

2014 WSU Variety Testing SW Winter Wheat Trial, Anatone

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
IDN-01-10704A				97	59.8	7.6	39
Puma		77	73	96	60.1	7.7	37
WA 8201				96	60.8	8.0	37
Masami	90	78	75	96	59.3	7.8	35
Xerpha	101	81	74	95	60.3	7.3	37
Bobtail		78	74	95	57.7	7.5	35
OR2080641				95	60.5	7.3	35
Rosalyn (OR2071071)		79	74	94	58.1	7.3	34
WA 8170			77	94	60.4	8.2	38
LWW12-7105				94	59.2	7.9	30
IDN-02-29001A				94	61.7	7.6	38
LCS-Biancor				93	59.2	7.6	32
WA 8200				93	61.2	8.1	37
IDN-02-08806A				93	60.9	8.1	35
IDO1108DH			73	93	59.1	7.2	37
Stephens	77	71	72	93	59.6	7.8	36
WB-Junction			75	92	61.1	7.4	35
WA 8169			73	92	59.8	7.9	37
ORCF-103	85	75	74	92	59.8	8.3	34
Kaseberg		77	76	92	59.3	7.1	35
<i>Coda</i>	87	74	70	91	61.9	7.8	38
<i>4J071366-1</i>				91	59.7	8.3	37
ORCF-102				90	61.2	8.4	38
IDN-04-00405B				90	59.9	7.4	33
WA 8202				90	61.2	7.7	39
ARS-Amber	87	77	73	90	59.0	7.6	35
Trifecta			70	90	61.2	7.8	36
OR2090473				90	58.8	6.8	33
ARS010729-1L			75	90	62.0	7.5	35
<i>ARS010262-1C</i>				90	60.1	7.5	35
Tubbs 06	84	75	73	90	59.8	7.5	38
Eltan/Tubbs 06	91	79	75	90	60.0	8.1	38
WA 8199				90	59.1	7.2	35
<i>Cara</i>	88	76	70	89	58.9	7.0	33
ARS-Selbu		74	69	88	61.0	7.7	36
<i>ARS010780-3C</i>		71	69	87	60.5	8.1	34
<i>Bruehl</i>	89	73	69	87	58.9	7.4	36
MelaCL+ (WA 8155)		75	71	87	60.4	8.6	36
LWW10-1073				87	60.2	8.5	38
<i>ARS010679-1C</i>				86	58.7	7.8	35
Madsen	88	75	69	86	60.8	8.4	36
<i>ARS-Crescent</i>	87	75	71	86	59.8	7.3	36
Skiles	88	74	69	86	61.6	7.8	34
Eltan	93	75	72	85	60.1	8.2	35
<i>4J071246-1C</i>			71	85	59.3	6.9	36
CuriosityCL+ (WA 8143)		76	69	84	60.5	8.4	35
LWW-04-4009		74	69	83	61.1	8.5	34
Otto	86	75	68	80	60.5	8.5	35

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT
C.V. %	7	6	7	6	0.6	7.6	3
LSD (.10)	3	3	4	6	0.4	0.6	1
Average	88	76	72	90	60.1	7.8	36
Highest	101	81	77	97	62.0	8.6	39
Lowest	77	71	68	80	57.7	6.8	30

Anatone Soft White Winter Wheat

1. Grain yield in the 2014 Anatone soft white winter wheat trial averaged 90 bushels/acre, equivalent to the five-year average of 89 bushels/acre. The Anatone nursery was located about six miles south of Asotin, WA (B. Ausman, Cooperator).
2. This nursery was seeded on 17 September, 2013 following chem-fallow. Seed was placed at an 85#/acre seeding rate using a no-till plot drill equipped with cross-slot openers set on 12-inch spacing. Base fertilizer was 60#N/acre applied at planting. Fall seeding conditions were dry but later emergence and stand establishment in the fall were adequate. The crop emerged before fall dormancy and did not show significant winter damage due to protection from snow and/or residue that help to insulate from the cold. The statistical CV of 6% is good for this location.
3. Yields reported ranged from 80 to 97 bushels/acre. All yield values within the 10% LSD range of the highest yield are shown in bold and this included 22 of the 48 entries in this trial. The variety 'Puma', a new variety from WSU, was the highest yielding named entry in the trial. 'Xerpha' had the highest yield over 5 years at this location. There was no stripe rust observed at this location and no fungicide was applied.
4. Test weights averaged 60.1 lbs/bu and ranged from 57.7 to 62.0 lbs/bu. Grain protein at 7.8% averaged lower than in 2013 with a range of 6.8 to 8.6%. Plant height averaged 36 inches and there was no lodging.