119+	35	4.5+	2R
VA22B-354	139.9+	49.8	116+	36+	0.0	6RLA
CALYPSO	137.2+	48.1	119+	33	1.5	2R
KWS 1219	137.1+	49.7	116+	32	1.5	6RLX
VA22B-361	135.1+	51.3+	117+	38+	-0.0	6RLA
FULLER	130.7+	49.6	119+	33	3.5+	2R
THOROUGHBRED	130.6+	50.6+	116+	35	4.0+	6RLA
MAROUETTA	129.3+	50.2	118+	34	0.5	6RLX
VIOLETTA	128.7+	50.0	117+	32	1.0	2R
17/310/65	128.2+		117+	32	1.0	6RLX
20/297/30	123.4+	50.3	115	32	0.5	6RLX
20/297/21	123.0+	50.7+	115	33	0.5	6RLX
20/276/38	121.9+	49.7	117+	32	0.5	6RLX
FLAVIA	118.9+	47.7	118+	29-	3.0+	2R
VA22M-30	116.8	51.1+	118+	34	2.5+	2R
20/301/25	112.8	48.4	115	32	0.0	6RLA,6RLX
VA23M-619	112.0	47.1	116	35	1.0	6RLX
VA24M-6RLA-130	99.5	47.1	114	35	-0.0	6RLA
AVALON	98.8	49.5	118+	32	4.5+	2R
VA24B-6RLA-540	97.9		112	34	0.0	6RLA
VA23M-562	97.1	49.6	116	27-	0.0	2R
VA24B-6RLA-182	94.2	49.0	111-	35	-0.0	6RLA
VA24B-6RLA-192	93.8		111-	30-	-0.0	6RLA
VA24B-6RLA-178	93.3-		110-	31	-0.0	6RLA
mean	105.8	48.6	114	33	0.8	NA
LSD	12.0	2.0	2	3	1.0	NA
CV	8.0	2.6	1	5	63.3	NA

continued ...

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)
Head types, 2R = two-row, 6RLA = six-row long awns, 6RSA = six-row short awns, NA = six-row awnless

Line	Grain Yield	Test Weight	Heading Date	Height	Lodging	Head Type
VA24B-6RLA-538	91.4-		109-	34	-0.0	6RLA
VA23B-726	90.7-	49.2	110-	33	0.0	6RLA
VA24B-6RLA-186	89.5-	48.5	109-	35	-0.0	6RLA
VA24B-6RLA-162	87.2-	44.1-	110-	33	0.0	6RLA
VA23M-699	86.2-	48.5	110-	33	0.0	6RLA
SB255	85.3-	48.3	111-	38+	0.0	6RLA
VA24B-6RLA-198	81.2-		109-	31	-0.0	6RLA
NOMINI	81.1-	46.0-	109-	34	0.0	
VA24B-6RLA-146	79.5-	43.5-	111-	36+	-0.0	6RLA
WYSOR	78.4-	45.0-	111-	35	0.0	
VA24B-6RLA-200	77.9-		112	32	0.0	6RLA
SECRETARIAT	75.8-		108-	29-	-0.0	6RLA
BARSOY	74.4-		109-	33	-0.0	6RLA
GREG	73.8-	57.4+	119+	34	6.0+	2R
VA23B-727	72.6-	47.8	108-	33	0.0	6RLA
VA24B-6RLA-196	69.9-		109-	30	-0.0	6RLA
VA23B-775	68.6-	47.7	112-	31	-0.0	6RLA
VA23B-728	63.1-		109-	30-	0.0	6RLA
VT_BEAHM	61.8-	44.8-	109-	32	0.0	
VA92-42-46	60.9-	42.5-	112	34	-0.0	
VA23B-707	56.8-		108-	32	0.0	6RLA
mean	105.8	48.6	114	33	0.8	NA
LSD	12.0	2.0	2	3	1.0	NA
CV	8.0	2.6	1	5	63.3	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)
Head types, 2R = two-row, 6RLA = six-row long awns, 6RSA = six-row short awns, NA = six-row awnless

Table 11: Virginia state winter barley official variety test in Blackstone, VA in 2026.

