

2018 WSU Variety Testing Hard Winter Wheat Trial, Eureka

Variety Name	2018					2 Year	3 Year	5 Year
	Yield (Bu/A)	Test WT (Lbs/Bu)	Protein (%)	Plant HT (In)	Head Date	Average (Bu/A)	Average (Bu/A)	Average (Bu/A)
Released Varieties								
LCS Rocket (NSA10-2196)	105	60.8	10.3	34	134	80	--	--
LCS Jet	103	61.7	10.4	34	134	77	--	--
Keldin	99	63.5	9.7	37	136	79	--	--
WB4303	95	61.8	10.8	36	130	68	--	--
WB-Arrowhead	95	63.0	11.4	39	135	74	--	--
LCS Evina	93	61.7	10.8	38	140	71	--	--
LCS Abraham	92	60.6	10.2	32	134		--	--
Norwest 553	91	62.5	11.6	33	137	62	--	--
WB4311	91	63.4	10.6	34	132	74	--	--
LCS Aymeric	90	58.8	10.6	32	136	69	--	--
Langin	87	63.1	10.2	33	129		--	--
SY Touchstone	87	63.0	10.6	32	136	63	--	--
Whetstone	84	62.6	10.5	38	134	56	--	--
Mandala	83	62.5	10.4	38	140	59	--	--
Rebelde	80	63.3	11.3	32	135	55	--	--
Metropolis	74	63.3	12.0	31	134	54	--	--
Experimental Lines								
WA 8294	100	61.2	10.5	35	135		--	--
WA 8289	99	60.9	10.4	34	136		--	--
XB4542	96	64.2	10.4	43	135		--	--
WA 8288	96	62.0	10.2	32	137		--	--
WA 8268	95	61.9	10.5	34	137		--	--
NSA12-2472	94	61.1	9.8	38	133		--	--
LWW14-73915	94	60.8	10.4	36	133	72	--	--
OR2130118H	90	63.8	11.0	33	137		--	--
OR2130021R	86	62.6	11.0	32	137	61	--	--
OR2120358H	86	61.7	11.0	36	137		--	--
CO12D2011	85	64.8	11.8	35	131		--	--
OR2140074R	84	60.8	10.7	32	137		--	--
YS-401	83	62.2	10.1	40	130		--	--
OR2110679	82	61.6	10.4	34	136	58	--	--
C.V. %	6	0.5	5.2	3	0	7	--	--
LSD (0.05)	7	0.4	0.8	2	1	5	--	--
Average	91	62.2	10.7	35	135	67	--	--
Highest	105	64.8	12.0	43	140	80	--	--
Lowest	74	58.8	9.7	31	129	54	--	--

Agronomic Information

Planting Date:	10/5/2017
Harvest Date:	7/18/2018
Seeding Rate (seeds/ft ²):	21
Previous Crop:	Fallow
Spring soil test:	
N (lb/ac) 4-ft sample	193
P (ppm-bicarb) 2-ft sample	51
S (lb/ac) 2-ft sample	14
pH (top 6 inches)	5.42

Herbicide:

4 oz/ac propiconazole was applied with herbicide application

Trial Notes:

1. The Eureka nursery was located about 17 miles west of Prescott, WA.
2. Base fertilizer was 100N 20P 20S
3. Yield was 116% greater than 2017 and grain test weight were 1.6 lb/bu lower than 2017.

Cooperator G Struthers