2010 WSU SPRING BARLEY TRIAL SUMMARY
Precipitation Zone= 16"- 20"

VARIETY NAME	DAYTON	MAYVIEW	REARDAN	ST. JOHN	WALLA WALLA	AVERAGE YIELD	DAYTON	MAYVIEW	REARDAN	ST. JOHN	WALLA WALLA	AVERAGE TEST WEIGHT	DAYTON	MAYVIEW	REARDAN	ST. JOHN	WALLA WALLA	AVERAGE PROTEIN
2-Row	**YIELD (LBS/A)**						**TEST WEIGHT (LBS/BU)**						**PROTEIN (%)**					
06WA-412.4	5790	4160	5640	4480	7020	**5420**	51.9	48.8	53.5	48.1	52.3	50.9	12.4	12.5	11.9	13.1	14.6	12.9
LENETAH	5430	4240	6100	4720	5680	**5230**	51.7	49.2	53.1	49.0	52.9	51.2	12.7	11.2	11.0	13.0	14.3	12.4
2004NZ163	5940	3660	6240	4020	6000	**5170**	50.4	46.5	52.8	47.3	51.5	49.7	12.5	13.0	12.5	13.5	14.9	13.3
04WNZ-124	5310	3450	5750	3890	6920	5060	48.5	44.8	51.3	45.8	49.9	48.1	13.4	13.2	12.8	14.2	14.5	13.6
WAS 2	4920	4360	4810	4450	6730	5050	53.3	50.8	53.5	50.1	54.5	52.4	12.3	12.1	12.0	12.7	14.2	12.7
CHAMPION	5190	4200	5950	3990	5380	4940	52.0	52.3	53.7	50.8	52.1	52.2	12.2	9.7	11.5	11.3	14.1	11.8
06WA-458.14	4760	4000	5780	4230	5520	4860	49.1	48.1	53.1	47.0	50.7	49.6	12.8	11.5	11.8	13.0	14.4	12.7
05WA-316.K	5510	3910	5370	4510	4910	4840	48.4	46.5	52.0	45.6	50.8	48.7	12.4	11.4	11.3	12.8	14.5	12.5
2004NZ151	5180	2910	5660	4240	6110	4820	46.9	43.2	52.0	45.3	48.0	47.1	12.5	12.5	12.3	13.3	14.6	13.0
SPAULDING	5230	3350	5760	3920	5580	4770	51.8	47.3	54.0	48.6	52.2	50.8	11.8	10.7	11.5	11.7	13.8	11.9
TETONIA	4690	3130	5920	4100	5950	4760	50.0	43.5	52.5	46.7	52.6	49.1	12.1	12.2	11.6	12.3	14.9	12.6
05WA-316.99	5230	3690	5250	4220	5250	4730	48.5	44.6	51.8	46.2	49.9	48.2	11.8	10.9	11.3	11.5	14.4	12.0
BARONESSE	4550	2980	5640	4180	6230	4720	48.7	44.2	52.1	45.9	51.1	48.4	12.9	13.3	11.7	13.7	14.5	13.2
05WA-329.49	5080	3970	5110	4530	4860	4710	52.6	48.7	53.5	48.9	53.4	51.4	12.2	12.0	12.2	12.1	15.3	12.8
04WA-113.22	5050	3710	5100	4410	5160	4690	50.9	46.8	53.1	47.8	51.8	50.1	12.3	12.3	11.7	13.1	15.2	12.9
06WA-426.49	4550	3650	5610	4300	4960	4610	47.6	43.9	52.0	44.3	50.5	47.7	12.6	12.3	11.8	13.0	14.8	12.9
06WA-423.21	4540	3530	5570	4120	5100	4570	48.4	43.5	51.0	44.7	50.0	47.5	12.6	12.6	11.5	13.2	15.1	13.0
RADIANT	4740	3330	5070	4250	4930	4460	49.8	44.2	52.1	47.2	51.0	48.9	12.4	12.6	11.3	12.6	14.6	12.7
BOB	4350	3450	4790	4370	5250	4440	51.1	49.2	52.8	49.8	53.1	51.2	13.1	11.9	11.8	13.1	14.8	12.9
WAS 1	4840	3420	5000	4250	4540	4410	48.9	44.8	51.4	45.2	50.5	48.2	12.9	13.0	12.6	13.7	15.9	13.6
06WA-426.42	4460	3370	5120	3770	5180	4380	47.9	43.4	51.8	44.1	50.3	47.5	13.1	12.6	12.1	13.6	14.8	13.2
06WA-406.28	4300	3040	4690	4310	5300	4330	45.4	42.9	49.6	44.0	48.7	46.1	13.2	12.5	11.5	12.9	14.7	13.0
