

2017 WSU Variety Testing Hard Winter Wheat Trial, Pullman

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)
<b>RELEASED VARIETIES</b>								
Keldin	<b>121</b>	64.8	11.3	35	154	127	136	132
LCS Colonia	<b>121</b>	58.3	11.6	37	158	126	123	125
LCS Jet	<b>120</b>	61.5	11.0	34	154	131	136	
WB-Arrowhead	113	63.7	11.5	40	154	122	131	129
Norwest 553	113	63.7	11.6	33	154	120	116	120
LCS Aymeric	112	59.4	10.2	32	154			
SY Touchstone	108	64.1	<b>12.2</b>	37	154	117		
SY Clearstone CL2	108	63.3	11.6	42	154	105		
WB4623CLP	107	64.6	<b>12.6</b>	38	155			
Mandala	104	<b>65.5</b>	<b>12.3</b>	39	155			
Whetstone	100	<b>65.2</b>	11.6	37	151	109	119	117
<b>EXPERIMENTAL LINES</b>								
NSA10-2196	<b>128</b>	59.8	10.6	35	153	137	132	
WA 8268	115	61.9	11.4	33	154			
WA 8269	113	57.9	11.2	36	158			
XA4104	111	66.5	11.9	37	149			
LWW14-73915	110	60.7	11.3	36	150			
WA 8248	109	64.6	<b>12.5</b>	38	152	117		
XA4103	100	<b>67.1</b>	11.5	36	147			
<b>C.V. %</b>	5	2	4	4	0	5	8	8
<b>LSD (0.05)</b>	8	2.2	0.6	2	1	6	8	6
<b>Average</b>	112	62.9	11.6	36	153	121	127	125
<b>Highest</b>	128	67.1	12.6	42	158	137	136	132
<b>Lowest</b>	100	57.9	10.2	32	147	105	116	117

**Agronomic Information**

Planting Date: 9/29/2016  
 Harvest Date: 8/7/2017  
 Seeding Rate (seeds/ft<sup>2</sup>): 24  
 Previous Crop: Chickpeas  
 Spring soil test:  
     N (lb/ac) 4-ft sample 223  
     P (ppm-bicarb) 2-ft sample 62  
     S (lb/ac) 2-ft sample 63  
     pH (top 6 inches) 4.92

**Trial Notes:**

1. The Pullman nursery was located about 3 miles southeast of Pullman, WA. All yield, test weight, and protein values within the 5% LSD range of the highest value are shown in bold.
2. Stripe rust was not an issue at this location and this was a nice uniform trial.
3. Preplant fertilizer was 120#N.

**Cooperator:** R. Druffel

**Herbicide:**

Anthem Flex applied on 11/3; Everest, Brox M, Express, and Tilt applied on 5/1; Evito and propiconazole applied on 6/1