Line	Grain Yield bu/ac	Test Weight lb/bu
VA23M-619	52.7	65.4
KWS Futuris	52.6	
FULLER	51.7	70.9
VA24B-6RLA-200	51.3	66.8
MAROUETTA	51.3	68.5
VA22M-188	50.5	70.2
17/310/65	49.9	71.1
16/449/71	48.7	71.4
VA24B-6RLA-162	48.6	67.9
19/262/36	48.1	67.4
VA24B-6RLA-182	47.9	
18/253/54	47.5	2.8-
VA24B-6RLA-196	47.4	
KWS 1219	47.4	
VA22M-205	47.2	
VA22M-30	47.2	
VA23M-699	47.1	
VA24B-6RLA-178	46.9	
VA24B-6RLA-538	46.8	69.9
20/301/25	46.4	
VA23M-562	46.4	
VA24B-6RLA-192	46.2	
SB255	46.1	
VA23B-727	46.0	
HIRONDELLA	45.9	
20/297/30	45.6	68.4
20/276/38	45.6	
SECRETARIAT	45.1	
NOMINI	44.3	
FLAVIA	44.2	
mean	45.6	64.1
LSD	8.1	18.8
CV	12.5	1.8

continued . . .

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)
Head types, 2R = two-row, 6RLA = six-row long awns, 6RSA = six-row short awns, NA = six-row awnless

Line	Grain Yield	Test Weight
VA24B-6RLA-186	44.2	
AVALON	44.1	
20/297/21	43.7	68.9
VA23B-726	43.3	
VA22B-361	43.0	
VA24B-6RLA-540	43.0	
VA23B-728	42.4	
CALYPSO	42.0	
THOROUGHBRED	42.0	
VA24B-6RLA-146	42.0	
VA24B-6RLA-198	41.9	
VA22B-354	41.7	
VA23B-707	41.6	
VIOLETTA	41.6	
VA24M-6RLA-130	40.8	
VA23B-775	40.8	
BARSOY	40.1	
GREG	38.3	
VA92-42-46		
VT_BEAHM		
WYSOR		
mean	45.6	64.1
LSD	8.1	18.8
CV	12.5	1.8

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)
Head types, 2R = two-row, 6RLA = six-row long awns, 6RSA = six-row short awns, NA = six-row awnless

Table 12: Virginia state winter barley official variety test in Holland, VA in 2026.

Line	Grain Yield bu/ac	Test Weight lb/bu
KWS Futuris	112.8+	55.6
20/276/38	112.2+	56.1
18/253/54	107.5+	56.5+
19/262/36	107.0+	55.9
VA22B-361	106.2+	56.6+
16/449/71	106.2+	57.7+
HIRONDELLA	105.2+	54.8
MAROUETTA	102.0	55.7
17/310/65	101.8	56.8+
VA24B-6RLA-538	101.0	58.2+
FULLER	94.7	56.9+
20/301/25	92.4	52.5-
VA22M-205	91.3	56.4+
VA24B-6RLA-182	90.6	55.6
VA22M-30	89.8	57.5+
20/297/21	89.6	56.6+
VA24B-6RLA-196	89.2	54.0
VA22M-188	88.7	56.2
VA23M-619	88.0	54.4
VA22B-354	88.0	55.1
VA23B-727	85.2	53.3
20/297/30	85.2	56.5+
VA23B-726	85.1	53.3
VA24B-6RLA-162	85.0	53.4
VA23M-699	84.9	54.4
CALYPSO	84.4	54.9
VA24M-6RLA-130	84.1	53.5
KWS 1219	83.5	54.8
THOROUGHBRED	83.1	56.1
FLAVIA	82.5	54.3
mean	85.6	54.7
LSD	17.3	1.5
CV	14.5	1.8

continued . . .

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)
Head types, 2R = two-row, 6RLA = six-row long awns, 6RSA = six-row short awns, NA = six-row awnless

Line	Grain Yield	Test Weight
VA24B-6RLA-200	81.7	54.6
VA24B-6RLA-192	81.3	55.8
VA24B-6RLA-198	81.1	53.6
VA24B-6RLA-186	80.3	53.3
SB255	79.6	54.6
VA23M-562	78.2	52.0-
VA24B-6RLA-146	75.7	53.4
VA23B-728	74.3	52.3-
AVALON	73.5	56.7+
VA23B-775	70.2	53.4
VIOLETTA	70.0	54.5
VA24B-6RLA-540	65.9-	55.0
BARSOY	63.9-	50.7-
VA24B-6RLA-178	63.0-	52.0-
VA23B-707	62.7-	47.7-
SECRETARIAT	61.1-	
GREG	55.3-	
NOMINI		
VA92-42-46		
VT_BEAHM		
WYSOR		
mean	85.6	54.7
LSD	17.3	1.5
CV	14.5	1.8

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)
Head types, 2R = two-row, 6RLA = six-row long awns, 6RSA = six-row short awns, NA = six-row awnless

Table 13: Virginia state winter barley official variety test in Orange, VA in 2026.

