

2011 WSU Variety Testing SW Winter Wheat Trial, Dusty

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
Bruehl	--	116	128	137	59.9	11.6	0	44	187
Skiles	--	126	141	131	62.0	12.2	0	41	182
ARS970163-4C	--		135	128	62.2	10.6	0	43	186
Chukar +25%	--		142	127	61.5	10.4	0	46	185
ARS98X402-1C	--			127	62.6	10.8	0	44	185
ARS97230-6C	--			126	62.2	10.1	0	42	184
WA 8114	--		127	124	62.1	11.0	0	41	180
Xerpha	--	112	115	121	61.9	11.1	0	43	186
Cara +25%	--		134	121	61.4	11.1	0	43	185
Chukar	--	117	127	118	61.6	10.9	0	43	186
Cara	--	129	145	118	61.1	10.7	0	43	185
Finch	--	109	120	118	62.8	11.2	0	42	187
WA 8092	--	103	105	118	61.1	11.1	0	43	186
Eltan	--	100	105	117	62.2	10.4	0	43	186
ARS970075-3C	--		127	117	62.9	11.8	0	42	184
Coda	--	106	120	116	63.6	11.9	0	45	184
WA 8116	--		122	115	62.6	10.9	0	37	185
03PN107#3	--			115	61.9	11.3	0	39	185
OR2070385	--			113	61.9	11.3	0	40	183
Rod	--	107	115	112	60.8	11.0	0	38	186
ARS960277L	--		127	111	61.8	11.0	0	41	184
SY Ovation	--			110	62.1	11.2	0	42	183
ORCF-102	--	117	128	109	61.7	11.4	0	42	184
WA 8094	--	99	107	108	62.5	11.5	0	44	187
ARS970161-3L	--			108	62.5	12.1	0	39	185
WA 8134	--			107	62.0	11.6	0	41	184
WA 8143	--			107	62.0	11.2	0	44	186
Rod/Tubbs 06	--	104	114	105	60.5	11.3	0	42	183
WA 8135	--			104	62.5	11.8	0	43	186
Madsen/Rod	--	111	123	103	60.8	11.7	0	41	186
Rod/WB-528	--			103	61.6	11.6	0	41	180
ID00-475-2DH	--		102	102	62.7	11.7	0	39	186
AP Badger	--			102	60.8	11.2	0	38	181
ORCF-103	--	99	97	101	61.0	11.1	0	40	188
Goetze/Skiles	--		128	101	61.0	12.3	0	40	182
96-16702A	--			101	62.7	11.6	0	42	184
Brundage 96	--	106	122	98	61.2	11.2	0	41	181
WA 8144	--			98	62.5	12.0	0	49	187
Masami	--	102	111	97	61.0	10.9	0	41	187
UICF-Brundage	--	106	115	97	61.2	11.0	0	37	183
WA 8136	--			97	59.8	11.6	0	37	186
OR2071628	--			97	61.9	10.8	0	37	182
Eltan/Tubbs 06	--	100	105	96	61.1	11.0	0	42	183
OR2040726	--	110	128	96	61.3	11.5	0	38	181
NSA06-2153A	--			94	59.4	11.1	0	35	181
Sunrise (Soft Red)	--		88	90	61.4	10.8	0	45	186

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	LODGING (%)	PLANT HT	HEAD DATE
Tubbs 06	--	102	111	89	59.6	10.9	0	42	184
Legion	--	107	119	89	59.0	12.2	0	41	185
Madsen	--	105	118	88	61.4	12.3	0	37	184
WA 8142	--			88	61.8	12.0	0	38	182
WA 8145	--			88	60.2	12.1	0	41	181
BZ6W02-616	--	96	110	87	62.1	11.7	0	36	181
WB-528	--	95	111	85	62.3	12.4	0	37	182
Bitterroot	--	99	116	84	62.1	11.9	0	41	183
AP 700 CL	--	101	117	84	60.1	12.0	0	40	180
Lambert	--	93	102	83	61.2	11.2	0	41	183
AP Legacy	--	97	93	82	57.9	10.0	0	44	185
Bruneau	--	102	111	77	61.9	12.4	0	38	185
IDO663	--			73	59.5	11.9	0	38	181
Stephens	--	94	106	71	60.5	12.0	0	37	181
C.V.	--	13	12	9	0.7	3.3	0	5	1
LSD	--	12	15	19	0.8	0.7	0	4	2
Average	--	105	118	104	61.5	11.4	0	41	184
Highest	--	129	145	137	63.6	12.4	0	49	188
Lowest	--	93	88	71	57.9	10.0	0	35	180

Dusty Soft White Winter Wheat – Preliminary Data

1. Grain yield in the Dusty soft white winter wheat trial averaged 104 bushels/acre, equivalent to the 3-year average. The Dusty nursery was located about 10 miles northwest of Dusty, WA (Bob Morasch, cooperator).
2. This nursery was seeded on 29 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 75#N. Fall seeding conditions were favorable although the first attempt at seeding at this site was washed out by an intense rain event. Emergence and stand establishment were very good.
3. Yields ranged from 71 to 137 bu/ac. All yield values within the 10% LSD range of the highest yield are shown in bold. The club Bruehl was the highest yielding cultivar in the trial, but 12 of the 60 entries in the trial were within the top LSD range. Cara was the top yielding entry across three years of results at this location. Stripe rust potential was moderate at this location and no fungicides were applied to the trial. Stripe rust impact on yield is estimated to be 10% or more for susceptible entries. The Lattice design was 258% efficient compared to an RCBD.
4. Test weights were good with an average of 61.5 lb/bu. Grain protein averaged 11.4% with a range of 10.0 to 12.4%, plant height averaged 41 inches, and there was no lodging.