

2016 WSU Variety Testing Hard Winter Wheat Trial, Connell

Variety Name <i>Hard White Italicized</i>	2016						2 Year	3 Year	5 Year
	YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE	LODGING (%)	AVERAGE (BU/A)	AVERAGE (BU/A)	AVERAGE (BU/A)
<b>RELEASED VARIETIES</b>									
LCS Jet (NSA10-7208)	78	59.0	13.1	34	122	0	52	44	
<i>Earl (WA 8184)</i>	73	58.3	13.6	38	121	0			
Keldin	72	59.4	13.3	36	123	0	50	44	
LCS Colonia	70	52.2	13.1	34	129	0	46	38	
SY Touchstone (04PN028B-3)	66	59.0	12.8	32	125	0			
WB-Arrowhead	64	59.7	12.5	40	121	0	44	39	
Whetstone	63	57.8	13.4	35	122	0	44	38	
SY Clearstone CL2	62	57.4	<b>14.4</b>	40	125	0	45		
AP503 CL2	58	<b>62.2</b>	12.4	36	120	0	40	34	
Finley	55	58.5	12.8	44	126	0	38	36	31
Bauermeister	53	55.8	13.5	36	128	0	39	34	33
Sequoia (WA 8180)	53	55.8	13.9	39	129	0	38	34	
Farnum	48	56.0	13.9	37	132	3	35	33	34
<b>EXPERIMENTAL LINES</b>									
<i>OR2120276H</i>	72	59.2	11.5	37	123	0			
<b>OR2120012R</b>	71	57.0	13.8	36	122	0			
<b>WA 8247</b>	67	56.4	13.1	39	127	0			
<b>HE181/3</b>	65	55.0	14.3	38	127	0			
<i>IDO1101</i>	61	59.8	12.1	34	123	0	41	37	
<b>WA 8207</b>	57	56.0	14.3	38	130	0	40	34	
<b>WA 8246</b>	54	51.1	<b>15.5</b>	33	129	5			
<b>WA 8228</b>	52	57.8	13.7	40	130	0	37		
<b>WA 8229</b>	51	58.7	14.0	41	124	2	36		
<b>WA 8197</b>	50	55.4	13.6	39	131	18	35	33	
<b>WA 8250</b>	50	57.2	12.4	34	125	0			
<b>C.V. %</b>	6	1	6	5	1	--	6	7	8
<b>LSD (0.05)</b>	5	1.0	1.1	3	1	6	3	3	2
<b>Average</b>	61	57.3	13.4	37	126	1	41	37	33
<b>Highest</b>	78	62.2	15.5	44	132	18	52	44	34
<b>Lowest</b>	48	51.1	11.5	32	120	0	35	33	31

**Agronomic Information**

Planting Date: 9/14/2015  
 Harvest Date: 7/13/2016  
 Seeding Rate (lbs/acre): 50  
 Spring soil test:  
     N (lb/ac) 4-ft sample 166  
     P (ppm-Bray) 2-ft sample 49  
     S (lb/ac) 4-ft sample 30

Herbicide:

Huskie, PowerFlex, Tilt, M-90 applied on 3/30.  
 Cooperator applied a second application of fungicide by airplane.

**Trial Notes:**

1. Grain yield averaged 61 bushels/acre, well above the five-year average. The Connell nursery was located about 8 miles east of Connell, WA. All yield, test weight, and protein values within the 5% LSD range of the highest value are shown in bold.
2. August rains provided great seeding conditions. Emergence and stand establishment were excellent. Due to the fungicide applications, stripe rust was not a factor at this location.

**Cooperator:** D. Bauermeister