

2017 WSU Variety Testing Hard Winter Wheat Trial, Anatone

Variety Name	2017					2 Year	3 Year	5 Year
	YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE	AVERAGE (BU/A)	AVERAGE (BU/A)	AVERAGE (BU/A)
RELEASED VARIETIES								
LCS Jet	93	60.4	8.6	34	155	--	--	--
Keldin	86	61.5	8.2	37	155	--	--	--
LCS Colonia	83	59.0	8.0	33	158	--	--	--
SY Clearstone CL2	83	61.8	8.2	41	154	--	--	--
WB-Arrowhead	82	61.2	9.1	39	155	--	--	--
Mandala	82	63.7	8.3	39	154	--	--	--
Whetstone	80	62.0	8.7	37	153	--	--	--
SY Touchstone	77	62.4	9.1	33	155	--	--	--
WB4623CLP	75	62.6	8.8	38	154	--	--	--
AP503 CL2	73	63.9	8.9	34	151	--	--	--
Farnum	71	60.2	8.9	51	162	--	--	--
Sequoia (WA 8180)	68	59.6	8.4	50	161	--	--	--
EXPERIMENTAL LINES								
WA 8247	88	61.1	8.5	42	155	--	--	--
XA4104	88	63.8	8.7	34	152	--	--	--
WA 8272	81	62.0	9.3	46	156	--	--	--
WA 8273	75	63.1	8.5	49	157	--	--	--
XA4103	69	63.4	8.8	36	150	--	--	--
LWW14-73915	68	59.2	9.0	37	151	--	--	--
C.V. %	9	2	7	5	1	--	--	--
LSD (0.05)	10	1.5	NS	3	1	--	--	--
Average	79	61.7	8.7	39	155	--	--	--
Highest	93	63.9	9.3	51	162	--	--	--
Lowest	68	59.0	8.0	33	150	--	--	--

Agronomic Information

Planting Date: 9/20/2016
 Harvest Date: 7/25/2017
 Seeding Rate (seeds/ft²): 21
 Previous Crop: Fallow
 Spring soil test:
 N (lb/ac) 2-ft sample 96
 P (ppm-bicarb) 2-ft sample 70
 S (lb/ac) 2-ft sample 37
 pH (top 6 inches) 6.51

Herbicide:

Huskie & Tilt applied on 4/11; a second application of fungicide was applied by air the last week of May

Trial Notes:

1. The Anatone nursery was located about 5 miles north of Anatone, WA. All yield and test weight values within the 5% LSD range of the highest value are shown in bold.
2. This is the first year we've had the hard winter trial at Anatone, so there are no long-term averages.
3. This location was seeded with a no-till drill with cross-slot openers. Fertilizer applied at planting was: 65#N, 14#P, 14#S. An additional 130#N was top dressed in the spring.
4. Protein was unusually low, despite the extra fertilizer.

Cooperator: B. Ausman