

2018 WSU Variety Testing Hard Winter Irrigated Wheat Trial, Moses Lake

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)
<i>Released Varieties</i>								
LCS Rocket (NSA10-2196)	98	59.8	12.3	24	143	113	126	
Keldin	98	62.1	13.1	26	146	109	115	129
LCS Jet	97	60.3	12.9	25	143	111	135	143
LCS Abraham	96	59.7	12.6	26	143			
LCS Aymeric	96	57.9	11.7	25	146	105	119	
WB4303	92	61.2	13.4	24	142			
WB4311	86	62.6	13.6	24	143	109		
SY Touchstone	82	61.8	12.5	25	146	99	114	
Mandala	80	60.9	13.7	29	147	93	111	
Rebelde	75	61.5	14.5	24	146	88	103	
Metropolis	75	61.3	14.8	23	141	93		
<i>Experimental Lines</i>								
NSA12-2472	100	60.6	13.2	26	142			
WA 8268	100	61.1	12.6	26	148	108		
WA 8288	95	61.0	12.1	23	145			
WA 8289	90	60.4	11.7	24	146			
XB4542	90	62.5	12.2	28	145			
LWW14-73915	89	59.2	12.5	26	140	104		
OR2130021R	72	61.0	13.5	25	147			
C.V. %	7	1.0	3.3	4	1	6	7	9
LSD (0.05)	9	0.9	0.6	1	3	6	6	6
Average	89	60.8	12.9	25	144	103	118	136
Highest	100	62.6	14.8	29	148	113	135	143
Lowest	72	57.9	11.7	23	140	88	103	129

Agronomic Information

Planting Date:	10/18/2017
Harvest Date:	8/2/2018
Seeding Rate (seeds/ft ²):	24
Previous Crop:	Potatoes
Spring soil test:	
N (lb/ac) 4-ft sample	366
P (ppm-bicarb) 2-ft sample	50
S (lb/ac) 2-ft sample	173
pH (top 6 inches)	6.17
Herbicide:	
Huskie, Tilt on 04/19	

Trial Notes:

1. The Moses Lake nursery was located about 21 miles northeast of Moses Lake, WA.
2. The nursery was fertilizer at 215N 20P 50S. No additional N was applied in the spring after soil sampling.
3. Overall yield was 23% less than 2017 and grain test weight was 2.5 lb/bu less than last year. Protein levels are acceptable.

Cooperator S Stahl