

## 2017 WSU Variety Testing Hard Winter Wheat Trial, Connell

Variety Name	2017						2 Year	3 Year	5 Year
	YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE	SPRING STAND	AVERAGE (BU/A)	AVERAGE (BU/A)	AVERAGE (BU/A)
<b>RELEASED VARIETIES</b>									
Sequoia (WA 8180)	60	62.0	11.3	43	147	7.3	56	45	40
LCS Jet	59	61.0	11.8	30	142	6.7	68	54	
Keldin	56	<b>63.2</b>	11.6	33	142	5.7	64	52	42
SY Clearstone CL2	53	60.9	12.3	37	142	6.7	58	48	
Whetstone	53	62.5	12.1	34	141	5.7	58	47	40
Mandala	52	61.7	12.1	32	145	5.3			
WB-Arrowhead	52	62.7	12.4	36	142	5.7	58	47	40
LCS Colonia	50	58.0	11.6	28	148	5.3	60	47	42
Farnum	49	59.8	12.8	39	148	6.0	48	39	37
AP503 CL2	46	<b>64.1</b>	12.7	35	140	5.0	52	42	36
SY Touchstone	44	62.7	13.1	29	143	4.7	55		
WB4623CLP	38	61.5	<b>14.3</b>	31	142	5.3			
<b>EXPERIMENTAL LINES</b>									
WA 8272	60	61.5	12.2	39	144	6.7			
XA4104	55	<b>63.3</b>	12.9	33	141	5.7			
WA 8247	55	61.5	12.0	36	144	5.0	61		
XA4103	55	62.9	11.8	31	139	5.7			
WA 8273	53	62.5	12.3	37	146	6.3			
LWW14-73915	52	59.4	11.1	31	140	6.7			
C.V. %	10	1	4	5	0.4	16	8	8	9
LSD (0.05)	8	0.9	0.7	2	1	1.3	4	3	2
Average	52	61.7	12.2	34	143	5.9	58	47	39
Highest	60	64.1	14.3	43	148	7.3	68	54	42
Lowest	38	58.0	11.1	28	139	4.7	48	39	36

### Agronomic Information

Planting Date:	9/9/2016
Harvest Date:	7/27/2017
Seeding Rate (seeds/ft <sup>2</sup> ):	12
Previous Crop:	Fallow
Spring soil test:	
N (lb/ac) 4-ft sample	204
P (ppm-bicarb) 2-ft sample	44
S (lb/ac) 2-ft sample	29
pH (top six inches)	6.06

### Herbicide:

PowerFlex, Ally, 2,4-D, Aproach (fungicide)  
 applied at herbicide timing; Second fungicide  
 application via air

### Trial Notes:

1. 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. We had to plant pretty deep to hit moisture at this location last fall. Emergence varied and is noted in the "Spring Stand" rating (1 to 9 scale where 9 is the best).
3. Because of the deep planting, there was a fair amount of plot-to-plot variation in yield.

**Cooperator:** D. Bauermeister