

2013 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)	2013					
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE	LODGING %
WA 8189				137	61.4	12.4	43	158	0
UI-Stone (IDO599)			101	133	60.5	11.6	42	153	0
IDO852				132	61.3	11.8	41	153	0
IDO851				129	61.0	11.5	41	156	0
Alturas	110	99	98	125	60.4	11.8	42	156	0
IDO854				123	61.0	12.9	42	155	0
Nick	112	103	104	123	61.4	12.0	42	153	0
Whit	107	99	95	123	60.9	12.8	42	154	0
WA 8195				120	60.9	12.7	43	155	5
WB-1035CL+		101	105	119	61.5	13.4	42	153	0
WA 8162			94	117	60.9	12.9	43	157	8
Babe	111	106	103	115	59.7	12.1	43	156	10
Alpowa	103	98	96	111	59.4	12.3	43	157	17
<i>WA 8193</i>				111	60.2	12.1	42	158	0
Louise-G2		108	102	109	59.2	12.9	43	156	57
WA 8196				106	59.1	13.1	41	155	0
Wakanz	102	97	91	102	57.6	13.1	42	158	0
Louise-0W			94	101	58.4	13.0	44	158	60
Louise	99	102	95	100	59.0	13.4	43	157	73
WA 8194				98	58.3	13.5	45	158	53
<i>ARS03174CS-14</i>				98	58.4	13.2	43	158	62
Zak	98	93	85	91	57.3	12.7	44	158	40
Diva	94	95	86	86	58.0	13.9	42	156	62
<i>JD</i>	96	90	85	85	60.4	14.0	47	158	78
C.V. %	9	9	11	7	1.4	2.2	3	1	55
LSD (.10)	4	6	8	8	0.9	0.3	1	1	13
Average	103	99	96	112	59.8	12.7	43	156	22
Highest	112	108	105	137	61.5	14.0	47	158	78
Lowest	94	90	85	85	57.3	11.5	41	153	0

Moses Lake Irrigated Soft White Spring Wheat - Preliminary Data

1. Grain yield in the 2013 Moses Lake soft white spring wheat trial averaged 112 bushels/acre, 9 bushels/acre higher than the 5-year average. The Moses Lake nursery was located about six miles southeast of Moses Lake, WA (R. Bergeson, cooperator).
2. This nursery was seeded on 18 March, 2013 following Potatoes. Seed was placed at a 100#/acre seeding rate using a double-disc plot drill set on 6-inch spacing. A spring soil test showed 257#N/acre and 150#N/acre was applied before seeding. Spring seeding conditions and establishment were good.
3. Yields ranged from 85 bu/acre to 137 bu/acre. Yield values within the LSD range of the highest yield are shown in bold and 4 of the 24 entries are in this group. 'UI-Stone' was the highest yielding named entry in the trial and 'Nick' was the highest yielding over 5-years at this location. No fungicide was applied and stripe rust was not a factor.
4. Test weights averaged 59.8 lbs/bu with a range from 57.3 to 61.51 lbs/bu. Grain protein averaged 12.7% with a range of 11.5 to 14.0%. The average plant height was 43 inches and lodging varied from 0 to 78%.