

2011 WSU Variety Testing Hard Spring Wheat Trial, Reardan

Variety Name <small>*Hard White 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
Lassik		72	88	85	62.2	12.5	33	187
WA 8123			86	82	62.5	12.4	35	186
WA 8074		68	78	80	62.0	12.7	36	186
WA 8133				80	63.2	12.3	36	186
BR7030			88	79	62.7	12.2	35	186
Scarlet	55	69	80	71	60.8	13.2	38	186
Patwin 515				71	60.4	13.5	25	186
UI Winchester		70	80	70	62.1	12.5	34	186
WA 8148				70	60.6	12.9	34	187
Hollis	49	59	66	69	61.2	13.3	47	186
Jefferson	52	66	75	69	61.5	13.1	36	186
10Fx Inc.1				69	62.8	12.3	35	186
Westbred 926	53	66	76	67	60.3	13.2	34	185
Buck Pronto	53	67	77	67	61.3	14.7	34	184
Kelse	55	67	76	67	61.7	13.4	37	187
Clear White 515				67	60.6	13.6	32	184
Otis		68	74	65	62.6	10.9	41	187
Bullseye		69	78	65	63.0	12.5	31	186
Macon		66	72	64	61.1	11.5	35	186
Tara 2002	48	62	69	64	60.9	13.3	37	184
WB-Fuzion			76	64	61.4	13.4	36	184
Cerere				64	61.1	11.4	34	188
IDO702				63	60.0	13.3	36	187
Hank	51	63	69	56	59.7	12.8	33	186
C.V.	11	9	7	4	0.5	2.7	3	0
LSD	2	4	4	4	0.3	0.4	1	1
Average	52	67	77	70	61.5	12.8	35	186
Highest	55	72	88	85	63.2	14.7	47	188
Lowest	48	59	66	56	59.7	10.9	25	184

Reardan Hard Spring Wheat – Preliminary Data

1. Grain yield in the Reardan hard spring wheat trial averaged 70 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 drill set on 10-inch spacing. Base fertilizer was 100#N/acre and soil test analysis showed 102#N/acre available. No additional N was applied to meet the hard protein target at projected yield levels. Spring seeding was late but establishment was good.
3. Yields ranged from 56 bu/ac to 85 bu/ac. Yield values within the LSD range of the highest yield are shown in bold and 2 of the 24 entries are in this group. Lassik was the highest yielding named variety for 2011 and Scarlet and Kelse were highest yielding over 5 years at this location. Stripe rust was a factor in this trial but no fungicide was applied. There appears to be about 25% yield loss due to stripe rust for susceptible entries. The Lattice design was 108% efficient compared to an RCBD for yield.
4. Test weights were good with an average of 61.5 lb/bu and ranged from 59.7 to 63.2 lb/bu. Grain protein averaged 12.8% with a range of 10.9 to 14.7%. The average plant height was 35 inches with no lodging.