

2012 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)	2012			
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT
Louise-G2			31	22	59.6	13.6	25
Louise	31	37	30	20	59.7	13.4	26
WA 8124		38		20	59.2	14.1	24
<i>WA 8160</i>				19	58.2	14.9	20
Whit	29	37	29	19	59.1	14.0	22
ARS03173LS				19	58.6	14.7	24
Diva	31	36	29	19	60.3	14.0	24
IDO671		33	26	18	60.4	13.2	22
WA 8161				18	60.5	14.1	25
Wakanz	29	36	27	18	58.3	14.1	23
IDO599		30		18	61.0	13.3	23
Alpowa	27	33	25	17	59.3	13.9	22
IDO686			26	17	61.2	13.8	25
WA 8162				17	60.3	13.3	22
IDO669		34		17	60.1	14.3	25
Louise-0W				17	59.7	14.0	26
<i>ARS03174CS</i>				17	59.2	15.5	22
Zak	29	33	24	17	59.4	14.7	24
Alturas	27	32	24	16	59.7	13.5	23
Babe	28	34	27	16	60.3	14.5	22
<i>JD</i>	32	39	31	16	60.7	14.5	22
IDO687			24	16	60.9	13.9	24
WB-1035CL+			21	15	60.1	15.9	21
Nick	27	32	24	13	59.7	15.0	21
C.V. %	9	8	9	11	1.5	2.6	4
LSD (.10)	1	2	2	2	0.9	0.4	1
Average	29	35	27	18	59.8	14.2	23
Highest	32	39	31	22	61.2	15.9	26
Lowest	27	30	21	13	58.2	13.2	20

Horse Heaven Soft White Spring Wheat - Preliminary Data

1. Grain yield in the 2012 Horse Heaven soft white spring wheat trial averaged 18 bushels/acre, 11 bushel/acre lower than the 5-year average. The Horse Heaven nursery was located about ten miles southwest of Prosser, WA (J. Moon, cooperator).

2. This nursery was seeded on 23 March, 2012 following fallow. Seed was placed at a 60#/acre seeding rate using a double-disk plot drill set on 6-inch spacing. Base fertilizer was 50#N/acre fall applied. Spring seeding conditions were variable and establishment was not uniform.

3. Yields ranged from 13 bu/acre to 22 bu/acre. Yield values within the LSD range of the highest yield are shown in bold and 3 of the 24 entries are in this group. 'Louise'-G2 was the highest yielding and is Louise with 2oz./100lbs. seed of Gaucho® insecticide seed treatment. Louise at the standard seed treatment rate (0.75oz./100lbs. seed), was 2 bu/acre less, and Louise-0W without insecticide was 5 bu/acre less than Louise-G2. 'JD', Louise, and 'Diva' were the highest yielding over 5 years of results at this site. Fungicide was applied at herbicide timing for stripe rust prevention.

4. Test weights averaged 59.8 lbs./bu and ranged from 58.2 to 61.2 lbs./bu. Grain protein averaged 14.2% with a range of 13.2 to 15.9%. The average plant height was 23 inches with no lodging.