

2016 WSU Variety Testing Hard Winter Wheat Trial, Moses Lake

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)
RELEASED VARIETIES									
LCS Jet (NSA10-7208)	184	61.6	11.7	37	129	0	166	165	
LCS Azimut	154	58.7	11.9	35	127	17	133	139	131
LCS Evina	154	62.0	13.2	44	134	25	142	147	
Norwest 553	150	61.5	12.4	36	130	0	136	128	128
Mandala	149	62.6	12.3	44	132	0			
WB-Arrowhead	148	62.1	11.6	42	130	62	135	149	
LCS Aymeric	146	57.9	11.0	38	130	52			
SY Touchstone (04PN028B-3)	143	61.7	12.5	37	130	17			
LCS Colonia	142	57.9	11.9	40	133	0	128	132	
Rebelde	134	62.0	14.0	36	128	0			
Keldin	126	61.8	11.4	41	129	58	122	142	
Esperia	117	59.2	12.4	38	126	83			
Whetstone	116	61.4	12.6	42	127	75	120	135	
WB 4059CLP	99	60.8	11.9	38	125	67			
Rimrock	82	57.1	11.0	42	129	72	90	122	
EXPERIMENTAL LINES									
OR2110664	156	61.1	12.1	42	130	0			
NSA10-2196	154	59.4	12.0	36	127	58	146		
OR2110679	147	60.5	12.2	41	131	0			
WA 8248	146	62.8	12.4	41	127	52			
HE181/3	146	61.0	11.4	45	133	27			
OR2120276H	146	61.7	11.7	41	129	52			
OR2120012R	145	60.9	12.6	39	127	42			
WA 8249	128	62.0	13.1	40	128	77			
IDO1101	118	60.0	12.1	39	130	88	116	132	
C.V. %	7	1	3	5	1	--	8	8	8
LSD (0.05)	14	0.9	0.5	3	1	30	12	11	8
Average	139	60.8	12.1	40	129	38	130	139	130
Highest	184	62.8	14.0	45	134	88	166	165	131
Lowest	82	57.1	11.0	35	125	0	90	122	128

Agronomic Information

Planting Date: 10/7/2015
 Harvest Date: 8/4/2016
 Seeding Rate (lbs/acre): 95
 Previous Crop: Potatoes
 Spring soil test:
 N (lb/ac) 4-ft sample 237
 P (ppm-bicarb) 2-ft sample 27
 S (lb/ac) 2-ft sample 44
 pH (top 6 inches) 5.09

Herbicide:

Huskie & Tilt were applied at herbicide timing.

Trial Notes:

1. The Moses Lake irrigated nursery was located about 10 miles southeast 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. An extra 130# N was applied to the hard trial in the spring, after the soil sample was taken.
3. This trial received only one fungicide application. Stripe rust levels were very high and limited the yield of susceptible varieties.
4. The irrigated trials contain a unique set of entries, some of which are not found in the rainfed trials.

Cooperator: G. Burkholder