

2013 WSU Variety Testing Hard Winter Wheat Trial, Lamont

Variety Name <i>*Hard White Italicized</i>				2013					
	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE	LODGING (%)
WA 8119		116	99	82	55.9	12.6	34	155	0
<i>OR2080236H</i>			107	77	56.4	13.5	30	156	2
<i>WA 8158</i>			87	77	57.5	13.6	36	154	0
LCS Colonia				73	51.5	13.5	27	154	0
Eltan (SWW Check)	83	86	80	72	56.0	12.0	35	156	7
WA 8181				72	56.5	12.6	36	157	8
WA 8156			93	71	55.9	13.8	33	155	0
NSA06-4663				70	53.9	12.9	27	151	0
Keldin				70	58.5	13.6	30	152	0
WA 8179				69	57.8	13.8	39	152	10
Bauermeister	84	86	76	69	56.2	12.8	34	157	20
<i>WA 8159</i>			87	67	55.7	13.4	34	155	3
DAS 2				65	57.7	14.2	37	151	0
Boundary	99	93	86	64	57.1	13.6	32	154	0
Farnum	81	84	76	64	55.5	13.5	39	156	13
<i>OR2080229H</i>			93	63	56.0	14.4	30	154	0
DAS 1				63	56.5	14.2	34	150	0
LCS-Azimut		98	96	63	53.3	13.3	28	152	0
Finley	84	86	78	62	59.2	13.3	39	150	30
Norwest 553	96	111	91	62	57.1	14.2	26	153	0
JC1103				61	57.0	14.2	30	154	3
WA 8180				61	56.9	12.4	43	154	38
<i>JC1101</i>				61	58.0	13.8	28	153	0
<i>OR2080227H</i>			94	60	56.2	12.0	33	153	0
Sprinter (WA 8118)		88	83	60	57.2	13.7	35	151	3
<i>OR2080156H</i>		94	89	60	55.9	14.8	32	154	0
ID0816			79	59	56.8	13.3	36	155	0
WA 8157			88	58	57.5	13.9	30	153	0
WA 8178				58	55.5	12.8	39	159	20
AP503CL2				57	61.0	14.6	29	150	0
Whetstone				56	58.9	14.7	34	151	0
<i>UI Silver</i>	93	92	81	55	58.6	14.2	36	153	2
UI SRG		84	68	54	56.9	14.5	33	153	0
WB-Arrowhead				53	56.7	13.6	33	154	0
JC1102				52	57.5	14.0	31	153	0
Genesis				32	53.7	15.3	25	152	0
C.V. %	14	14	12	8	1.3	3.8	5	1	232
LSD (.10)	6	7	7	6	0.8	0.5	2	2	11
Average	88	90	86	63	56.6	13.6	33	154	4
Highest	99	116	107	82	61.0	15.3	43	159	38
Lowest	81	69	68	32	51.5	12.0	25	150	0

Lamont Hard Winter Wheat – Preliminary Data

1. Grain yield in the 2013 Lamont hard winter wheat trial averaged 63 bushels/acre, 25 bushels/acre less than the 5-year average for this location. The Lamont nursery was located about 6 miles southeast of the town of Lamont, WA (Gil White, Cooperator).
2. This nursery was seeded on 13 September, 2012 following fallow. Seed was placed at an 85#/acre seeding rate using a double-disc plot drill set on 6-inch spacing. Base fertilizer was 70#N/acre pre-plant applied. Based on a spring soil test showing 187 lbs./acre available N, 58#/acre additional N was applied for hard wheat protein based on expected yields. Fall seeding conditions were dry and variable and variable stands were established that continued through harvest.
3. Yields ranged from 32 to 82 bushels/acre. All yield values within the 10% LSD range of the highest yield are shown in bold and this included 3 of the 36 entries in this trial. 'LCS Colonia' was the highest yielding named entry in the trial and 'Norwest 553' was highest yielding in the 5-year average at this site. There was a low amount of stripe rust potential at this location and fungicide was applied once with the herbicide application. Due to variation in establishment and low overall yield levels, results from trial should be used in limited support of other data that is more typical of this rainfall zone.
4. Test weights were low averaging 56.6 lbs./bu and ranged from 51.5 to 61.0 lbs./bu. Grain protein averaged 13.6% with a range of 12.0 to 15.3%. Plant height averaged 33 inches and there was lodging by prone varieties.