

2014 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)	2014					
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE	LODGING %
Bobtail		120	122	137	57.7	11.2	39	149	0
Skiles	121	108	114	134	60.2	11.8	40	150	0
Xerpha	107	102	120	132	60.0	11.4	42	151	2
WA 8169			118	130	58.6	11.6	41	150	0
<i>ARS010262-1C</i>				125	60.1	12.0	41	151	0
IDO1108DH			113	124	59.1	11.2	43	151	0
Eltan/Tubbs 06	98	93	104	121	59.1	11.6	41	150	2
IDN-02-29001A				120	60.0	12.6	42	149	0
IDN-01-10704A				120	59.3	11.4	41	149	0
Madsen	107	100	101	120	59.4	12.2	40	152	0
WA 8170			106	120	59.3	12.2	41	151	0
<i>Coda</i>	110	104	111	119	61.2	12.5	41	153	5
Puma		104	107	119	59.3	11.7	43	150	0
<i>Cara</i>	122	107	108	118	58.4	12.1	36	150	0
Tubbs 06	104	100	100	118	58.2	11.8	44	149	0
<i>ARS010679-1C</i>				118	58.6	12.3	42	151	0
OR2080641				118	58.6	11.8	40	149	0
WB-Junction			96	118	60.1	11.8	39	146	12
ARS-Selbu		106	110	118	59.8	12.3	39	151	0
<i>4J071246-1C</i>			104	117	58.6	12.3	38	152	0
ORCF-102				117	60.2	12.1	43	150	0
LWW10-1073				117	59.0	12.8	43	151	0
LWW12-7105				116	56.4	10.9	32	147	0
Masami	106	103	103	116	58.1	11.4	40	155	0
<i>ARS-Crescent</i>	119	108	110	115	59.0	11.8	39	153	0
ARS-Amber	110	99	104	115	58.4	11.9	38	152	0
Trifecta			94	114	60.9	12.1	39	148	0
<i>ARS010780-3C</i>		110	105	114	59.8	12.5	39	153	0
IDN-02-08806A				114	60.5	11.4	39	149	0
Stephens	97	92	92	113	58.4	11.9	39	148	0
Kaseberg		100	102	112	58.4	11.5	37	148	0
Eltan	94	88	102	112	59.2	11.5	41	154	27
<i>4J071366-1</i>				111	58.7	11.7	37	152	3
Rosalyn (OR2071071)		105	99	111	58.3	11.3	35	150	0
Otto	99	94	99	111	59.2	11.9	40	155	0
OR2090473				111	58.8	11.2	38	148	0
LCS-Biancor				109	58.2	11.1	34	148	0
<i>Bruehl</i>	107	93	104	109	57.9	12.4	37	153	0
WA 8199				108	57.7	11.9	38	155	0
ARS010729-1L			104	108	60.0	12.5	39	149	0
WA 8201				108	59.2	12.3	37	153	0
WA 8200				108	59.7	11.7	41	153	0
MelaCL+ (WA 8155)		90	104	108	59.6	12.0	40	154	20
WA 8202				106	62.1	12.9	43	150	12
CuriosityCL+ (WA 8143)		85	95	106	59.8	11.9	41	153	0
IDN-04-00405B				105	58.0	12.4	38	148	0
ORCF-103	89	84	94	98	58.6	12.1	38	153	0
LWW-04-4009		83	84	97	60.0	12.0	36	154	0

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE	LODGING %
C.V. %	9	8	6	4	0.6	2.2	4	1	344
LSD (.10)	5	5	4	5	0.4	0.3	1	1	6
Average	106	99	104	115	59.2	11.9	39	151	2
Highest	122	120	122	137	62.1	12.9	44	155	27
Lowest	89	83	84	97	56.4	10.9	32	146	0

Dusty Soft White Winter Wheat

1. Grain yield in the 2014 Dusty soft white winter wheat trial averaged 115 bushels/acre, higher than the five-year average of 107 bushels/acre. The Dusty nursery was located about four miles northwest of Dusty, WA (B. Morasch, Cooperator).
2. This nursery was seeded on 23 September, 2013 following fallow. Seed was placed at an 85#/acre seeding rate using a double-disc plot drill with 6-inch row spacing. Base fertilizer was 80#N/acre applied pre-plant. Fall seeding and emergence were adequate. The crop survived cold December temperatures under some snow cover and no stand loss over winter was observed.
3. Yields reported ranged from 97 to 137 bushels/acre. All yield values within the 10% LSD range of the highest yield are shown in bold and this included 3 of the 48 entries in this trial. The variety 'Bobtail', was the highest yielding named entry in the trial. Bobtail had overwinter stand loss at other locations without snow cover. 'Cara' had the highest yield over five years at this location. There was no significant stripe rust observed at this location and no fungicide was applied.
4. Test weights averaged 59.2 lbs/bu and ranged from 56.4 to 62.1 lbs/bu. Grain protein at 11.9% averaged higher than in 2013 with a range of 10.9 to 12.9%. Plant height averaged 39 inches and a small amount of lodging occurred by a few entries.