Line	Grain Yield bu/ac	Test Weight lb/bu
VA24B-6RLA-200	50.4+	49.1
SB255	49.4	51.7
VA23M-562	48.6	50.7
VA24B-6RLA-196	48.3	49.7
VA23B-726	48.0	
VA23B-775	47.9	
VA23B-728	47.5	48.5
VA24B-6RLA-178	45.4	51.6
VA24B-6RLA-540	45.2	52.5
VA22B-354	45.0	
VA24B-6RLA-186	44.9	
VA24B-6RLA-182	44.7	
VA24M-6RLA-130	43.1	
VA23M-699	43.0	
VA23B-727	42.0	
VA24B-6RLA-198	41.9	
VA23B-707	41.5	43.7
VA24B-6RLA-538	41.4	
VA24B-6RLA-162	39.3	
BARSOY	39.2	
20/276/38	38.4	
SECRETARIAT	38.4	
THOROUGHBRED	38.1	
VA24B-6RLA-192	37.8	
VA24B-6RLA-146	36.9	
VA22B-361	36.4	
FLAVIA	35.1	
AVALON	34.8	
VT_BEAHM	34.6	
VA23M-619	33.7	
mean	37.9	49.7
LSD	12.0	14.6
CV	19.1	1.9

continued . . .

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)
Head types, 2R = two-row, 6RLA = six-row long awns, 6RSA = six-row short awns, NA = six-row awnless

Line	Grain Yield	Test Weight
20/301/25	32.9	
VA22M-188	29.7	
VA22M-30	28.9	
17/310/65	28.4	
KWS Futuris	25.6-	
GREG	25.5-	
VIOLETTA	23.4-	
FULLER	23.0-	
WYSOR	20.4-	
KWS 1219	17.7-	
16/449/71		
18/253/54		
19/262/36		
20/297/21		
20/297/30		
CALYPSO		
HIRONDELLA		
MAROUETTA		
NOMINI		
VA22M-205		
VA92-42-46		
mean	37.9	49.7
LSD	12.0	14.6
CV	19.1	1.9

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)
Head types, 2R = two-row, 6RLA = six-row long awns, 6RSA = six-row short awns, NA = six-row awnless

Table 14: Virginia state winter barley official variety test in Painter, VA in 2026.

Line	Grain Yield bu/ac	Test Weight lb/bu
VA24B-6RLA-178	92.3+	59.6+
20/301/25	88.0	55.6
16/449/71	84.9	56.5
VA24B-6RLA-146	84.8	55.6
VA23M-619	84.5	57.1
MAROUETTA	83.9	56.2
KWS Futuris	83.5	57.1
VA22B-354	83.4	56.4
VA23B-726	83.3	57.3
VA22M-188	83.0	55.0-
KWS 1219	82.0	56.2
VA24B-6RLA-186	81.8	58.3
VA23B-775	81.1	58.0
17/310/65	79.9	56.8
FULLER	79.6	56.4
SB255	79.2	58.3
18/253/54	77.8	53.9-
19/262/36	77.7	54.7-
VA24B-6RLA-196	77.5	58.7+
HIRONDELLA	76.3	55.9
THOROUGHBRED	76.2	58.1
VA23M-699	76.1	56.9
VA24B-6RLA-198	76.0	58.0
VA23B-727	76.0	58.2
VA23B-707	75.1	54.9-
20/276/38	74.6	55.9
VA22B-361	74.6	57.4
CALYPSO	73.8	53.4-
20/297/30	73.8	57.5
VA24B-6RLA-200	73.3	58.5+
mean	73.8	56.9
LSD	16.0	1.5
CV	15.2	1.8

continued ...

