

## 2013 WSU Variety Testing SW Winter Wheat Trial, Creston

Variety Name <i>*Club Italicized</i>	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2013					
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE	LODGING (%)
<i>Bruehl</i>	121	116	103	122	57.9	10.6	39	159	35
JC1108				122	58.8	8.7	39	158	3
Bobtail (OR0807P94)			99	118	59.0	11.2	35	156	2
ARS-Amber		115	102	118	60.2	10.0	37	158	0
WA 8151			102	117	59.7	9.3	36	158	0
Masami	120	111	99	117	58.7	9.5	39	159	0
WA 8155			97	116	60.3	9.0	39	158	17
<i>ARS010780-3C</i>			98	116	60.1	11.1	39	159	18
Eltan	112	107	98	114	59.5	8.4	38	159	40
Kaseberg (OR2071628)		109	96	114	59.5	9.8	33	155	0
ARS010729-1L				113	62.5	9.1	32	157	0
Mary	114	115	96	113	60.4	10.6	36	155	0
Xerpha	126	117	100	112	60.2	10.3	38	158	0
WA 8170				112	60.1	9.8	38	155	0
03-29902A				112	59.7	10.1	35	158	7
LWW10-1018				112	58.0	10.2	36	159	0
WA 8143		109	91	112	60.3	10.6	41	158	40
WA 8152			97	111	60.6	9.7	39	156	8
ORCF-103	110	108	97	110	60.1	10.7	38	159	0
WB-Junction				108	60.9	9.5	35	151	5
WA 8169				108	59.4	9.3	37	157	0
Madsen	106	100	90	107	59.3	11.3	35	159	0
<i>4J071246-1C</i>				107	59.0	10.0	38	158	2
Otto	118	107	91	107	59.5	8.8	40	159	37
Puma (WA 8134)		113	94	107	60.0	10.7	39	157	3
Eltan/Tubbs 06	116	103	95	107	59.2	9.6	40	157	27
<i>Cara</i>	108	105	91	106	58.9	10.2	35	160	0
<i>ARS-Crescent</i>		103	97	106	59.2	9.8	37	160	3
02-10606A				105	59.5	9.2	35	159	0
WA 8153			93	105	59.9	10.8	38	156	0
LWW-04-4009			92	104	61.0	9.7	34	159	0
<i>Coda</i>	111	107	89	104	61.7	11.4	38	158	42
Tubbs 06	116	108	97	104	58.5	11.3	39	157	0
WA 8171				104	59.9	8.6	39	155	13
<i>ARS98X402-1C</i>				104	60.9	9.6	36	159	7
OR2080924				103	57.8	9.1	34	153	0
<i>ARS-Chrysal</i>		105	89	103	60.7	9.3	37	157	3
Trifecta				101	61.0	11.4	34	155	0
ARS-Selbu (ARS970161-3L)		108	90	100	61.7	9.3	37	158	0
Stephens	104	103	89	100	60.3	11.0	33	154	0
<i>ARS97230-6C</i>				99	60.6	10.2	33	155	0
<i>ARS990077-1C</i>			90	98	59.8	8.9	36	159	0
99-06202A				97	59.7	9.0	36	157	0
Skiles	107	103	82	97	60.2	10.5	34	158	0
<i>ARS010746-2C</i>				93	58.4	12.2	32	160	0
OR2071071 (Rosalyn)			90	92	57.3	9.4	32	156	0
WB-528	103	101	84	87	60.7	10.5	34	156	17

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE	LODGING (%)
C.V. %	11	8	7	7	1.0	11.7	4	1	144
LSD (.10)	5	5	5	7	0.6	1.2	2	2	10
Average	113	108	94	107	59.8	10.0	36	157	7
Highest	126	117	103	122	62.5	12.2	41	160	42
Lowest	103	100	82	87	57.3	8.4	32	151	0

### Creston Soft White Winter Wheat - Preliminary Data

1. Grain yield in the 2013 Creston soft white winter wheat trial averaged 107 bushels/acre, 6 bushels/acre less than the 5-year average for this location. The Lamont nursery was located about five miles north of Creston, WA (J. Krause, 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 80#N/acre pre-plant applied. Fall seeding conditions were dry but stands established well after rains.
3. Yields ranged from 87 to 122 bushels/acre. All yield values within the 10% LSD range of the highest yield are shown in bold and this included 8 of the 47 entries in this trial. The WSU-ARS club variety `Bruehl' was the highest yielding named entry in the trial and `Xerpha' was highest yielding in the 5-year average at this site. It is probable that some plants at this site experienced damaging frost. There was a low amount of stripe rust potential at this location and fungicide was applied once with the herbicide application.
4. Test weights averaged 59.8 lbs./bu and ranged from 57.3 to 62.5 lbs./bu. Grain protein averaged 10.0% with a range of 8.4 to 12.2%. Plant height averaged 36 inches and there was moderate lodging of prone varieties.