

2018 WSU Variety Testing Hard Winter Wheat Trial, Horse Heaven

Variety Name	2018				2 Year	3 Year	5 Year*
	Yield (Bu/A)	Test WT (Lbs/Bu)	Protein (%)	Plant HT (In)	Average (Bu/A)	Average (Bu/A)	Average (Bu/A)
<i>Released Varieties</i>							
LCS Abraham	56	58.4	11.8	28			
Mandala	54	59.9	12.0	29	45		
Keldin	53	61.2	11.6	30	46	46	42
SY Touchstone	52	60.3	12.4	25	42	40	
LCS Rocket (NSA10-2196)	52	59.1	11.2	29			
Sequoia	51	61.3	11.9	35	43	42	40
LCS Jet	51	59.6	11.8	25	42	41	
SY Clearstone CL2	49	60.5	11.5	34	42	42	
WB4623CLP	44	60.8	13.3	30	39		
Whetstone	43	60.7	12.7	27	36	36	34
WB4311	42	62.5	12.2	28	36		
Farnum	41	59.9	12.2	33	34	34	35
WB4303	36	60.3	11.6	27			
<i>Experimental Lines</i>							
WA 8273	49	61.9	11.6	36	40		
WA 8286	49	58.8	11.8	29			
NSA12-2472	45	58.4	11.5	30			
LWW14-73915	45	59.4	11.5	29	39		
WA 8287	44	58.8	11.8	31			
C.V. %	8	1.1	3.8	5	8	9	9
LSD (0.05)	6	0.9	0.6	2	3	3	2
Average	48	60.1	11.9	30	40	40	38
Highest	56	62.5	13.3	36	46	46	42
Lowest	36	58.4	11.2	25	34	34	34

Agronomic Information

Planting Date:	10/26/2017
Harvest Date:	7/20/2018
Seeding Rate (seeds/ft ²):	13
Previous Crop:	Chem Fallow
Spring soil test:	
N (lb/ac) 4-ft sample	138
P (ppm-bicarb) 2-ft sample	46
S (lb/ac) 2-ft sample	14
pH (top 6 inches)	6.8

Trial Notes:

1. The Horse Heavens nursery was located about 14 miles southwest of Benton City, WA.
2. The nursery was fertilized at planting 50N 9P 9S with a no-till hoe drill.
3. Overall yield was 50% greater than 2017.

Cooperator C Smith

Herbicide: Tilt at 4 oz/ac was applied with herbicide on 04/20/17

* 5-Year average from 2018, 2017, 2016, 2014, 2013