

2012 WSU Variety Testing Hard Spring Wheat Trial, Reardan

Variety Name <i>*Hard White 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	HEAD DATE
Glee (WA 8074)		74	72	65	61.0	14.0	38	183
<i>WA 8163</i>				63	61.7	13.6	37	186
WA 8167				63	59.6	14.4	38	186
Scarlet	61	74	66	61	59.2	14.1	38	185
<i>BR7030</i>		79	70	60	60.3	13.6	36	186
LCS-Buck Pronto	59	71	63	60	60.8	14.5	36	182
Espresso				60	61.2	15.3	33	184
Kelse	59	70	63	58	60.4	15.3	37	185
<i>Otis</i>		69	62	58	60.1	13.6	41	187
Bullseye	60	72	62	58	61.7	14.2	33	186
WA 8165				58	61.3	15.2	47	186
WA 8164				57	60.5	15.0	38	185
<i>IDO694</i>				57	60.9	13.8	31	182
<i>Clear White 515</i>			62	56	59.7	15.1	33	182
WB-Fuzion	60	69	60	56	60.0	14.7	38	183
SY605 CL				56	61.9	15.3	40	183
Jefferson	58	68	62	55	59.2	15.2	37	186
WA 8166				54	58.8	14.9	37	187
<i>WB Hartline</i>				54	58.1	15.0	37	186
Hollis	52	62	61	54	59.1	15.8	47	186
<i>WA 8168</i>				54	60.0	14.7	36	187
<i>Dayn (WA 8123)</i>		75	68	53	59.0	14.6	35	184
Lassik		76	69	53	59.5	14.0	31	187
LCS-ALbany				52	58.7	14.4	35	188
Jedd				52	59.5	14.3	32	184
Hank	54	63	54	52	58.1	14.4	36	185
LCS-Powerplay			61	52	60.1	14.5	36	184
Tara 2002	52	63	58	52	58.8	14.5	38	183
V272				49	58.4	13.7	30	190
<i>Patwin 515</i>			60	48	58.9	15.4	27	186
C.V. %	8	8	8	11	2.2	5.1	2	0
LSD (.10)	2	3	4	7	1.4	0.8	1	1
Average	56	70	63	56	59.9	14.6	36	185
Highest	61	79	72	65	61.9	15.8	47	190
Lowest	45	62	54	48	58.1	13.6	27	182

Reardan Hard Spring Wheat - Preliminary Data

1. Grain yield in the 2012 Reardan hard spring wheat trial averaged 56 bushels/acre, equal to the 5-year average for this location. The Reardan nursery was located about three miles east of Reardan, WA (H. Johnson, cooperator).
2. This nursery was seeded on 23 April, 2012 following winter wheat. Seed was placed at an 80#/acre seeding rate using a no-till plot drill equipped with Cross-slot openers set on 10-inch spacing. Fertilizer was applied through the drill at 111#N/acre and a soil test showed 103#N/acre available. Available N should be adequate for expected yield and protein for hard spring wheat and no supplemental fertilizer was applied. Spring seeding conditions were good.
3. Yields ranged from 48 bu/acre to 65 bu/acre. Yield values within the LSD range of the highest yield are shown in bold and 11 of the 30 entries are in this group. The newly released variety 'Glee' was the highest yielding entry in this trial and 'Scarlet' was the highest yielding over 5 years at this location. Fungicide was applied 13 June for stripe rust control and there was minimal stripe rust impact in this trial.
4. Test weights averaged 59.9 lbs/bu and ranged from 58.1 to 61.9 lbs/bu. Grain protein averaged 14.6% with a range of 13.6 to 15.8%. The average plant height was 36 inches with no lodging.