

2011 WSU Variety Testing SW Winter Wheat Trial, Creston

Variety Name <small>*Club Italized</small>	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2011			
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT
OR2040726 (Mary)		126	131	154	63.0	9.8	42
OR2070385				154	60.7	10.4	44
Xerpha	140	143	145	152	61.8	10.0	44
WA 8134				150	61.9	10.4	45
Cara +25%			133	147	60.9	9.8	41
WA 8116			137	145	61.4	10.7	40
WA 8143				145	59.7	9.4	46
Bruneau	132	136	138	144	61.7	8.4	44
Skiles		123	134	144	62.1	10.9	40
Coda	120	125	130	143	63.7	9.6	46
ARS960277L (ARS-Amber)			135	143	60.8	9.0	46
ARS970161-3L				143	62.9	10.4	43
ARS97230-6C				142	60.6	9.4	40
Bruehl	129	133	138	140	57.3	10.1	46
WA 8092		137	130	140	60.1	11.2	43
ARS98X402-1C				140	60.5	10.0	46
WA 8136				140	59.1	10.5	41
96-16702A				140	61.3	9.8	47
Rod	128	130	130	139	59.3	10.2	41
03PN107#3				139	60.8	9.6	41
Chukar +25%			131	138	60.5	9.4	44
ARS970075-3C			136	137	61.5	10.3	48
Rod/Tubbs 06		131	132	137	59.0	11.6	45
OR2071628				137	59.4	8.7	41
AP Badger				137	60.2	10.1	37
Masami	129	135	134	136	58.8	11.0	44
WB-528	116	116	121	136	63.0	9.7	42
Rod/WB-528				136	60.5	10.6	43
Brundage 96	133	131	132	135	61.2	9.8	41
Finch	126	133	131	134	61.2	9.4	44
WA 8114			131	134	61.0	10.2	39
Cara	124	119	131	133	59.9	8.8	42
ORCF-102	123	123	132	133	61.7	9.6	43
Stephens	114	115	115	131	60.0	10.1	41
Madsen/Rod	123	124	122	130	60.6	9.8	43
UICF-Brundage	125	121	117	130	60.6	8.9	40
BZ6W02-616		111	114	130	62.6	8.9	42
WA 8144				130	61.9	11.1	48
Chukar	122	120	128	129	59.7	9.5	44
Lambert	116	116	118	129	60.4	9.8	46
AP Legacy		126	128	129	60.1	10.4	43
ID00-475-2DH			124	129	62.0	10.7	44
SY Ovation				129	61.6	9.6	40
Tubbs 06	124	128	125	128	59.3	11.1	45
ORCF-103	119	119	122	128	60.2	11.4	41
WA 8094		123	121	128	60.8	9.4	47

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT
Sunrise (Soft Red)			116	126	59.4	8.9	50
Bitterroot	117	118	118	124	61.8	10.4	45
Eltan	121	121	119	123	59.5	9.9	45
WA 8142				123	61.7	11.8	42
IDO663				122	60.7	9.7	40
WA 8135				121	61.3	10.1	46
Madsen	117	116	114	119	60.6	8.9	41
Legion		113	114	119	59.5	8.5	43
Eltan/Tubbs 06		130	120	119	59.5	10.2	45
ARS970163-4C			125	116	59.2	11.1	44
AP 700 CL	115	114	109	115	59.7	10.7	42
Goetze/Skiles			113	113	61.8	10.0	38
WA 8145				100	61.4	11.0	41
NSA06-2153A				38	59.9	12.3	32
C.V.	17	15	9	8	1.6	13.4	4
LSD	10	16	13	20	1.9	2.6	3
Average	123	124	126	132	60.7	10.1	43
Highest	140	143	145	154	63.7	12.3	50
Lowest	114	111	109	38	57.3	8.4	32

Creston Soft White Winter Wheat – Preliminary Data

1. Grain yield in the Creston soft white winter wheat trial averaged 132 bushels/acre, 9 bushels/acre more than the 5-year average. The Creston nursery was located about five miles north of Creston, WA (J. Krause, cooperator).
2. This nursery was seeded on 9 September, 2010 following summer 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 fall applied. Fall seeding conditions were favorable and emergence and stand establishment were good.
3. Yields ranged from 38 to 154 bu/ac. All yield values within the 10% LSD range of the highest yield are shown in bold. Mary was the highest yielding entry in the trial, and 31 of the 60 entries in the trial were within the top LSD range. Xerpha was the top yielding entry across five years of results at this location. Stripe rust potential was high at this location and fungicide was applied two times on 17 May and 11 June. Fungicide applications were effective and there was little stripe rust impact at this location. The Lattice design was 159% efficient compared to an RCBD.
4. Test weights were good with an average of 60.7 lb/bu, and ranged from 57.3 to 63.7 lb/bu. Grain protein averaged 10.1% with a range of 8.4 to 12.3%. Plant height averaged 43 inches and there was no lodging.