

2017 WSU Variety Testing Hard Winter Wheat Trial, Reardan

Variety Name	2017						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>									
WB-Arrowhead	147	62.9	12.9	48	159	2	123	107	102
Keldin	147	63.5	12.7	42	156	7	120	106	105
LCS Jet	139	62.0	13.1	40	155	0	117	101	
SY Touchstone	139	62.6	13.5	41	157	0	111		
LCS Colonia	135	59.0	12.8	41	164	0	114	97	95
Whetstone	130	61.7	13.3	44	155	0	102	91	88
AP503 CL2	129	<b>64.8</b>	13.1	43	155	0	108		
Mandala	125	63.4	13.4	46	161	0			
SY Clearstone CL2	120	61.3	13.1	46	158	0	98		
WB4623CLP	120	62.9	<b>14.5</b>	44	156	0			
Sequoia (WA 8180)	111	61.9	13.2	56	166	75	94		
Farnum	102	60.9	13.9	53	166	58	89	80	78
<b>EXPERIMENTAL LINES</b>									
XA4104	137	62.8	13.4	39	152	3			
WA 8247	130	61.5	13.3	51	161	68	107		
LWW14-73915	129	61.4	12.7	42	152	0			
XA4103	117	64.0	13.6	40	150	0			
WA 8273	116	63.3	13.7	55	167	72			
WA 8272	109	62.7	13.9	49	158	52			
C.V. %	5	1	2	3	1	44	5	5	6
LSD (0.05)	9	0.5	0.4	2	2	11	6	4	4
Average	127	62.4	13.3	46	158	19	107	97	94
Highest	147	64.8	14.5	56	167	75	123	107	105
Lowest	102	59.0	12.7	39	150	0	89	80	78

**Agronomic Information**

Planting Date:	9/19/2016
Harvest Date:	8/28/2017
Seeding Rate (seeds/ft <sup>2</sup> ):	21
Previous Crop:	Fallow
Spring soil test:	
N (lb/ac) 4-ft sample	268
P (ppm-bicarb) 2-ft sample	65
S (lb/ac) 2-ft sample	49
pH (top 6 inches)	5.04

**Trial Notes:**

1. The Reardan nursery was located about 7 miles west of Reardan, WA. All yield, test weight, and protein values within the 5 % LSD range of the highest value are shown in bold.
2. This location was planted with our cross-slot no-till drill. Fertilizer applied at planting was 100#N, 14#P, 14#S.
3. This trial looked great all year. Stripe rust was kept under control and the trial was very uniform.

**Cooperator:** H. Johnson

**Herbicide:**

Orion, Bison, Broadspec, Priaxor, by air on 5/9; Second fungicide application by air in early June.