

2011 WSU Variety Testing SW Spring Wheat Trial, Moses Lake

Variety Name <small>*Club Italized</small>	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2011					
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE	LODGING (%)
Louise-G2	--			121	63.5	11.5	38	165	0
WA 8124	--		109	120	63.6	11.8	41	168	0
Louise	--	102	102	116	63.6	11.7	40	165	2
Babe	--	117	121	114	64.0	12.1	38	165	0
Diva	--	99	99	113	63.3	11.7	40	166	0
Wakanz	--	109	104	110	63.0	12.1	36	166	0
Zak	--	106	98	108	62.9	11.7	38	166	0
IDO687	--			108	63.9	11.4	38	166	0
Whit	--	115	111	107	63.0	11.9	38	164	0
WA 8149	--			107	63.1	11.5	38	167	0
WA 8128	--			106	63.8	12.0	39	163	0
WA 8131	--			104	62.3	11.1	36	167	0
Alpowa	--	107	104	103	63.6	11.7	38	166	0
IDO686	--			103	64.1	11.5	39	165	0
Nick	--	118	113	102	63.2	11.3	37	164	0
IDO644	--			102	60.9	11.3	35	163	0
JD	--	104	103	101	64.4	12.4	43	167	0
WA 8150	--			101	63.5	11.4	38	166	17
Alturas	--	117	114	100	62.6	11.2	37	166	0
WA 8127	--			100	62.8	11.7	37	165	0
IDO671	--		107	99	62.8	11.2	35	165	0
Eden	--	107	101	94	63.4	11.3	37	166	0
UI-Cataldo	--	110	104	94	61.7	12.1	36	163	0
WB-1035CL2	--			91	62.8	12.8	35	164	0
C.V.	--	11	9	5	0.4	2.1	4	0	777
LSD	--	6	7	7	0.2	0.3	1	1	6
Average	--	109	106	105	63.2	11.7	38	165	1
Highest	--	118	121	121	64.4	12.8	43	168	17
Lowest	--	99	98	91	60.9	11.1	35	163	0

Moses Lake (Irrigated) Soft White Spring Wheat – Preliminary Data

1. Grain yield in the Moses Lake soft white spring wheat trial averaged 105 bushels/acre, 4 bushels/acre less than the 3-year average. The Moses Lake nursery was located about two miles east of Quincy, WA (J. Lafave, cooperator).
2. This nursery was seeded on 17 March, 2011 following Edamame beans. Seed was placed at a 100#/acre seeding rate using a double-disc drill set on 6-inch spacing. Base fertilizer was 100 #N/acre applied. Spring seeding was timely and establishment was good.
3. Yields ranged from 91 bu/acre to 121 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. Louise-G2 was the highest yielding entry in 2011 and Nick was the highest yielding over 5 years of results at this site. The Louise-G2 entry is a 2 oz/100lb of Gaucho seed treatment. This treatment targets wire worms that may be causing yield losses but was not significantly different than Louise with the standard seed treatment. Stripe rust was a minor factor in this trial and no fungicide was applied. The Lattice design was 119% efficient compared to an RCBD for yield.
4. Test weights were very good averaging 63.2 lb/bu and ranged from 60.9 to 64.4 lb/bu. Grain protein averaged 11.7% with a range of 11.1 to 12.8%. The average plant height was 38 inches with minor lodging.