

2011 WSU Variety Testing SW Winter Wheat Trial, Ritzville

Variety Name *Club Italized	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2011					
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	LODGING (%)	PLANT HT	HEAD DATE
BZ6W02-616		71	80	92	61.2	9.8	0	37	179
Xerpha	59	70	76	88	60.8	9.2	0	41	183
Rod	53	63	73	85	59.8	8.9	0	39	183
OR2040726		64	71	84	60.7	9.2	0	35	179
Cara	53	65	73	83	58.7	9.7	0	36	182
ARS960277L			74	83	59.6	9.3	0	39	182
Eltan/Tubbs 06		67	73	83	60.0	8.5	0	40	182
WA 8116			69	83	60.9	8.6	0	37	184
WA 8143				83	60.3	9.6	0	41	184
Rod/WB-528				83	60.5	9.5	0	38	179
Finch	54	63	68	81	61.9	8.8	0	41	184
Rod/Tubbs 06		63	71	81	59.5	9.5	0	40	181
WA 8092		68	74	81	59.3	10.1	0	39	185
WA 8114			68	81	60.6	9.6	0	38	179
WA 8134				81	59.0	11.0	0	40	183
Tubbs 06	49	60	67	80	59.6	9.7	0	41	181
ARS98X402-1C				80	60.4	9.2	0	37	183
OR2070385				80	59.8	8.5	0	38	181
Bruehl	56	67	72	79	58.2	9.1	0	41	184
Madsen/Rod	52	63	70	79	59.5	10.2	0	38	184
WA 8135				79	60.9	11.0	0	43	184
WA 8136				79	58.8	9.3	0	38	184
SY Ovation				79	61.2	9.5	0	38	181
Skiles		60	67	78	60.6	10.7	0	37	180
AP Legacy		67	72	78	60.2	9.7	0	40	182
ARS970161-3L				78	61.2	10.9	0	40	182
OR2071628				78	59.8	9.4	0	38	180
Coda	49	60	67	77	62.6	9.2	0	41	181
Eltan	58	70	72	77	58.2	11.5	0	40	185
ORCF-102	53	62	68	77	60.9	10.8	0	40	182
UICF-Brundage	53	63	70	77	60.0	8.6	0	36	181
Chukar	51	60	70	76	58.3	10.1	0	40	183
Brundage 96	54	64	72	76	60.3	8.2	0	36	179
ARS970163-4C			79	76	59.7	9.7	0	39	184
Cara +25%			67	76	58.9	7.6	0	36	183
IDO663				76	60.2	9.7	0	36	180
03PN107#3				76	59.9	9.0	0	38	183
Masami	58	69	75	75	58.6	10.5	0	39	184
WB-528	48	57	63	75	61.0	8.5	0	38	179
ORCF-103	53	62	66	75	59.8	10.2	0	38	185
AP 700 CL	50	59	66	75	60.9	9.2	0	39	179
ARS970075-3C			68	75	60.8	9.3	0	39	183
WA 8094		61	64	74	60.3	10.2	0	42	184
Sunrise (Soft Red)			70	74	59.6	9.3	0	42	184
ARS97230-6C				74	58.1	10.8	0	34	183
Stephens	44	54	60	73	60.4	9.8	0	35	179

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Legion		65	69	73	57.1	11.2	0	39	182
Chukar +25%			69	73	58.6	9.8	0	38	183
ID00-475-2DH			65	73	61.3	11.1	0	39	184
96-16702A				73	60.7	9.3	0	40	181
WA 8145				73	60.8	9.5	0	39	179
Goetze/Skiles			61	72	60.6	11.0	0	37	180
WA 8142				72	61.7	9.4	0	39	180
Madsen	50	61	67	71	61.0	9.3	0	38	183
Bruneau	49	60	64	70	60.3	8.2	0	37	183
WA 8144				70	59.5	10.6	0	40	185
Lambert	47	55	60	69	59.8	10.8	0	41	181
AP Badger				68	58.8	8.9	0	35	180
Bitterroot	48	60	65	66	61.4	8.3	0	38	182
NSA06-2153A				62	59.4	10.1	0	33	180
C.V.	16	12	11	8	1.3	12.3	0	3	0
LSD	5	6	9	11	1.5	2.3	0	2	2
Average	52	63	69	77	60.0	9.6	0	39	182
Highest	59	71	80	92	62.6	11.5	0	43	185
Lowest	44	54	60	62	57.1	7.6	0	33	179

Ritzville Soft White Winter Wheat – Preliminary Data

1. Grain yield in the Ritzville soft white winter wheat trial averaged 77 bushels/acre, 25 bushels/acre higher than the 5-year average. Higher yields were enabled by favorable spring precipitation and temperatures. The Ritzville nursery was located about four miles west of Ritzville, WA (R. Jirava farm).
2. This nursery was seeded on 3 September, 2010 following summer 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. Fall seeding conditions were favorable and emergence and stand establishment were very good.
3. Yields ranged from 62 to 92 bu/ac. All yield values within the 10% LSD range of the highest yield are shown in bold. Xerpha was the highest yielding named cultivar in the trial, but 15 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. The cool and wet spring conditions along with local inoculum sources created early, high levels of stripe rust potential at this location. Fungicide was applied 30 April and again 30 May and controlled stripe rust across the trial. The Lattice design was 171% efficient compared to an RCBD.
4. Test weights were good with an average of 60.0 lb/bu. Grain protein averaged 9.6% with a range of 7.6 to 11.5% and was highly variable across the trial. Plant height averaged 39 inches and there was no lodging.