

2016 WSU Variety Testing Hard Winter Wheat Trial, Pasco

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 Colonia	148	58.2	13.2	41	127	35	--	--	--
LCS Aymeric	147	58.1	12.4	39	125	93	--	--	--
SY Touchstone (04PN028B-3)	146	61.5	13.5	39	125	60	--	--	--
Rebelde	143	62.1	14.3	37	121	47	--	--	--
LCS Jet (NSA10-7208)	142	61.4	13.5	38	123	23	--	--	--
Mandala	142	61.8	14.3	47	128	8	--	--	--
LCS Azimut	138	57.7	12.8	36	121	67	--	--	--
LCS Evina	135	60.6	15.0	44	127	43	--	--	--
WB-Arrowhead	127	61.0	12.9	44	122	75	--	--	--
Norwest 553	122	60.9	13.4	36	125	62	--	--	--
Keldin	111	61.0	13.5	39	124	81	--	--	--
Whetstone	110	61.1	14.2	40	122	88	--	--	--
Esperia	88	59.3	13.1	35	119	88	--	--	--
WB 4059CLP	86	60.6	13.6	40	118	85	--	--	--
Rimrock	83	59.1	12.5	37	121	88	--	--	--
EXPERIMENTAL LINES									
OR2110664	138	60.7	13.2	42	125	30	--	--	--
OR2110679	138	60.1	13.2	42	123	80	--	--	--
OR2120012R	134	60.8	13.7	38	121	63	--	--	--
OR2120276H	132	61.9	13.4	42	125	77	--	--	--
NSA10-2196	131	57.7	12.8	35	121	93	--	--	--
HE181/3	125	59.3	12.9	43	128	62	--	--	--
WA 8248	121	60.7	14.6	39	121	80	--	--	--
WA 8249	117	61.3	14.4	39	123	78	--	--	--
IDO1101	93	61.4	13.9	38	125	50	--	--	--
C.V. %	12	1	3	5	1	35	--	--	--
LSD (0.05)	16	0.6	0.5	2	1	24	--	--	--
Average	125	60.3	13.5	40	123	65	--	--	--
Highest	148	62.1	15.0	47	128	93	--	--	--
Lowest	82	57.7	12.4	35	118	8	--	--	--

Agronomic Information

Planting Date:	10/7/2015
Harvest Date:	7/28/2016
Seeding Rate (lbs/acre):	95
Previous Crop:	Potatoes
Spring soil test:	
N (lb/ac) 4-ft sample	498
P (ppm-bicarb) 2-ft sample	21
S (lb/ac) 2-ft sample	138
pH (top 6 inches)	5.77

Trial Notes:

- 1.** This is a new location for 2016. 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.** Despite the two fungicide applications, stripe rust still developed and likely caused some yield loss on susceptible varieties.
- 3.** Excess nitrogen caused significant lodging across the trial. Even shorter entries lodged as a result of the neighboring plot pushing on it.
- 4.** The irrigated trials contain a unique set of entries, some of which are not found in the rainfed trials.

Herbicide:

Cooperator: J Rogers

Broadleaf herbicide and fungicide were applied by the cooperator. A second fungicide application was also applied by the grower.