

## 2011 WSU Variety Testing Barley Trial, Fairfield

Variety Name <i>*Hulless Italicized</i>	5 Year Average (Lbs/A)	3 Year Average (Lbs/A)	2 Year Average (Lbs/A)	2011				
				Yield (Lbs/A)	Test Wt (Lbs/Bu)	Protein (%)	Plump (%)	Plant Ht.
05WA-316.K	--	--	--	3480	52.0	12.0	98	27
2Ab04-X01084-27	--	--	--	3420	50.7	12.2	97	28
07WA-682.1	--	--	--	3420	53.0	11.7	97	33
Spaulding	--	--	--	3410	54.0	11.6	97	28
CDC Meredith	--	--	--	3390	50.3	12.2	97	29
Lenetah	--	--	--	3350	52.8	12.2	97	31
Newdale	--	--	--	3300	51.1	12.5	96	30
CDC Copeland	--	--	--	3290	50.6	12.5	97	34
Tetonia	--	--	--	3290	52.2	12.3	97	28
Champion	--	--	--	3290	52.7	13.1	97	27
07MB-390	--	--	--	3270	51.6	12.2	97	28
07WA-677.1	--	--	--	3220	52.7	12.0	96	29
07WA-684.17	--	--	--	3220	52.2	11.9	97	28
07WA-649.7	--	--	--	3210	53.9	12.2	98	31
AC Metcalfe	--	--	--	3200	52.2	12.3	98	31
06WA-458.14	--	--	--	3170	52.5	13.1	98	27
2004NZ163	--	--	--	3140	52.3	12.6	97	25
Radiant	--	--	--	3130	52.0	11.9	95	29
04WA-113.22	--	--	--	3110	51.0	14.0	98	27
Harrington	--	--	--	3100	51.3	13.1	96	28
Bentley	--	--	--	3050	50.1	12.3	97	33
2Ab17271	--	--	--	2960	50.3	12.7	94	30
2004NZ151	--	--	--	2950	52.4	13.2	96	24
07WA-658.8	--	--	--	2930	51.5	13.2	96	28
07WA-614.4	--	--	--	2830	50.2	12.4	96	30
Baronesse	--	--	--	2830	51.1	13.0	97	26
Bob	--	--	--	2810	52.4	13.6	98	29
2004NZ170	--	--	--	2770	52.1	12.4	97	26
05WA-316.99	--	--	--	2750	51.8	12.8	98	28
2004NZ223	--	--	--	2720	52.2	13.3	97	27
07WA-601.6	--	--	--	2700	52.0	12.6	97	26
07WA-630.19	--	--	--	2620	52.4	13.3	98	29
WAS 2	--	--	--	2530	50.9	12.4	97	25
WAS 4	--	--	--	2290	60.5	13.8	91	27
Clearwater	--	--	--	2240	58.7	13.7	88	29
Meresse	--	--	--	1700	58.7	15.4	84	25
CV	--	--	--	9	1.2	4.6	1	5
LSD	--	--	--	280	0.7	0.6	1	2
Average	--	--	--	3000	52.5	12.7	96	28
Highest	--	--	--	3480	60.5	15.4	98	34
Lowest	--	--	--	1700	50.1	11.6	84	24

### Fairfield Spring Barley – Preliminary Data

1. Grain yield in the Fairfield spring barley trial averaged 3000 pounds/acre. The Fairfield nursery was located about four miles northwest of Fairfield, WA (L. Green, cooperator). This was a new location with no data for the previous five years.
2. This nursery was seeded on 2 May, 2011 following winter wheat. Seed was placed at a 90#/acre seeding rate using a no-till drill equipped with Cross-Slot openers set on 10-inch spacing. Base applied fertilizer was 100#N/acre. Spring seeding conditions variable due to high moisture, but spring growing conditions were favorable.
3. Yields ranged from 1810 lb/acre to 3510 lb/acre. Yield values within the LSD range of the highest yield are shown in bold and 10 of the 36 entries are in this top group. Spaulding was the highest yielding named variety. All entries were 2-row and hulless entries are listed in italics. The nearest-neighbor statistical analysis for yield was 561% relative efficient versus a RCBD.
4. Test weights were good with an average of 52.5 lb/bu and ranged from 50.1 to 60.5 lb/bu with the high values produced by hulless cultivars. Grain protein averaged 12.7%, grain plumpness averaged 96%, and the average plant height was 28 inches.