

2016 WSU Variety Testing Hard Winter Wheat Trial, Almira

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)	98	62.3	10.5	35	142	0	72	74	
Keldin	96	62.9	11.0	40	141	2	78	75	
Earl (WA 8184)	95	62.4	11.1	39	141	12			
LCS Colonia	92	61.8	9.9	34	144	0	69	66	
Bauermeister	87	63.1	9.8	40	147	7	68	67	87
SY Clearstone CL2	86	62.6	<b>11.9</b>	43	142	5	72		
Farnum	85	62.0	11.1	46	147	53	67	65	78
Sequoia (WA 8180)	85	63.3	10.1	46	143	30	66	66	
SY Touchstone (04PN028B-3)	83	63.4	<b>11.9</b>	36	143	0			
WB-Arrowhead	83	63.1	<b>12.5</b>	42	141	2	66	64	
Finley	82	<b>64.3</b>	10.6	47	141	73	67	67	76
AP503 CL2	80	<b>64.3</b>	<b>11.5</b>	38	141	10	62	65	
Whetstone	77	63.5	<b>11.7</b>	37	141	3	62	59	
<b>EXPERIMENTAL LINES</b>									
WA 8207	<b>113</b>	63.0	10.4	42	148	0	84	76	
WA 8246	98	61.7	10.8	39	146	10			
HE181/3	98	62.4	<b>12.1</b>	41	143	0			
WA 8250	92	63.3	<b>11.4</b>	36	142	3			
WA 8197	90	62.8	9.9	45	145	52	68	67	
OR2120276H	90	63.4	<b>11.2</b>	37	142	0			
OR2120012R	83	62.6	11.1	35	142	0			
WA 8228	83	<b>64.3</b>	<b>11.3</b>	45	146	23	68		
IDO1101	82	63.4	11.0	35	141	3	70	73	
WA 8247	79	62.3	<b>11.5</b>	38	145	7			
WA 8229	76	63.8	11.1	48	141	57	58		
<b>C.V. %</b>	8	0	8	5	0	--	9	9	10
<b>LSD (0.05)</b>	10	0.4	1.3	2	1	19	7	6	5
<b>Average</b>	88	63.0	11.1	40	143	15	69	68	80
<b>Highest</b>	113	64.3	12.5	48	148	73	84	76	87
<b>Lowest</b>	76	61.7	9.8	34	141	0	58	59	76

**Agronomic Information**

Planting Date: 9/11/2015  
 Harvest Date: 8/11/2016  
 Seeding Rate (lbs/acre): 85  
 Previous Crop: Spring Wheat  
 Spring soil test:  
     N (lb/ac) 4-ft sample 214  
     P (ppm-bicarb) 2-ft sample 56  
     S (lb/ac) 4-ft sample 38  
     pH (top 6 inches) 5.12

Herbicide:  
 Huskie, PowerFlex HL, Tilt on 4/27.

**Trial Notes:**

1. The Almira nursery was located about 12 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 no-till drill with hoe openers. Fertilizer applied at planting was: 60#N, 10#P, 10#S.
3. The single application of fungicide kept stripe rust in check and only low levels of rust were observed on susceptible varieties.
4. Despite the relatively low C.V., there was a fair amount of variation in this trial.

**Cooperator:** D. McKay