

2014 WSU Variety Testing SW Spring Wheat Trial, Horse Heaven

Variety Name <i>*Club Italicized</i>	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2014			
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT
Zak	33	28	34	24	61.0	12.9	21
WA 8213				23	60.1	11.6	22
WA 8224				23	60.9	11.8	21
WA 8162 (Seahawk)		26	31	23	61.3	12.1	21
<i>JD</i>	37	27	33	22	62.3	12.0	20
Alpowa	32	26	30	22	61.3	12.4	21
Diva	35	28	33	22	60.9	11.9	22
Nick	31	24	29	22	61.4	12.7	20
Louise-0W		26	31	22	60.3	12.5	23
WB6341				22	62.0	11.3	20
WA 8214				22	60.6	11.9	21
<i>WA 8193</i>			33	21	60.8	12.3	19
Whit	34	27	31	21	60.4	12.1	20
Louise-G2		28	32	21	59.9	12.6	23
WA 8215				21	62.0	12.1	20
WA 8189			32	20	61.3	12.4	21
WA 8195			29	19	62.1	12.3	21
Babe	32	24	28	19	61.6	12.9	20
IDO851			30	19	61.0	11.4	19
IDO852			29	19	63.0	12.1	20
Louise	36	28	33	19	59.9	12.3	23
WB-1035CL+		24	29	19	60.6	13.5	20
Alturas	31	25	30	19	60.8	11.6	20
UI-Stone (IDO599)	30	26	30	18	62.6	12.0	19
C.V. %	7	7	7	7	1.0	2.1	4
LSD (.10)	1	1	2	2	0.7	0.3	1
Average	33	26	31	21	61.2	12.2	21
Highest	37	28	34	24	63.0	13.5	23
Lowest	30	24	28	18	59.9	11.3	19

Horse Heaven Soft White Spring Wheat – Preliminary Data

1. Grain yield in the 2014 Horse Heaven soft white spring wheat trial averaged 21 bushels/acre, 12 bushels/acre lower than the 5-year average. The Horse Heaven nursery was located about seven miles southeast of Prosser, WA (J. Moon, cooperator).

2. This nursery was seeded on 21 March, 2014 following chem-fallow. Seed was placed at a 60#/acre seeding rate using a cross-slot no-till plot drill set on 10-inch spacing. Base fertilizer was 10#N/acre applied at planting. Spring seeding conditions and establishment were good.

3. Yields ranged from 18 bu/acre to 24 bu/acre. Yield values within the LSD range of the highest yield are shown in bold and 11 of the 24 entries are in this group. 'Zak' was the highest yielding entry in the trial. Unlike the two previous years, the non-insecticide treated 'Louise 0W' did not yield less than insecticide treated 'Louise' or 'Louise G2' (2 oz Goucho/100 lb seed). 'JD', and Louise were the highest yielding entries over 5 years of results at this site. Tilt fungicide was applied with herbicide although no stripe rust was found.

4. Test weights were good and averaged 61.2 lbs/bu with a range from 59.9 to 63.0 lbs/bu. Grain protein averaged 12.2% with a range of 11.3 to 13.5%. The average plant height was 21 inches with no lodging.