

2018 WSU Variety Testing Soft Winter Wheat Trial, Horse Heaven

Variety Name <i>Club Italicized</i>	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)
Released Varieties							
Xerpha	65	60.1	10.2	32	50	46	41
<i>Pritchett</i>	63	58.8	10.5	31	49	44	
<i>ARS-Crescent</i>	63	59.0	10.4	29	46	40	37
<i>ARS-Castella (ARS20060123-31C)</i>	62	58.4	10.1	29	49	45	
Curiosity CL+	62	60.8	10.4	33	51	47	42
SY Command	62	58.4	9.8	29	46	43	
Dyna-Gro Impact	62	60.8	10.3	29			
Norwest Tandem	60	59.7	10.3	27	45		
WB1529	59	61.5	10.9	27	44	42	
WB1783	59	61.7	11.1	29	44		
LCS Hulk	59	60.8	10.8	30	49	45	
M-Press	57	59.9	10.5	29			
Puma	57	60.0	11.1	33	45	43	39
Jasper	55	57.7	11.0	29	44		40
LCS Sonic	55	58.5	11.5	30	46	44	
UI Sparrow	55	59.3	10.5	32	45	42	39
ORCF-102	55	60.2	11.2	32	44	43	
Mela CL+	54	61.0	10.5	34	47	45	41
SY Banks	54	57.8	10.8	31	44	41	
Otto	53	60.4	11.0	34	42	40	38
Eltan	53	60.0	10.9	31	45	43	39
WB1376CLP	53	61.1	11.6	31	43	40	
Norwest Duet	53	59.7	10.8	31	45	43	
SY Candor (09PN008#72)	52	59.4	11.5	29			
UI Magic CL+	51	61.0	11.3	27	42	40	
UI Castle CL+	51	59.6	11.4	31	42	39	
<i>Bruehl</i>	49	59.0	11.5	33	41	39	37
WB1604	47	60.5	10.6	29	38	37	
WB1532	46	58.9	12.2	28			
ORCF-103	43	60.8	11.6	30	36	36	35
Experimental Lines							
WA 8270	62	58.7	10.6	32	48		
KXB-01	61	60.0	10.4	33	53	48	
LWW15-71945	61	57.5	10.4	30			
IDO1708	61	58.0	10.2	32			
<i>ARSWA2J100065C</i>	60	56.8	10.5	28			
OR2121086	58	60.1	10.9	33	46		
LWW14-72916	58	60.2	9.8	27			
UIL 09-15702A	57	60.3	11.4	30	41		
UIL 07-28017B	55	59.9	10.3	29	41	40	
WA 8291	54	59.5	11.8	32			

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YS-205	54	60.1	11.0	29			
WA 8290	54	59.7	10.7	32			
<i>ARSDH08X117-83C</i>	54	60.2	11.4	28			
WA 8271	54	60.3	11.0	30	44		
IDO1005	50	60.2	11.6	30			
ORI2150031 CL+	49	58.8	12.1	29	42		
XB1104	44	62.6	11.0	26			
KWS147	40	61.6	11.3	27			
C.V. %	9	1.0	3.3	5	9	8	8
LSD (0.05)	7	0.8	0.5	2	4	3	2
Average	55	59.8	10.9	30	45	42	39
Highest	65	62.6	12.2	34	53	48	42
Lowest	40	56.8	9.8	26	36	36	35

Agronomic Information

Planting Date:	10/26/2017
Harvest Date:	7/20/2018
Seeding Rate (seeds/ft ²):	13
Previous Crop:	No-till 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 35N 6P 6S with a no-till hoe drill.
3. Overall yield was 67% 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