

2017 WSU Variety Testing Hard Winter Wheat Trial, Eureka

Variety Name <i>Hard White Italicized</i>	2017						2 Year	3 Year	5 Year
	YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE	SNOW MOLD <sup>1</sup>	AVERAGE (BU/A)	AVERAGE (BU/A)	AVERAGE (BU/A)
<b>RELEASED VARIETIES</b>									
Keldin	58	64.6	11.3	32	144	7.0	--	--	--
Sequoia (WA 8180)	55	63.5	11.7	38	150	5.7	--	--	--
LCS Colonia	54	62.1	11.1	28	149	4.3	--	--	--
WB-Arrowhead	54	64.5	12.7	33	143	7.3	--	--	--
LCS Jet	52	63.2	11.1	28	143	6.3	--	--	--
LCS Evina	48	62.8	12.4	29	149	4.3	--	--	--
LCS Aymeric	47	61.9	10.2	25	145	3.7	--	--	--
WB4303	41	64.4	12.2	27	142	5.3	--	--	--
SY Touchstone	39	64.1	12.9	26	144	4.0	--	--	--
Farnum	39	61.7	12.3	32	155	4.0	--	--	--
Mandala	36	64.2	12.2	26	151	3.3	--	--	--
WB4623CLP	34	63.5	13.6	28	144	3.7	--	--	--
Metropolis	34	63.9	14.4	26	143	4.7	--	--	--
Norwest 553	33	64.0	13.5	24	145	3.3	--	--	--
SY Clearstone CL2	31	63.2	13.6	32	145	3.3	--	--	--
AP503 CL2	29	65.6	12.6	27	143	6.0	--	--	--
Rebelde	29	64.7	14.2	26	143	3.7	--	--	--
Whetstone	28	64.3	13.1	30	143	3.0	--	--	--
<b>EXPERIMENTAL LINES</b>									
XA4104	57	64.0	12.5	30	142	8.0	--	--	--
NSA10-2196	55	63.0	11.4	27	143	5.0	--	--	--
WA 8273	55	64.8	11.7	38	149	6.0	--	--	--
LWW14-73915	50	63.2	11.9	29	143	5.0	--	--	--
IDO 1506	42	64.2	10.7	20	143	6.7	--	--	--
OR2111025	41	64.7	12.2	29	144	5.0	--	--	--
WA 8247	41	63.7	11.9	27	147	3.3	--	--	--
XA4103	39	65.1	11.7	24	141	6.0	--	--	--
OR2130021R	36	64.5	13.2	24	145	3.3	--	--	--
WA 8272	35	62.9	12.8	31	150	2.3	--	--	--
OR2110679	34	64.0	12.6	27	144	3.0	--	--	--
OR2120276H	32	63.7	13.3	29	143	4.0	--	--	--
C.V. %	11	1	3	8	1	15	--	--	--
LSD (0.05)	6	0.5	0.5	3	1	0.9	--	--	--
Average	42	63.8	12.4	28	145	4.7	--	--	--
Highest	58	65.6	14.4	38	155	8.0	--	--	--
Lowest	28	61.7	10.2	20	141	2.3	--	--	--

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### **Agronomic Information**

Planting Date: 10/7/2016  
Harvest Date: 7/18/2017  
Seeding Rate (seeds/ft<sup>2</sup>): 21  
Previous Crop: Fallow  
Spring soil test:  
    N (lb/ac) 4-ft sample 201  
    P (ppm-bicarb) 2-ft sample 48  
    S (lb/ac) 2-ft sample 28  
    pH (top 6 inches) 5.99  
Herbicide:  
Spring herbicide applied by cooperator.

### **Trial Notes:**

- 1.** The Eureka nursery was located about 12 miles west of Prescott, WA. All yield, test weight and protein 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 Eureka, so there are no long-term averages. This trial is a cooperative effort with Oregon State University and Northwest Grain Growers. This location contains a unique set of entries.
- 3.** <sup>1</sup>Snow mold ratings are based on spring regrowth/recovery from the disease (9=complete regrowth, 1=complete death).

**Cooperator:** G. Struthers