

**WSU Bread Lab Soft White Spring Wheat
2018 Mount Vernon**

2 Year 3 Year 4 Year

Variety	Mkt Class	Yield (Bu/A)	Test WT (Lbs/Bu)	Protein (%)	Plant HT (In)	Head Date	Stripe Rust	Average (Bu/A)	Average (Bu/A)	Average (Bu/A)
Released Varieties										
Seahawk	SWS	67.5	60.2*	9.7	27	178	R	77	73	81
Tekoa	SWS	65.3	61.6*	9.8	29	174	MR-MS	82	76	80
Diva	SWS	57.1	59.7*	10.8	25	175	MR-MS	67	--	--
Louise	SWS	48.6	59.4	10.9	27	175	MR	58	60	54
Ryan	SWS	44.0	60.3*	11.0	29	175	MR	54	49	55
WB6121	SWS	43.8	61.5*	11.6*	20	175	MR	64	--	--
Melba	SC	43.7	57.5	10.6	23	176	MR	55	--	--
Whit	SWS	41.3	60.6*	10.8	23	175	MS	56	55	57
JD	SC	39.2	60.1*	11.7*	22	176	MR	58	56	60
SY Saltese	SWS	36.2	0.6	10.6	21	175	MR	50	--	--
Babe	SWS	21.9	54.0	11.3	24	176	S	32	--	--
Experimental Breeding Lines										
WA 8298 CL+	SWSI	94.0**	60.9*	10.3	32	174	MR-MS	--	--	--
WA 8297 CL+	SWSI	61.0	60.7*	10.1	22	174	MR-MS	--	--	--
WA 8296 CL+	SWSI	60.0	60.4*	10.4	28	175	R	--	--	--
WA 8277	SWS	52.0	61.8**	10.9	23	175	MR	--	--	--
14-SW-1059	SWS	48.5	58.6	9.7	24	182	MR	--	--	--
WA 8295 CL+	SCI	46.8	60.4*	11.3	23	175	MR	--	--	--
08PN2001-07	SWS	46.1	57.7	10.3	25	179	MR	--	--	--
14-FAC-2043	SWS	39.9	59.7*	10.3	22	178	MR	--	--	--
11PN2532-507	SWSI	39.5	59.7*	11.8**	25	180	MR	--	--	--
WA 8266 CL+	SWSI	36.5	56.9	10.2	25	174	S	--	--	--
IDO1403S	SWS	31.5	55.3	10.4	23	178	R	--	--	--
WB6341	SWS	30.3	57.2	10.3	19	174	S	--	--	--
WB-1035CL+	SWSI	24.2	54.1	11.8*	20	175	S	--	--	--
C.V. %		23.8	2.3	2.4						
LSD (0.05)		18.2	2.2	0.4						
Average		46.6	59.1	10.7						
Highest		94.0	61.8	11.8						
Lowest		21.9	54.0	9.7						

** = indicates highest value within a column

* = indicates value equal to highest value within a column based on Fisher's protected LSD (p=0.05)

Agronomic Information

Planting Date: 4/24/2018

Harvest Date: 8/15/2018

Seeding Rate: ~120 lbs/ac

Previous Crop: pea cover crop

Spring soil test:1-ft sample

N (lb/ac) 20

P (ppm) 82

S (ppm) 3

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pH 6.4

Herbicides:

Diuron pre-emerge on 04/25/18

Maestro 2EC, Harmony Extra SG on 05/21/18

Fertilizer applied:

(lbs/ac) 100N 10K 8S

Trial Notes

1. The Mount Vernon nursery was located on the WSU-Mount Vernon NWREC research field.
2. The nursery was seeded with a double disc drill on 6 inch spacing.
3. No fungicides were applied for control of stripe rust or other fungal diseases.
4. Overall yield was 32% less than 2017, and grain test weight was 2.0 lb/bu greater.

- Heading date (Julian) is when 50% of the heads are 50% emerged.
- SWS = Soft White Spring, SC = Spring Club, SCI = Spring Club Clearfield, SWSI = Soft White Spring Clearfield
- R = resistant, MR = moderately resistant, MS = moderately susceptible, S = susceptible

Commercial products or trade names do not imply an endorsement by Washington State University. There is no funding provided for this research, consequently this study was supported solely by general donations from individuals to the Bread Lab.

Questions? Contact Steve Lyon (slyon@wsu.edu) 360-707-4640.

For additional variety testing results visit:

<http://thebreadlab.wsu.edu/western-washington-variety-trials/>.