

2017 WSU Variety Testing Hard Winter Wheat Trial, Pasco

Variety Name	2017				2 Year	3 Year	5 Year
	YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	AVERAGE (BU/A)	AVERAGE (BU/A)	AVERAGE (BU/A)
<b>RELEASED VARIETIES</b>							
LCS Jet	161	65.5	11.5	35	152	--	--
LCS Evina	148	65.8	<b>13.0</b>	41	141	--	--
LCS Aymeric	148	63.1	10.1	33	148	--	--
Keldin	146	<b>66.8</b>	11.2	38	128	--	--
Norwest 553	142	65.8	12.1	34	132	--	--
SY Touchstone	138	65.9	11.7	35	142	--	--
Metropolis	137	<b>66.4</b>	12.5	35		--	--
WB-Arrowhead	135	<b>66.5</b>	11.9	40	131	--	--
Rebelde	130	<b>66.8</b>	<b>12.9</b>	34	136	--	--
Mandala	125	<b>66.7</b>	11.8	40	133	--	--
WB4623CLP	109	<b>66.4</b>	<b>13.5</b>	39		--	--
<b>EXPERIMENTAL LINES</b>							
LWW14-73915	160	64.2	11.4	36		--	--
NSA10-2196	156	63.3	11.1	33	143	--	--
WA 8268	149	64.7	11.8	35		--	--
WA 8248	137	<b>66.9</b>	11.9	39	129	--	--
WA 8269	133	61.2	12.5	33		--	--
XA4104	132	66.3	11.9	37		--	--
XA4103	128	<b>66.7</b>	11.6	36		--	--
C.V. %	4	1	4	4	8	--	--
LSD (0.05)	7	0.5	0.7	2	11	--	--
Average	140	65.5	11.9	36	138	--	--
Highest	161	66.9	13.5	41	152	--	--
Lowest	109	61.2	10.1	33	128	--	--

**Agronomic Information**

Planting Date:	10/7/2016
Harvest Date:	7/21/2017
Seeding Rate (seeds/ft <sup>2</sup> ):	24
Previous Crop:	Potatoes
Spring soil test:	
N (lb/ac) 4-ft sample	190
P (ppm-bicarb) 2-ft sample	56
S (lb/ac) 2-ft sample	78
pH (top 6 inches)	5.96

**Trial Notes:**

1. The irrigated Pasco trial was located about 7 miles NE of Pasco, WA. All yield and test weight values within the 5% LSD range of the highest value are shown in bold.
2. On 3/9, 100#N and 20#S were top dressed on the trial. An additional 80#N and 10#S were added via irrigation during the growing season.
3. Note that a growth regulator was applied to the trial and there was no lodging.

**Herbicide:**

Affinity Broadspec, Starane Ultra & Tilt applied at herbicide timing;  
 Ethephon 2 growth regulator applied via air; Second application of fungicide also applied via air.

**Cooperator:** J Macbeth