

2014 WSU Variety Testing SW Spring Wheat Trial, Moses Lake

Variety Name <i>*Club Italicized</i>	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2014					
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE	LODGING %
WA 8224				153	63.4	12.3	42	151	22
Alturas	115	116	139	152	63.1	11.5	41	150	3
Louise	109	114	125	151	63.3	12.1	41	150	47
WA 8215				148	64.3	12.4	40	150	28
Babe	119	117	131	147	64.2	13.0	40	150	0
<i>WA 8193</i>			128	145	62.1	10.9	37	151	0
UI-Stone (IDO599)	118	115	139	144	62.9	11.6	38	149	0
WA 8213				144	62.6	11.2	40	150	8
Louise-0W		111	122	144	63.2	12.1	41	151	38
Louise-G2		116	126	143	62.9	12.2	41	150	43
WA 8189			140	143	63.4	12.5	38	151	17
WA 8214				141	62.6	13.0	37	148	3
WB6341				141	63.6	10.9	38	149	0
Diva	102	104	113	139	62.0	12.4	40	150	33
WA 8195			129	139	63.7	12.5	40	150	12
Nick	114	115	130	137	63.7	12.9	39	149	0
IDO852			134	136	62.7	11.7	40	148	0
Whit	110	109	129	136	63.1	13.1	39	149	0
IDO851			132	135	63.3	11.7	39	149	0
WA 8162 (Seahawk)		107	125	134	63.9	12.8	40	151	0
Zak	100	101	112	134	62.7	12.7	40	151	30
Alpowa	107	108	122	133	64.1	13.1	40	151	12
WB-1035CL+		113	124	129	63.3	14.5	38	150	0
<i>JD</i>	100	98	105	126	63.6	12.4	42	151	27
C.V. %	8	8	6	5	0.9	2.1	3	0	143
LSD (.10)	4	6	6	7	0.6	0.3	1	1	20
Average	109	110	127	141	63.2	12.3	40	150	13
Highest	119	117	140	153	64.3	14.5	42	151	47
Lowest	100	98	105	126	62.0	10.9	37	148	0

Moses Lake Soft White Spring Wheat – Preliminary Data

1. Grain yield in the 2014 Moses Lake soft white spring wheat trial averaged 141 bushels/acre, 32 bushels/acre higher than the 5-year average. The Moses Lake nursery was located about eight miles south east of Moses Lake, WA (R. Bergeson, cooperator).
2. This nursery was seeded on 14 March, 2014 following sunflowers. Seed was placed at a 100#/acre seeding rate using a plot drill set on 6-inch spacing. A spring soil test indicated 221#/acre of soil available N. Spring seeding conditions and establishment were good and growing conditions produced high yields.
3. Yields ranged from 126 bu/acre to 153 bu/acre. Yield values within the LSD range of the highest yield are shown in bold and five of the 24 entries is in this group. 'Alturas' was the highest yielding entry in the trial. 'Babe' was the highest yielding variety within 5-year summary. Minor stripe rust infestation was found in the trial later in the growing season, but no fungicide was applied or needed.
4. Test weights averaged 63.2 lbs/bu with a range from 62.0 to 64.3 lbs/bu. Grain protein averaged 12.3% with a range of 10.9 to 14.5%. The average plant height was 40 inches and about half of the entries had some lodging.