

2012 WSU Variety Testing Hard Spring Wheat Trial, Dayton

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
<i>BR7030</i>		74	79	62	61.6	12.8	29
<i>WB Harline</i>				60	60.2	13.6	30
V272				58	60.8	13.2	24
Glee (WA 8074)		69	73	58	61.0	13.6	28
Lassik		71	75	57	61.7	12.7	27
WA 8167				57	60.5	13.5	30
Scarlet	60	67	73	56	60.2	13.4	31
Kelse	60	66	73	56	61.4	14.3	31
Hank	56	61	67	55	59.9	13.8	26
LCS-Powerplay			69	54	62.0	14.0	28
<i>WA 8163</i>				54	62.0	13.4	29
Jefferson	58	64	68	54	60.6	13.9	29
LCS-ALbany				54	60.1	13.9	32
Hollis	54	60	67	54	60.9	13.9	35
<i>Otis</i>		61	73	53	61.6	12.9	31
WA 8165				53	62.7	14.7	35
Bullseye	59	64	70	53	62.7	13.9	26
LCS-Buck Pronto	57	67	68	52	61.4	14.3	29
Expresso				52	60.8	14.5	27
<i>Dayn (WA 8123)</i>		70	74	52	61.1	13.3	28
WA 8164				52	61.1	14.2	29
<i>WA 8168</i>				52	61.6	13.7	29
WA 8166				52	61.9	13.9	28
<i>Patwin 515</i>			68	52	60.1	14.3	22
SY605 CL				50	62.1	14.6	31
Jedd	47			50	61.5	13.4	25
Tara 2002	52	58	64	50	60.7	13.9	31
<i>Clear White 515</i>			65	49	59.5	13.8	26
WB-Fuzion	61	62	66	48	60.0	15.0	29
<i>IDO694</i>				43	62.4	13.5	24
C.V. %	6	6	6	6	0.6	1.5	5
LSD (.10)	2	2	3	3	0.4	0.2	2
Average	56	65	70	53	61.1	13.8	29
Highest	61	74	79	62	62.7	15.0	35
Lowest	47	58	64	43	59.5	12.7	22

Dayton Hard Spring Wheat - Preliminary Data

1. Grain yield in the 2012 Dayton hard spring wheat trial averaged 53 bushels/acre, 3 bushels/acre lower than the 5-year average. The Dayton nursery was located about six miles northwest of Dayton, WA (J. Penner, cooperator).
2. This nursery was seeded on 1 May, 2012 following winter wheat. Seed was placed at an 80#/acre seeding rate using a plot drill equipped with double-disc openers set on 6-inch spacing. Fertilizer was applied pre-plant at 146#N/acre and a soil test showed 66#N/acre available. To meet N needs for expected yield and protein for hard spring wheat, 10#N/acre additional fertilizer was applied. Spring seeding conditions were good.
3. Yields ranged from 43 bu/acre to 62 bu/acre. Yield values within the LSD range of the highest yield are shown in bold and 2 of the 30 entries are in this group. The hard white `BR7030' was the highest yielding entry in this trial. `WB-Fuzion' was the highest yielding over 5 years of results at this site. Fungicide was applied 25 June for stripe rust control.
4. Test weights averaged 61.1 lbs/bu and ranged from 59.5 to 62.7 lbs/bu. Grain protein averaged 13.8% with a range of 12.7 to 15.0%. The average plant height was 29 inches with no lodging.