

2018 WSU Variety Testing Hard Spring Wheat Trial, Horse Heaven

Variety Name <i>Durum 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)
<i>Released Varieties</i>							
LCS Iron	38	62.3	12.6	26	41	33	28
SY Renegade (06PN3017-09)	37	60.4	13.2	26	39		
Alum	36	63.4	13.2	27	38	33	28
SY Gunsight	35	61.7	12.9	24	39	32	
LCS Luna	34	61.7	13.3	25	37	33	28
SY Coho	34	59.8	12.9	26	38	33	
Kelse	34	63.4	14.4	29	36	32	27
WB9879CLP	34	61.3	14.2	26			
Dayn	34	61.5	12.9	28			
WB7202CLP	33	61.7	12.2	22			
Glee	33	63.1	13.2	28	37	32	27
Chet	32	63.3	14.3	31	35	31	26
SY Selway	32	61.0	13.2	27	40	32	
WB9662	32	62.5	14.7	25	36		
WB9717	30	63.4	12.6	23			
SY605 CL	30	62.5	14.5	26	34	29	25
Hollis	30	63.0	14.5	35	32	29	25
WB9668	29	61.5	15.6	23	35	29	
WB9350	29	60.7	13.4	20	35		
WB9518	29	60.9	14.9	24	34	28	
LCS Buck Pronto	27	60.8	14.2	25	33	28	24
Soft Svevo	21	61.7	14.3	24			
<i>Experimental Lines</i>							
12SB0197	42	60.2	12.4	25	46	39	
12SB0224	37	60.1	12.6	24	40	36	
XB9591	36	62.3	12.0	24			
WA 8282	36	62.3	12.9	26	40		
WA 8280 CL+	35	63.6	13.9	28	38		
16-HRS-5172	35	57.8	12.6	25			
WA 8300 CL+	33	61.9	13.1	28			
WA 8301	32	62.8	13.2	27			
WA 8302 CL+	31	63.2	13.3	25			
WA 8299 CL+	30	64.2	13.7	29			
IDO1603S	29	60.0	14.6	23	36		
10PN3039-02	29	62.5	13.8	25			
XB9290	26	61.7	13.3	21			
IDO1701S	24	61.8	14.7	25			
C.V. %	9	1.6	2.1	7	9	9	9
LSD (0.05)	4	1.4	0.4	2	3	2	2
Average	32	61.8	13.5	26	37	32	26
Highest	42	64.2	15.6	35	46	39	28
Lowest	21	57.8	12.0	20	32	28	24

Agronomic Information

Planting Date:	3/23/2018
Harvest Date:	8/17/2018
Seeding Rate (seeds/ft ²):	13
Previous Crop:	Chem Fallow
Spring soil test:	
N (lb/ac) 4-ft sample	104
P (ppm-bicarb) 2-ft sample	25
S (lb/ac) 1-ft sample	8
pH (top 6 inches)	7.3

Herbicide:
Huskie, Tilt on 05/16/18

Trial Notes:

1. The Horse Heavens nursery was located about 7 miles southwest of Benton City, WA.
2. The nursery was seeded with the no-till hoe drill and fertilizer was applied at 35N in the fall.
3. Overall yield was 20% less than 2017, and grain test weight was 0.9 lb/bu more than last year

Cooperator: C. Smith