06WA-421.23	4040	3020	5090	4070	4610	4170	46.2	43.0	49.6	44.1	50.3	46.6	13.1	12.2	12.9	12.9	15.4	13.3
07MB-390	4450	3000	4350	3680	5060	4110	48.7	40.8	51.0	45.7	50.4	47.3	12.9	13.5	12.6	13.1	15.9	13.6
CDC MEREDITH	4120	3040	4770	3890	4750	4110	46.2	41.4	50.1	43.2	48.4	45.9	12.7	12.9	11.8	13.0	14.9	13.1
HARRINGTON	3710	3060	4370	3930	5200	4050	46.7	43.1	51.2	45.5	49.2	47.1	13.1	12.8	12.4	13.6	15.2	13.4
PINNACLE	4480	3230	4640	4120	3690	4030	51.6	50.0	52.8	49.7	53.0	51.4	11.6	10.9	11.4	11.2	12.2	11.5
06WA-406.9	3940	2160	4760	3990	5100	3990	45.1	39.2	49.6	43.8	50.0	45.5	13.4	13.0	11.5	13.6	15.5	13.4
HAXBY	3790	3490	4040	3930	4250	3900	53.0	49.5	54.3	49.1	54.1	52.0	12.4	11.4	11.9	13.0	14.4	12.6
AC METCALFE	3860	3010	4090	3750	4680	3880	48.6	44.2	51.3	45.1	49.6	47.8	13.0	12.4	12.2	14.0	14.9	13.3
CDC COPELAND	3180	1980	4960	3920	5260	3860	47.3	41.2	51.0	44.4	50.9	47.0	13.0	12.9	11.5	14.0	14.6	13.2
BENTLEY	3570	2710	3760	3830	4360	3650	47.8	41.5	51.0	46.6	50.7	47.5	12.8	13.2	11.8	12.1	14.6	12.9
2-Row Hulless																		
MERESSE	4760	3590	3740	3570	5440	4220	60.9	59.5	60.4	56.6	60.9	**59.7**	12.5	12.6	13.7	13.6	16.4	**13.8**
WAS 4	4470	3380	4360	3840	4520	4114	59.3	56.5	61.0	50.7	58.1	57.1	11.9	11.9	11.8	13.8	15.6	13.0
WAS 3	3940	3210	4560	3850	4060	3924	59.7	57.1	59.8	53.5	58.3	57.7	12.6	11.9	11.4	14.3	16.5	13.3
CLEARWATER	3390	2650	4460	3500	4650	3730	59.4	54.8	59.7	56.0	56.2	57.2	13.2	13.5	12.6	14.1	16.7	**14.0**
CV (%)	8	14	7	8	12	10	1.3	4.6	1.1	3.5	1.7	2.7	3.2	8.3	3.3	7.6	3.0	5.5
LSD (0.10)	490	630	490	460	850	263	0.9	2.9	0.8	2.3	1.2	0.8	0.6	1.4	0.5	1.4	0.6	0.4
Average	4590	3360	5050	4090	5230	4460	50.4	46.6	52.9	47.4	51.9	49.8	12.6	12.3	11.9	13.1	14.9	12.9
Highest	5940	4360	6240	4720	7020	5420	60.9	59.5	61.0	56.6	60.9	59.7	13.4	13.5	13.7	14.3	16.7	14.0
Lowest	3180	1980	3740	3500	3690	3650	45.1	39.2	49.6	43.2	48.0	45.5	11.6	9.7	11.0	11.2	12.2	11.5

2010 WSU Spring Barley Trial Summary
Precipitation Zone 16”-20” – Preliminary Data

1. Spring barley grain yield across five locations in the 16”-20” precipitation zone averaged 4460 pounds/acre, 60 pounds/acre higher than the 2009 average. These trials were analyzed as Alpha Lattice designs that overall helped to account for within replication variation and reduced LSD and CV values. The highest value and other values within the LSD range are shown in bold. Lenetah was the highest yielded named variety across locations and entries.
2. Test weight averaged 49.8 lb/bu across locations and entries, and was 1.4 lb/bu lower than 2009. Grain protein averaged 12.9%.