

2011 WSU Variety Testing SW Winter Wheat Trial, Reardan

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	HEAD DATE	LODGING (%)
WA 8134				174	61.3	11.4	48	173	0
SY Ovation				170	61.7	10.8	44	171	0
Cara +25%			154	162	60.9	11.8	46	173	0
96-16702A				162	62.6	10.2	47	170	0
Chukar	109	131	151	160	61.2	11.5	46	174	10
ARS970161-3L				160	62.9	11.5	45	174	3
Cara	109	130	147	158	60.6	12.0	47	173	0
ARS960277L (ARS-Amber)			152	158	61.6	10.7	47	173	0
Chukar +25%			151	157	61.6	11.0	48	174	1
ARS98X402-1C				157	62.1	11.2	46	173	22
WA 8116			146	154	61.6	10.8	44	178	27
03PN107#3				154	61.8	10.1	43	172	13
Bruehl	106	127	141	152	58.9	11.7	46	175	27
Brundage 96	108	124	142	152	61.1	11.1	45	171	0
ARS970075-3C			151	151	62.6	11.1	49	173	10
Coda	103	122	142	148	63.7	12.1	47	173	30
UICF-Brundage	112	131	145	146	60.9	11.2	43	174	0
ARS970163-4C			149	146	62.1	10.2	46	175	3
OR2070385				146	60.7	11.2	45	172	0
WA 8143				145	61.2	10.8	45	175	17
OR2071628				144	60.0	10.7	43	173	0
Finch	108	125	137	143	62.6	10.8	46	175	13
Bitterroot	103	124	143	143	62.3	11.9	49	174	0
Madsen/Rod	108	128	142	143	60.9	11.4	45	173	0
OR2040726 (Mary)		123	137	143	61.5	11.4	43	171	0
Madsen	100	119	134	142	61.4	11.4	49	174	3
ARS97230-6C				142	61.8	11.0	45	174	0
Rod/WB-528				142	61.4	11.1	42	170	0
WA 8114			129	141	60.5	10.6	42	168	43
WA 8136				141	59.3	10.6	43	178	0
Rod	102	122	142	140	60.8	10.0	42	173	3
Rod/Tubbs 06		126	141	140	60.3	10.9	47	174	0
Sunrise (Soft Red)			141	140	60.6	10.0	49	171	0
Goetze/Skiles			132	140	61.1	11.8	42	170	0
WA 8135				140	62.4	11.8	48	178	0
Bruneau	100	120	137	139	61.6	10.9	47	173	0
Skiles		119	131	139	61.7	11.9	41	173	0
WA 8142				138	62.0	11.4	44	171	0
WA 8092		123	137	135	61.0	10.9	43	177	0
ORCF-102	106	125	134	133	60.6	10.8	45	173	0
Masami	103	121	134	132	60.4	9.9	43	175	0
Legion		123	134	132	59.8	10.6	45	173	0
BZ6W02-616		108	121	132	62.3	11.1	42	169	13
Xerpha	110	129	143	131	61.8	11.6	46	176	0
NSA06-2153A				129	59.1	10.7	39	168	0
WB-528	93	111	124	127	62.2	12.2	45	170	0

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE	LODGING (%)
WA 8094		119	131	127	62.0	11.3	49	177	10
ID00-475-2DH			134	127	62.1	10.3	42	174	0
AP Legacy		120	132	126	60.3	10.4	48	174	0
ORCF-103	101	118	128	125	60.9	11.0	40	175	0
Eltan/Tubbs 06		119	133	125	60.4	10.8	45	173	0
WA 8145				122	60.2	11.7	46	172	0
Lambert	96	111	124	121	60.5	10.6	46	171	0
Eltan	101	119	127	117	61.0	10.4	43	176	30
AP Badger				115	58.9	11.6	40	172	0
AP 700 CL	91	109	116	113	59.9	11.1	43	172	0
Tubbs 06	99	120	128	110	59.6	10.3	45	172	0
WA 8144				105	62.0	11.8	49	177	10
IDO663				101	59.7	10.8	40	169	0
Stephens	86	101	109	99	59.7	11.3	41	169	0
C.V.	15	11	9	9	0.9	6.9	4	1	287
LSD	8	12	14	25	1.1	1.5	4	2	27
Average	103	121	137	139	61.1	11.1	45	173	5
Highest	112	131	154	174	63.7	12.2	49	178	43
Lowest	86	101	109	99	58.9	9.9	39	168	0

Reardan Soft White Winter Wheat – Preliminary Data

1. Grain yield in the Reardan soft white winter wheat trial averaged 139 bushels/acre, 36 bushels/acre more than the 5-year average. The Reardan nursery was located about 6 miles west of Reardan, WA (Hal Johnson, cooperator).
2. This nursery was seeded on 21 September, 2010 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 fall applied. Fall seeding conditions were favorable and emergence and stand establishment were good.
3. Yields ranged from 99 to 174 bu/ac. All yield values within the 10% LSD range of the highest yield are shown in bold. SY Ovation was the highest yielding named entry in the trial, and 15 of the 60 entries in the trial were within the top LSD range. UICF Brundage was the top yielding entry across five years of results at this location. There was stripe rust at this location and a fungicide was applied to the surrounding field via aircraft in early July with an undetermined amount on the plot area. It appears that there was not high rust impact on yield at this location. The Lattice design was 175% efficient compared to an RCBD.
4. Test weights were good with an average of 61.1 lb/bu, and ranged from 58.9 to 63.7 lb/bu. Grain protein averaged 11.1% with a range of 9.9 to 12.2%. Plant height averaged 45 inches and there was minor lodging from none to 43%.