

2017 WSU Variety Testing Hard Winter Wheat Trial, Walla Walla

Variety Name <i>Hard White Italicized</i>	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)
RELEASED VARIETIES									
LCS Jet	153	64.7	12.1	37	140	12	145	119	
LCS Aymeric	148	62.9	11.1	34	141	28			
SY Touchstone	146	64.6	12.5	36	142	0	129		
LCS Evina	139	63.8	12.9	40	145	47			
LCS Colonia	135	62.0	12.3	37	144	22	133	108	110
Norwest 553	133	64.6	12.5	34	142	47	133	108	108
Rebelde	131	65.4	13.9	35	139	2			
WB4303	124	63.1	13.0	35	139	100			
Metropolis	122	64.0	13.7	34	140	100			
Mandala	121	64.3	12.6	37	146	100			
Keldin	119	63.3	13.0	36	142	100	127	114	112
Whetstone	107	62.6	13.3	37	140	100	112	100	102
WB4623CLP	107	63.3	14.7	40	142	95			
WB-Arrowhead	100	62.2	13.2	39	141	100	111	99	104
SY Clearstone CL2	83	61.6	13.9	42	142	100	97		
EXPERIMENTAL LINES									
WA 8268	150	64.0	12.6	37	143	20			
XA4103	144	65.8	12.1	39	137	27			
NSA10-2196	134	62.2	11.8	32	139	97	140	115	
OR2130021R	131	64.0	12.3	36	143	97			
XA4104	130	65.0	13.1	35	139	95			
WA 8248	129	65.2	13.0	36	141	97	128		
IDO 1506	127	62.8	12.6	30	141	37			
WA 8269	127	62.0	12.8	34	145	20			
LWW14-73915	126	63.0	12.4	33	140	100			
C.V. %	5	1	3	5	1	29	5	5	7
LSD (0.05)	10	0.8	0.5	3	1	25	6	4	5
Average	128	63.6	12.8	36	141	64	125	108	107
Highest	153	65.8	14.7	42	146	100	145	119	112
Lowest	83	61.6	11.1	30	137	0	97	98	102

Agronomic Information

Planting Date:	10/6/2016
Harvest Date:	7/26/2017
Seeding Rate (seeds/ft ²):	21
Previous Crop:	Peas
Spring soil test:	
N (lb/ac) 4-ft sample	253
P (ppm-bicarb) 2-ft sample	78
S (lb/ac) 2-ft sample	46
pH (top 6 inches)	5.08
Herbicide:	
PowerFlex, Huskie, Tilt, Quilt applied on 3/31; Second fungicide app. in late-April; Third fungicide app. in late-May	

Trial Notes:

1. The Walla Walla nursery was located about 5 miles southeast of Walla Walla, WA. This trial was a partnership between WSU & OSU. All yield, test weight, and protein values within the 5% LSD range of the highest value are shown in bold.
2. This trial was a cooperative effort with Oregon State University and Northwest Grain Growers. This location contains a unique set of entries.
3. This location was planted with a no-till drill and 170#N was applied at planting. An additional 60#N was applied in the spring.
4. Three applications of fungicide kept stripe rust under control.
5. Note that this was a higher production area than past WSU variety trial locations around Walla Walla.
6. Lodging had an impact on yield potential of some entries.

Cooperator: HT Rea Farms