

2011 WSU Variety Testing Hard Spring Wheat Trial, Horse Heaven

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 (%)	LODGING (%)	PLANT HT
Scarlet	31	32	42	38	59.9	12.2	0	30
Lassik		32	41	37	62.0	11.5	0	25
WA 8123			40	37	61.7	11.8	0	27
BR7030			37	36	61.9	11.2	0	28
Buck Pronto	25	28	37	36	59.8	13.1	0	27
UI Winchester		31	40	36	61.5	11.8	0	26
WA 8133				36	61.7	11.7	0	29
Kelse	27	30	38	35	60.4	12.4	0	30
Patwin 515				35	59.5	12.0	0	21
Hollis	28	30	39	34	60.6	12.3	0	33
WA 8074		31	38	34	60.8	11.4	0	28
WA 8148				34	59.9	12.1	0	28
Tara 2002	25	27	34	33	59.1	11.8	0	29
Westbred 926	25	28	36	32	59.9	12.0	0	28
Bullseye		31	40	32	62.5	10.9	0	25
Jefferson	28	30	38	31	59.6	11.4	0	26
WB-Fuzion			37	31	59.3	12.1	0	28
Macon		29	37	30	59.3	10.9	0	28
IDO702				30	58.5	11.6	0	27
Cerere				30	59.7	11.2	0	25
Hank	27	27	34	29	58.3	11.8	0	27
Clear White 515				29	59.0	13.1	0	26
10Fx Inc.1				27	59.6	11.8	0	27
Otis		28	36	25	60.6	10.9	0	28
C.V.	14	10	8	8	1.2	3.3	0	5
LSD	2	2	3	4	1.0	0.5	0	2
Average	27	30	38	33	60.2	11.8	0	27
Highest	31	32	42	38	62.5	13.1	0	33
Lowest	25	27	34	25	58.3	10.9	0	21

Dusty Soft White Winter Wheat – Preliminary Data

1. Grain yield in the Dusty soft white winter wheat trial averaged 104 bushels/acre, equivalent to the 3-year average. The Dusty nursery was located about 10 miles northwest of Dusty, WA (Bob Morasch, cooperator).
2. This nursery was seeded on 29 September, 2010 following summer fallow. Seed was placed at an 85#/acre seeding rate using a double disc plot drill set on 6-inch spacing. Base fertilizer was 75#N. Fall seeding conditions were favorable although the first attempt at seeding at this site was washed out by an intense rain event. Emergence and stand establishment were very good.
3. Yields ranged from 71 to 137 bu/ac. All yield values within the 10% LSD range of the highest yield are shown in bold. The club Bruehl was the highest yielding cultivar in the trial, but 12 of the 60 entries in the trial were within the top LSD range. Cara was the top yielding entry across three years of results at this location. Stripe rust potential was moderate at this location and no fungicides were applied to the trial. Stripe rust impact on yield is estimated to be 10% or more for susceptible entries. The Lattice design was 258% efficient compared to an RCBD.
4. Test weights were good with an average of 61.5 lb/bu. Grain protein averaged 11.4% with a range of 10.0 to 12.4%, plant height averaged 41 inches, and there was no lodging.