

2017 WSU Variety Testing Hard Winter Wheat Trial, Almira

Variety Name	2017						2 Year	3 Year	5 Year
	YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	SNOW MOLD <sup>1</sup>	LODGING (%)	AVERAGE (BU/A)	AVERAGE (BU/A)	AVERAGE (BU/A)
<b>RELEASED VARIETIES</b>									
LCS Colonia	113	57.0	11.1	40	6.0	0	102	84	87
WB-Arrowhead	109	60.5	12.1	46	8.0	0	96	81	80
LCS Jet	108	60.3	11.6	37	5.7	0	103	84	
Keldin	104	<b>62.6</b>	10.9	43	7.7	0	99	86	89
AP503 CL2	98	<b>62.9</b>	12.1	41	6.3	0	89	74	77
Mandala	97	60.9	12.5	44	7.0	0			
Farnum	91	<b>62.5</b>	12.5	54	7.7	33	88	75	76
SY Touchstone	91	58.8	12.6	35	5.3	0	87		
Whetstone	89	60.0	12.7	40	5.0	0	83	71	73
SY Clearstone CL2	87	59.0	12.9	50	5.7	0	87	77	
Sequoia (WA 8180)	82	58.5	12.3	59	6.3	63	83	71	75
WB4623CLP	74	61.1	13.2	40	4.0	0			
<b>EXPERIMENTAL LINES</b>									
LWW14-73915	114	58.2	12.4	39	6.0	0			
XA4104	109	<b>61.9</b>	11.1	37	8.0	0			
WA 8247	98	60.2	12.1	50	5.7	0	89		
WA 8272	94	60.8	12.5	51	6.0	20			
WA 8273	92	61.1	12.0	53	6.7	8			
XA4103	89	<b>62.8</b>	11.9	38	5.3	0			
C.V. %	9	1	8	4	11	--	9	9	9
LSD (0.05)	12	1.1	NS	2	0.9	15	8	6	4
Average	96	60.5	12.1	44	6.2	7	92	78	80
Highest	114	62.9	13.2	59	8.0	63	103	86	89
Lowest	74	57.0	10.9	35	4.0	0	83	71	73

**Agronomic Information**

Planting Date: 9/16/2016  
 Harvest Date: 8/11/2017  
 Seeding Rate (seeds/ft<sup>2</sup>): 21  
 Previous Crop: Fallow  
 Spring soil test:  
     N (lb/ac) 4-ft sample 289  
     P (ppm-bicarb) 2-ft sample 48  
     S (lb/ac) 4-ft sample 33  
     pH (top 6 inches) 5.23  
 Herbicide:  
 Huskie & Tilt applied on, 4/8

**Trial Notes:**

1. The Almira nursery was located about 9 miles north of Almira, WA. All yield, test weight, and protein values within the 5% LSD range of the highest value are shown in bold.
2. This nursery was seeded with a conventional hoe drill.
3. **Note**--This location received only one fungicide application. Stripe rust moved in late on susceptible varieties and limited yield potential.
4. While most entries recovered very well, snow mold still impacted yield potential of some entries.
5. <sup>1</sup> Snow mold ratings are based on spring regrowth/recovery from the disease (9=complete regrowth, 1=complete death).

**Cooperator:** D. McKay