

2010 WSU EXTENSION SPRING BARLEY NURSERY AT COLFAX, WA.

Variety Name <i>*Hulless Italicized</i>	5 YEAR AVERAGE (LBS/A)	3 YEAR AVERAGE (LBS/A)	2 YEAR AVERAGE (LBS/A)	2010					
				YIELD (LBS/A)	TEST WT (LBS/BU)	PROTEIN (%)	LODGING PLANT (%)	HT	HEAD DATE
CHAMPION	--	--	5310	5910	52.0	12.2	0	40	176
LENETAH	--	--	5090	5660	50.1	13.2	7	39	176
06WA-412.4	--	--		5560	48.5	12.7	0	38	179
2004NZ163	--	--		5540	48.3	13.7	0	36	181
06WA-458.14	--	--		5490	48.4	12.3	5	39	179
PINNACLE	--	--	4720	5400	50.4	11.8	0	42	176
SPAULDING	--	--	5190	5360	48.7	12.3	7	40	178
04WA-113.22	--	--	4880	5340	48.8	13.5	17	38	176
05WA-316.K	--	--	4960	5330	46.2	13.0	22	38	175
04WNZ-124	--	--	4790	5210	45.1	13.9	0	33	181
05WA-329.49	--	--	4590	5160	51.1	14.3	42	40	176
06WA-426.49	--	--		5160	45.4	13.3	2	37	178
06WA-426.42	--	--		5120	45.5	13.4	10	38	178
05WA-316.99	--	--	4840	5120	44.7	13.1	7	39	177
BOB	--	--	4520	5100	49.8	12.9	7	39	175
RADIANT	--	--	4740	5100	47.6	13.0	0	37	179
06WA-406.28	--	--		5050	43.0	12.5	0	37	176
WAS 2	--	--		5000	50.1	13.6	5	36	176
2004NZ151	--	--		4990	45.2	12.3	0	33	180
07MB-390	--	--		4990	45.2	13.4	0	39	178
HARRINGTON	--	--	4560	4940	45.6	14.3	13	38	178
06WA-423.21	--	--		4930	46.8	12.7	17	39	177
BARONESSE	--	--	4650	4930	46.9	13.5	0	37	178
06WA-406.9	--	--		4910	41.5	12.9	0	40	178
CDC COPELAND	--	--	4520	4820	44.9	13.5	0	42	180
CDC MEREDITH	--	--		4810	42.9	12.8	8	41	180
WAS 1	--	--		4750	47.6	13.4	13	39	179
AC METCALFE	--	--	4180	4720	46.7	13.4	0	40	177
HAXBY	--	--	4440	4690	50.1	13.1	28	40	178
BENTLEY	--	--		4690	44.1	13.0	0	44	179
<i>WAS 3</i>	--	--	4130	4620	51.1	13.5	0	40	176
06WA-421.23	--	--		4580	45.4	13.7	27	39	179
TETONIA	--	--	4620	4580	46.8	13.9	33	38	179
<i>CLEARWATER</i>	--	--	4060	4300	51.9	15.0	5	41	177
<i>MERESSE</i>	--	--	3620	4190	55.0	15.0	0	35	175
<i>WAS 4</i>	--	--		4160	54.0	14.1	10	37	174
C.V. %	--	--	7	6	2.3	6.2	204	4	0
LSD '@ .10'	--	--	300	440	1.5	1.1	22	2	1
Average	--	--	4620	5010	47.7	13.3	8	39	178
Highest	--	--	5310	5910	55.0	15.0	42	44	181
Lowest	--	--	3620	4160	41.5	11.8	0	33	174

Colfax Spring Barley – Preliminary Data

1. Grain yield in the Colfax spring barley trial averaged 5010 pounds/acre, 890 pounds/acre more than last year's average for this location. The Colfax nursery was located about 3 miles west of Palouse between Colfax and Palouse (Craig Walters, cooperator).

2. This nursery was seeded on 15 April, 2010 following chickpea. 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 20#N/acre and an early spring soil test showed an additional 230#N/acre in the top 4 foot profile. Spring seeding and growing conditions were good, but available water was limiting during grain filling.

3. Yields ranged from 4160 lb/ac to 5910 lb/ac. Yield values within the LSD range of the highest yield are shown in bold and 5 of the 36 entries are in this top group. Champion was the highest yielding entry. All entries were 2-row and hulless entries are listed in italic.

4. Test weights averaged 47.7 lb/bu and ranged from 41.5 to 55.0 lb/bu with the highest values produced by hulless cultivars. Plant height averaged 39 inches and there was some lodging.