

2016 WSU Variety Testing Hard Winter Wheat Trial, Walla Walla

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	AVERAGE (BU/A)	AVERAGE (BU/A)	AVERAGE (BU/A)
<b>RELEASED VARIETIES</b>								
LCS Jet (NSA10-7208)	138	58.2	12.3	36	128	102	113	
Keldin	135	57.0	12.2	43	131	112	121	
Norwest 553	133	58.2	12.3	35	132	96	109	106
Rimrock	133	57.0	12.1	40	130	105	110	
LCS Azimut	132	52.9	12.3	30	128	94	103	100
LCS Colonia	130	53.0	12.2	39	138	95	109	
WB-Arrowhead	123	56.6	12.5	43	127	99	114	
Whetstone	118	<b>58.9</b>	12.9	39	130	96	111	
SY Touchstone (04PN028B-3)	111	<b>59.1</b>	12.6	35	133			
SY Clearstone CL2	111	57.8	13.1	45	133			
<b>EXPERIMENTAL LINES</b>								
NSA10-2196	<b>147</b>	57.4	12.1	36	128	105		
OR2120276H	135	<b>60.6</b>	11.7	39	130			
OR2120012R	128	58.1	12.9	42	130			
WA 8248	127	<b>60.3</b>	13.0	38	128			
OR2110664	126	<b>58.7</b>	11.8	37	134			
WA 8249	117	58.5	<b>13.9</b>	39	128			
IDO1101	106	58.4	12.4	36	128	95	104	
WA 8231	105	58.6	11.9	41	137	91		
<b>C.V. %</b>	4	2	2	4	1	5	7	8
<b>LSD (0.05)</b>	6	1.9	0.4	2	1	6	7	6
<b>Average</b>	125	57.7	12.4	38	131	99	110	103
<b>Highest</b>	147	60.6	13.9	45	138	112	121	106
<b>Lowest</b>	105	52.9	11.7	30	127	91	103	100

**Agronomic Information**

Planting Date: 9/28/2015  
 Harvest Date: 7/15/2016  
 Seeding Rate (lbs/acre): 85  
 Spring soil test:  
     N (lb/ac) 4-ft sample 235  
     P (ppm-Bray) 2-ft sample 99  
     S (lb/ac) 4-ft sample 59  
     pH (top 6 inches) 5.51  
 Herbicide:  
 Huskie, PowerFlex, M-90 applied on 4/1/16. Tilt applied on 4/4/16.

**Trial Notes:**

1. The Walla Walla nursery was located about 3 miles northeast of Walla Walla, WA. This was a new location for 2016, and closer to Walla Walla than our previous winter wheat trials. All yield, test weight, and protein values within the 5% LSD range of the highest value are shown in bold. An additional 20#N was applied in the spring.
2. This trial received only one application of fungicide and low levels of rust were observed on some of the more susceptible lines late in the growing season.
3. Dry seeding conditions led to uneven spring stands, but stands evened out and this turned into a very nice trial.

Cooperator: P. McConnell