

WSU Variety Testing 2014 Soft Spring Wheat Nursery at WSU-Mount Vernon NWREC.

Variety	Mkt class	4 yr ave (bu/a)	3 yr ave (bu/a)	2 yr ave (bu/a)	Yield (bu/a)	T. Wt. (lbs/bu)	Protein (%)	Head date	plant ht (in)	Lodging %	Rust
WA 8162 (Seahawk)	SWS		128.0	115.5	<b>93.3</b>	<b>57.4</b>	10.4	12-Jun	42	93	R
WA 8189	SWS			119.2	<b>92.0</b>	<b>57.0</b>	9.9	12-Jun	41	68	R
WA 8224	SWS				<b>88.8</b>	<b>54.4</b>	11.1	9-Jun	44	93	R
WA 8195	SWS			99.8	<b>84.6</b>	<b>53.9</b>	10.6	6-Jun	40	100	R
WA 8193	SC			106.5	<b>76.2</b>	52.4	11.6	12-Jun	38	72	R
Whit	SWS	66.1	73.3	73.5	<b>76.1</b>	49.6	11.9	6-Jun	39	100	MS
WA 8214	SWS				<b>73.1</b>	52.3	11.6	5-Jun	36	98	R
JD	SC	96.1	100.6	95.0	<b>69.6</b>	54.6	11.2	10-Jun	42	88	R
WA 8213	SWS				58.1	51.3	11.2	10-Jun	38	100	MS
Merrill II	SWS				55.5	51.8	11.5	14-Jun	37	98	MS
Louise-0W	SWS		65	57.1	51.4	49.0	11.4	12-Jun	39	100	MS
ML SEL H118-2	SWS				49.1	47.8	11.7	13-Jun	39	37	R
Alpowa	SWS	59.3	60.2	48.3	47.1	51.3	11.4	12-Jun	39	93	MR
Zak	SWS	60.3	65.0	60.9	47.1	52.1	10.6	12-Jun	36	93	MR
Louise	SWS	67.8	71.6	65.1	46.2	46.2	11.6	10-Jun	40	100	MS
Diva	SWS	62	65.9	57.0	45.0	47.5	11.5	10-Jun	40	80	MR
WB-1035CL+	SWS	42.4	49.7	51.9	43.7	46.6	13.0	9-Jun	34	100	S
Louise-G2	SWS	65.2	67.2	55.1	42.1	47.3	11.8	12-Jun	38	70	MR
UI-Stone (IDO599)	SWS		76.8	60.6	41.8	46.5	12.3	9-Jun	39	100	MS
IDO852	SWS			49.0	38.4	48.3	11.8	9-Jun	34	87	S
WA 8215	SWS				30.7	43.8	12.4	12-Jun	38	100	MR
Alturas	SWS	51.7	52.4	33.9	29.8	46.0	12.7	12-Jun	35	30	MS
Nick	SWS	30.3	32.4	28.3	26.3	48.6	13.7	6-Jun	38	100	S
IDO851	SWS			30.8	25.3	46.7	12.5	12-Jun	35	53	MS
WB6341	SWS				24.1	44.4	12.8	8-Jun	33	62	MS
Babe	SWS	54.8	47.9	29.1	21.7	41.8	16.0	9-Jun	35	100	MS
Average					53.0	49.6	11.9		38.0	85.2	
CV					32.5	5.4					
LSD @ .10					28.2	4.4					

- All values within the 10% LSD range of the highest are shown in bold.
- The Hard Spring Wheat Nursery was seeded on 03 April 2014.
- Seed was placed at 100#/ac seeding rate with a double disc drill set on 6-inch spacing.
- 220 lbs N, 21 P, 21K, and 19 S were applied post-emergence based on soil tests.
- No fungicides were applied for stripe rust control.
- Major rainfall events at the end of July and 2nd week of August coupled with high winds caused excessive lodging affecting yield and test weight of most lines.
- The nursery was harvested on 28 August 2014, averaging 53.0 bu/ac, 29.2 bu/ac less than the previous year.
- Test Weight averaged 49.6 lbs/bu, lower than last year's 54.7 lbs/bu.
- Grain protein averaged 11.9 %, slightly higher than last year's 11.4% protein value.
- R= resistant; MR = moderately resistant; MS = moderately susceptible; S = susceptible

For additional information contact Steve Lyon (slyon@wsu.edu).

For additional variety testing results visit: <http://plantbreeding.wsu.edu>

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