

2012 WSU Variety Testing SW Winter Wheat Trial, Dusty

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 (%)
Mary (OR2040726)	--	126	110	123	58.7	11.9	44	153	2
WA 8136	--		110	123	54.9	12.5	41	158	2
<i>ARS010780-3C</i>	--			120	60.6	11.4	45	157	23
OR2701071	--			117	55.2	12.4	43	154	12
OR08047P94	--			117	56.9	11.5	41	154	53
LCS-Artdeco (NSA06-2153A)	--		105	116	59.6	10.7	41	153	25
OR2070870	--			115	58.8	11.2	42	154	7
IDO663	--		91	110	57.9	11.2	41	153	40
WA 8151	--			109	57.7	10.7	45	155	28
WA 8142	--		97	105	59.3	13.1	43	154	33
<i>Cara</i>	--	132	111	104	59.1	11.3	45	153	70
WA 8135	--		104	104	59.4	13.7	48	157	55
<i>ARS-Crescent (ARS970163-4C)</i>	--	125	116	104	59.6	10.9	46	155	12
Masami	--	108	100	102	56.3	11.1	43	157	15
<i>ARS010762-2C</i>	--			101	59.2	12.2	48	154	47
Tubbs 06	--	108	94	100	55.2	11.5	47	154	2
ARS970161-2L	--			100	60.2	11.7	43	156	37
WA 8137	--			99	59.2	11.2	43	158	32
ARS970161-3L	--		103	99	59.2	13.4	43	155	48
Madsen	--	112	93	98	58.2	12.6	44	154	52
<i>Chukar</i>	--	117	107	97	58.9	12.6	46	154	80
Skiles	--	126	114	97	57.3	13.5	42	156	42
WA 8134	--		102	97	58.7	11.0	45	153	63
Goetze/Skiles	--	118	99	97	56.8	11.9	40	154	47
ARS970277L reselect	--			95	58.4	10.7	42	155	72
WA 8116	--	113	105	95	58.0	10.9	38	157	55
OR2071628	--		96	94	57.6	10.3	41	154	47
ORCF-102	--	117	102	94	57.8	11.5	47	153	53
WA 8152	--			94	58.0	11.8	47	155	88
Madsen/Rod	--	113	98	92	56.8	12.9	44	155	52
<i>ARS990077-1C</i>	--			92	58.4	12.4	44	155	77
WA 8153	--			92	57.8	11.5	46	153	85
Stephens	--	101	81	91	57.8	11.7	42	153	68
ARS-Amber (ARS960277L)	--	115	101	90	56.3	12.9	46	155	85
<i>Coda</i>	--	110	102	89	59.4	12.8	46	154	78
WB-528	--	103	87	88	59.0	11.9	43	153	65
<i>ARS-Chrysal (ARS970075-3C)</i>	--	113	101	85	58.7	11.6	45	154	85
WA 8154	--			85	57.1	11.9	44	154	87
Otto (WA 8092)	--	98	101	84	56.3	12.8	43	158	90
LWW-04-4009	--			83	56.8	11.9	42	156	92
Eltan/Tubbs 06	--	94	84	72	56.2	12.3	44	153	75
<i>Bruehl</i>	--	109	104	71	53.8	12.0	44	155	87
Rod	--	100	91	69	54.4	11.7	40	156	80
Xerpha	--	99	94	66	54.3	12.1	44	154	47
WA 8143	--		87	66	56.6	11.6	44	156	92
ORCF-103	--	86	82	64	54.9	11.2	42	155	65
WA 8155	--			63	57.1	11.6	43	155	91
Eltan	--	89	88	58	55.7	11.4	43	155	90

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C.V. %	--	11	11	13	2.0	10.6	5	0	42
LSD (.10)	--	7	8	13	1.2	1.3	2	1	24
Average	--	110	99	94	57.6	11.9	44	155	55
Highest	--	132	116	123	60.6	13.7	48	158	92
Lowest	--	86	81	58	53.8	10.3	38	153	2

Dusty Soft White Winter Wheat - Preliminary Data

1. Grain yield in the 2012 Dusty soft white winter wheat trial averaged 94 bushels/acre, 16 bushels/acre lower than the 5-year average yield. The Dusty nursery was located about 7 miles northwest of Dusty, WA (B. Morasch, cooperator).

2. This nursery was seeded on 16 September, 2011 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 75#N/acre applied pre-plant. Fall seeding conditions were good as were emergence and stand establishment.

3. Yields ranged from 58 to 123 bushels/acre. All yield values within the 10% LSD range of the highest yield are shown in bold. The newly released OSU variety `Mary' was the highest yielding entry in the trial, and there were 8 of the 48 entries within the top LSD range. The club `Cara' was the top yielding entry across three years of results at this location. This location is a no fungicide location. Stripe rust potential at this location was moderate and did impact yields of more susceptible entries. In addition, lodging occurred early after heading and influenced yields for high lodging entries. Both stripe rust and lodging contributed to variability across the trial.

4. Test weights were variable averaging 57.6 lbs./bu and ranged from 53.8 to 60.6 lbs./bu. Grain protein averaged 11.9% and ranged from 10.3 to 13.7%. Plant height averaged a high 44 inches. Lodging was widespread in this trial averaging 55% and ranged from 2% to 92% and had an impact on yield and test weights.