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)
Head types, 2R = two-row, 6RLA = six-row long awns, 6RSA = six-row short awns, NA = six-row awnless

Line	Grain Yield	Test Weight
VA24B-6RLA-192	73.3	60.7+
20/297/21	73.2	57.4
VA24M-6RLA-130	72.2	56.0
VA22M-30	71.4	55.4
VA24B-6RLA-540	71.3	58.9+
VA23B-728	71.3	56.8
VA24B-6RLA-182	71.0	57.8
BARSOY	68.9	56.8
VA24B-6RLA-162	68.7	56.7
VA23M-562	68.3	57.8
AVALON	67.9	58.2
SECRETARIAT	66.3	56.6
VIOLETTA	66.2	56.2
VA24B-6RLA-538	66.0	57.8
FLAVIA	64.5	55.6
VA22M-205	60.5	
GREG	49.4-	
WYSOR	37.1-	
NOMINI	37.0-	
VA92-42-46		
VT_BEAHM		
mean	73.8	56.9
LSD	16.0	1.5
CV	15.2	1.8

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)
Head types, 2R = two-row, 6RLA = six-row long awns, 6RSA = six-row short awns, NA = six-row awnless

Table 15: Virginia state winter barley official variety test in Warsaw, VA in 2026.

Line	Grain Yield bu/ac	Test Weight lb/bu	Height in	Lodging 0-9
KWS 1219	131.3+	48.8	24-	0.2
KWS Futuris	124.5+	50.5+	27	0.5
18/253/54	123.7+	47.3	28	1.0
MAROUETTA	122.0+	50.2+	28	1.3
20/301/25	119.5+	46.3	25	1.0
19/262/36	119.0+	47.4	29+	-0.0
16/449/71	118.0+	48.5	27	-0.0
17/310/65	117.4+	48.9	27	2.2+
VA22M-188	113.9+	49.0	28	-0.0
20/297/21	113.6+	50.7+	25	0.3
20/297/30	113.1+	49.9+	26	-0.0
HIRONDELLA	112.4+	48.8	26	-0.0
FULLER	110.9+	46.1	25	-0.0
20/276/38	109.8+	48.1	26	0.5
VA23M-562	108.7+	47.2	25	2.5+
VA24M-6RLA-130	108.0	47.2	29+	0.3
THOROUGHBRED	103.6	48.4	25	-0.0
VA23B-726	101.8	47.0	29+	0.7
VA22M-205	101.7	48.3	27	-0.0
VA23M-699	100.9	48.2	29+	1.5
VA24B-6RLA-162	99.5	45.7	29+	1.7+
VA92-42-46	99.0	49.2+	34+	3.8+
WYSOR	97.9	48.6	28	0.5
VA22M-30	96.3	49.1+	29+	-0.0
CALYPSO	95.6	45.9	26	0.2
VA23M-619	94.6	46.2	28	-0.0
NOMINI	94.4	47.4	28	0.0
SB255	93.8	47.0	29+	0.5
VA22B-361	92.9	47.2	28+	-0.0
VA22B-354	92.5	46.0	26	0.0
mean	96.8	47.0	27	0.5
LSD	11.9	2.2	2	1.2
CV	8.8	3.2	4	183.9

continued . . .

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)
Head types, 2R = two-row, 6RLA = six-row long awns, 6RSA = six-row short awns, NA = six-row awnless

Line	Grain Yield	Test Weight	Height	Lodging
VA23B-728	91.8	45.2	27	-0.0
BARSOY	91.4	45.2	28	3.0+
VA24B-6RLA-186	90.9	46.8	25	-0.0
VA24B-6RLA-538	90.8	48.6	26	-0.0
VA24B-6RLA-200	90.1	45.4	27	0.0
SECRETARIAT	89.3	45.0	22-	-0.0
VA24B-6RLA-540	87.6	47.1	26	-0.0
VA23B-707	86.6	42.0-	26	1.3
VA24B-6RLA-178	83.5-	44.9	25	0.3
VA24B-6RLA-192	83.1-	46.4	24-	-0.0
FLAVIA	82.9-	46.5	22-	0.0
GREG	79.9-	58.1+	31+	-0.0
AVALON	79.9-	48.1	28	-0.0
VIOLETTA	78.8-	43.7-	24-	0.3
VA24B-6RLA-198	78.1-	44.5-	24-	0.0
VA24B-6RLA-196	77.4-	42.5-	23-	0.0
VA24B-6RLA-182	76.8-	44.7-	23-	-0.0
VT_BEAHM	76.5-	46.4	28	-0.0
VA24B-6RLA-146	74.8-	40.2-	25-	0.2
VA23B-775	59.1-	42.0-	24-	0.0
VA23B-727	56.3-	42.3-	23-	-0.0
mean	96.8	47.0	27	0.5
LSD	11.9	2.2	2	1.2
CV	8.8	3.2	4	183.9

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)
Head types, 2R = two-row, 6RLA = six-row long awns, 6RSA = six-row short awns, NA = six-row awnless