

2011 WSU Variety Testing SW Spring Wheat Trial, Reardan

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
Louise-G2				90	63.3	10.5	40	186
Louise	63	80	91	89	63.4	10.9	39	186
JD	61	81	92	88	64.4	11.6	42	187
Diva		79	90	85	62.6	11.1	39	186
WA 8131				85	63.0	11.8	33	187
WA 8128				84	63.7	11.3	41	186
WA 8124			88	83	63.4	10.8	39	188
IDO686				82	64.2	11.0	39	187
Alturas	63	82	90	80	62.3	10.5	36	187
IDO687				80	63.9	10.9	37	187
Wakanz	60	75	88	79	61.9	11.3	34	187
IDO644				79	62.0	10.6	33	185
IDO671			89	77	62.5	10.6	36	186
WA 8127				77	63.1	11.6	35	186
Eden	56	71	84	76	63.5	11.1	35	187
Babe	66	81	90	76	62.6	10.8	37	186
WA 8149				76	61.9	10.4	36	187
Alpowa	62	76	88	74	62.7	10.6	37	188
Whit	62	78	86	74	62.7	10.9	36	185
WA 8150				74	62.8	10.3	36	187
UI-Cataldo	55	72	81	72	62.5	11.6	34	185
Zak	58	71	75	66	62.1	11.0	37	188
Nick	56	68	78	66	61.8	11.5	34	185
WB-1035CL2				61	61.9	13.2	33	185
C.V.	13	10	8	7	0.7	3.6	2	0
LSD	3	4	5	8	0.5	0.4	1	1
Average	60	76	86	78	62.8	11.1	37	186
Highest	66	82	92	90	64.4	13.2	42	188
Lowest	55	68	75	61	61.8	10.3	33	185

Reardan Soft White Spring Wheat – Preliminary Data

1. Grain yield in the Reardan soft white spring wheat trial averaged 78 bushels/acre, 18 bushel/acre more than the 5-year average. The Reardan nursery was located about six miles west of Reardan, WA (Hal Johnson, cooperator).
2. This nursery was seeded on 20 April, 2011 following winter wheat. Seed was placed at an 80#/acre seeding rate using a no-till plot drill set on 10-inch spacing. Base fertilizer was 70 #N applied. Spring seeding was late, but establishment was good.
3. Yields ranged from 61 bu/ac to 90 bu/ac. Yield values within the LSD range of the highest yield are shown in bold and 8 of the 24 entries are in this group. Louise-G2 was the highest yielding entry in 2011 and Babe 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 different than Louise with the usual seed treatment. Stripe rust was a factor in this trial but no fungicide was applied. There appears to be 25% or more effect on yield by stripe rust for susceptible entries. The Lattice design was 108% efficient compared to an RCBD for yield.
4. Test weights were very good and averaged 62.8 lb/bu and ranged from 61.8 to 64.4 lb/bu. Grain protein was good and averaged 11.1% with a range of 10.3 to 13.2%. The average plant height was 37 inches with no lodging.