

2018 WSU Variety Testing Hard Winter Irrigated Wheat Trial, Pasco

Variety Name	2018						2 Year	3 Year	5 Year
	Yield (Bu/A)	Test WT (Lbs/Bu)	Protein (%)	Plant HT (In)	Head Date	Lodging (%)	Average (Bu/A)	Average (Bu/A)	Average (Bu/A)
<i>Released Varieties</i>									
LCS Rocket (NSA10-2196)	115	56.2	13.3	35	126	0	135	134	--
LCS Abraham	111	56.5	13.5	34	126	0			--
LCS Jet	110	56.8	14.1	35	126	0	136	138	--
WB4303	109	57.5	14.6	35	125	0			--
WB4311	107	60.4	14.8	36	124	0	120		--
LCS Aymeric	105	50.1	13.4	33	131	0	126	133	--
Keldin	101	56.3	15	38	131	2	124	119	--
SY Touchstone	95	57.9	14.5	35	133	0	116	126	--
Metropolis	95	58.2	15.6	35	124	0	116		--
Rebelde	92	57.9	16.1	34	127	0	111	122	--
Mandala	86	54.9	14.9	42	134	0	105	118	--
<i>Experimental Lines</i>									
NSA12-2472	114	56.5	13.6	38	124	0			--
XB4542	110	58.1	13.5	43	129	0			--
LWW14-73915	110	53	14.6	37	124	0	135		--
OR2130021R	103	57.8	14.4	35	132	0			--
WA 8289	96	51.7	14.2	34	132	0			--
WA 8268	96	53.4	15.2	34	132	0	122		--
WA 8288	87	53	15.1	34	133	0			--
C.V. %	7	4.1	4.3	4	1	735	5	8	--
LSD (0.05)	10	3.2	0.9	2	1	1	6	8	--
Average	102	55.9	14.5	36	129	0	122	127	--
Highest	115	60.4	16.1	43	134	2	136	138	--
Lowest	86	50.1	13.3	33	124	0	105	118	--

Agronomic Information

Planting Date:	10/16/2017
Harvest Date:	7/11/2018
Seeding Rate (seeds/ft ²):	24
Previous Crop:	Onions
Spring soil test:	
N (lb/ac) 4-ft sample	133
P (ppm-bicarb) 2-ft sample	66
S (lb/ac) 2-ft sample	42
pH (top 6 inches)	7.5

Trial Notes:

1. The Pasco nursery was located about 11 miles northeast of Pasco, WA.
2. Base fertilizer (applied after soil test) was 300# N
3. Overall yield was 35% less than 2017 and grain test weight were lower than anticipated.

Cooperator J Macbeth