

2012 WSU Variety Testing SW Winter Wheat Trial, Ritzville

Variety Name <i>*Club Italicized</i>	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2012					
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE	LODGING (%)
Rod	62	78	87	89	59.6	7.7	34	146	0
Xerpha	64	77	84	80	60.4	7.4	38	146	0
ORCF-102	58	71	77	76	60.4	8.7	37	144	0
ARS970161-3L			77	75	60.9	7.8	36	146	0
<i>Chukar</i>	57	72	76	75	58.0	6.9	35	147	0
ARS970161-2L				75	61.2	8.4	36	147	0
Otto (WA 8092)		74	78	74	60.1	7.9	39	148	3
ARS-Amber (ARS960277L)	61	74	78	74	59.3	7.9	33	146	0
WA 8116		70	78	74	60.9	8.1	31	147	0
<i>ARS-Chrysal (ARS970075-3C)</i>	58	70	74	74	59.7	7.9	35	147	0
WA 8136			76	74	59.8	7.8	34	150	0
Madsen/Rod	58	71	76	73	59.8	8.4	35	146	0
OR08047P94				73	57.9	7.3	35	146	0
WA 8134			77	73	59.3	7.8	37	143	0
Eltan/Tubbs 06	60	73	78	72	60.0	8.1	39	143	2
OR2701071				72	57.6	7.2	35	146	0
Masami	62	74	73	71	60.1	7.6	36	147	0
Goetze/Skiles		65	72	71	59.9	8.5	34	142	0
<i>Bruehl</i>	61	71	75	71	58.9	7.7	38	149	0
OR2071628			74	70	58.8	8.5	35	144	2
WA 8152				70	61.1	8.1	40	142	10
ORCF-103	56	68	72	70	59.3	7.9	34	147	0
<i>ARS010762-2C</i>				70	58.8	8.4	37	147	0
<i>Coda</i>	55	68	73	69	61.0	8.6	37	148	0
Tubbs 06	55	68	75	70	59.7	7.2	39	142	0
Skiles	56	68	74	70	61.4	8.3	35	145	0
ARS970277L reselect				69	58.7	6.9	34	145	0
WA 8137				69	61.4	7.8	36	149	0
WB-528	53	64	71	68	60.7	8.1	36	142	0
Eltan	61	71	72	68	59.4	7.9	37	149	17
Mary (OR2040726)		70	76	68	59.9	8.7	34	144	0
<i>ARS-Crescent (ARS970163-4C)</i>		75	72	67	58.9	6.9	35	147	0
<i>Cara</i>	58	71	75	67	57.5	7.1	31	146	0
WA 8154				66	59.8	8.6	37	145	0
OR2070870				65	59.6	8.6	33	146	0
WA 8142			68	65	61.2	8.7	37	143	0
Madsen	54	66	67	64	59.8	8.6	34	145	0
WA 8135			71	64	61.4	9.2	38	148	0
<i>ARS010780-3C</i>				64	59.5	7.7	36	148	0
Stephens	49	61	68	63	59.0	8.3	34	142	0
WA 8155				62	60.5	7.5	37	149	15
IDO663			68	61	59.5	8.3	32	142	0
WA 8151				61	59.5	6.7	34	145	0
LWW-04-4009				58	60.9	7.5	33	147	0
WA 8153				58	60.6	8.6	37	145	0
<i>ARS990077-1C</i>				57	58.6	6.9	33	148	0
WA 8143			70	56	60.4	7.5	36	148	3
LCS-Artdeco (NSA06-2153A)			45	27	57.4	10.5	31	141	0

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE	LODGING (%)
C.V. %	10	10	10	13	0.8	9.2	4	1	203
LSD (.10)	3	4	6	9	0.5	0.8	1	1	2
Average	58	70	74	68	59.8	8.0	35	146	1
Highest	64	78	87	89	61.4	10.5	40	150	17
Lowest	49	61	45	27	57.4	6.7	31	141	0

Ritzville Soft White Winter Wheat - Preliminary Data

1. Grain yield in the 2012 Ritzville soft white winter wheat trial averaged 68 bushels/acre, 10 bushels/acre higher than the 5-year average. The Ritzville nursery was located about four miles west of Ritzville, WA (Ron Jirava, cooperator).

2. This nursery was seeded on 12 September, 2011 following fallow. Seed was placed at a 45#/acre seeding rate using a deep-furrow plot drill set on 15-inch spacing. Base fertilizer was 60#N/acre pre-plant applied. Fall seeding conditions were good as were emergence and stand establishment.

3. Yields ranged from 27 to 89 bushels/acre. All yield values within the 10% LSD range of the highest yield are shown in bold. `Rod' and `Xerpha' were the highest yielding named entries in the trial, were the only 2 of the 48 entries within the top LSD range. Xerpha was the top yielding entry across five years of results at this location. Stripe rust potential at this location was slight and fungicide was only applied for stripe rust control 10 April at herbicide application timing.

Test weights averaged 59.8 lbs./bu, and ranged from 57.4 to 61.4 lbs./bu. Grain protein averaged 8.0% and ranged from 6.7 to 10.5%. Plant height averaged 35 inches and there was a little lodging.