

2017 WSU Variety Testing Hard Winter Wheat Trial, Moses Lake

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)
RELEASED VARIETIES							
LCS Jet	124	63.6	11.7	35	154	152	
Norwest 553	123	63.8	11.9	34	137	132	126
LCS Evina	122	62.4	13.9	44	138	135	
WB-Arrowhead	122	65.1	11.8	42	135	131	139
Keldin	121	64.3	12.2	39	123	122	132
SY Touchstone	116	64.8	12.3	35	129		
LCS Aymeric	114	58.9	11.4	33	130		
Metropolis	112	64.7	13.0	35			
Mandala	106	64.7	12.7	41	127		
WB4623CLP	104	65.6	13.0	40			
Rebelde	100	65.0	13.5	33	117		
EXPERIMENTAL LINES							
XA4104	131	66.4	12.1	37			
NSA10-2196	127	61.7	11.5	35	141	140	
LWW14-73915	119	60.1	11.2	36			
WA 8268	116	62.9	12.1	35			
XA4103	113	66.3	11.8	38			
WA 8248	110	64.1	13.4	35	128		
WA 8269	105	55.6	12.0	33			
C.V. %	5	2	5	5	7	7	8
LSD (0.05)	8	1.6	0.8	2	8	7	6
Average	116	63.3	12.3	37	133	135	132
Highest	131	66.4	13.9	44	154	152	139
Lowest	100	55.6	11.2	33	117	122	126

Agronomic Information

Planting Date: 10/7/2016
 Harvest Date: 8/8/2017
 Seeding Rate (seeds/ft²): 24
 Previous Crop: Potatoes
 Spring soil test:
 N (lb/ac) 4-ft sample 283
 P (ppm-bicarb) 2-ft sample 63
 S (lb/ac) 2-ft sample 89
 pH (top 6 inches) 7.29
 Herbicide:
 Bronc Max, Osprey, Huskie, 2,4-D, Trivapro applied on 4/22; Growth regulator and second fungicide application later in season

Trial Notes:

1. The Moses Lake irrigated nursery was located about 16 miles northeast of Moses Lake, WA. All yield, test weight, and protein values within the 5% LSD range of the highest value are shown in bold.
2. Preplant fertilizer was 75#N. An additional 130#N was applied in the spring.
3. This trial was irrigated with well water and did not receive "full" irrigation. Water schedule was about 0.4 inches per week.
4. A growth regulator was applied to this trial by the cooperator and there was no lodging.
5. Some stripe rust was present late in the season but it did not seem to have a significant impact on yield.

Cooperator: Stahl Farms