

2017 WSU Variety Testing Hard Spring Wheat Trial, Pullman

Variety Name	2017					2 Year	3 Year	5 Year*
	YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE	AVERAGE (BU/A)	AVERAGE (BU/A)	AVERAGE (BU/A)
RELEASED VARIETIES								
LCS Iron (11SB0096)	68	58.5	12.3	29	181	84	73	
Alum	66	60.2	13.7	33	179	78	72	73
LCS Luna (10SB0087-B)	65	60.1	13.3	29	179	80	71	
Chet	64	60.7	15.0	39	178	74	68	72
Kelse	63	59.5	14.0	34	179	63	59	64
Glee	63	59.8	13.6	33	177	73	68	72
SY Gunsight (06PN3015-08)	62	59.0	13.4	29	178	78		
WB9229	61	59.4	14.4	29	179	80	71	
LCS Buck Pronto	60	57.6	15.5	31	177	70	64	67
SY Coho (04W40292R)	59	55.7	14.5	30	180	72	64	
WB9411	59	59.9	14.2	29	177			
WB9662	57	60.1	14.8	29	180			
SY Selway (04PN3001-2)	57	57.7	14.4	33	179	75	69	
SY605 CL	57	60.2	14.1	34	176	59	55	61
SY Steelhead	57	61.6	13.9	31	180	66	61	
WB9350	56	58.6	13.1	24	177			
WB9518	56	59.4	15.1	29	176	74	66	
WB9668	55	60.1	14.5	28	176	72	64	
Hollis	53	59.3	14.9	38	178	61	58	63
WB9200	53	60.9	14.6	29	176	72		
EXPERIMENTAL LINES								
12SB0197	68	58.0	12.8	30	182	86		
12SB0224	67	57.5	13.2	29	181	82		
06PN3017-09	66	58.4	14.1	31	179			
WA 8281	65	60.2	13.9	35	179			
12SB0199	64	57.6	12.6	28	179	82		
WA 8282	61	59.7	13.4	31	178			
WA 8261	61	60.6	13.4	33	178	69		
XA9861	61	61.2	12.8	31	183			
WA 8279 CL+	60	59.7	13.3	31	179			
WA 8280 CL+	60	59.4	14.3	31	182			
WA 8259	60	60.6	14.6	35	178	67		
500-709	60	59.0	12.7	29	179			
WQL17SSV16882-3 (Durum)	59	58.5	14.0	29	180			
WQL18SALZ-1 (Durum)	58	59.6	14.5	32	178			
501-089	57	57.4	13.7	23	178			
IDO1603S	56	59.3	13.7	29	177			
C.V. %	6	1	3	3	0	5	5	5
LSD (0.05)	5	0.8	0.6	1	1	3	2	2
Average	60	59.3	13.9	31	179	74	66	67
Highest	68	61.6	15.5	39	183	86	73	73
Lowest	53	55.7	12.3	23	176	59	55	61

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Agronomic Information

Planting Date: 5/4/2017
Harvest Date: 8/14/2017
Seeding Rate (seeds/ft²): 22
Previous Crop: Winter Wheat
Spring soil test (pre-fertilizer):
 N (lb/ac) 4-ft sample 104
 P (ppm-bicarb) 2-ft sample 100
 S (lb/ac) 2-ft sample 29
 pH (top foot) 5.52

Herbicide:

Affinity Broadspec, Huskie, Dagger MCPA, Tilt
applied on 6/2

Trial Notes:

- 1.** The Pullman nursery was located about 1.5 miles southeast of Pullman, WA on the WSU Spillman Agronomy Farm. All yield, test weight, and protein values within the 5% range of the highest value are shown in bold.
- 2.** An additional 140#N was applied prior to planting (not accounted for in soil sample).
- 3.** One fungicide application kept stripe rust under control.
- 4.** Planting date was slightly delayed due to wet conditions and yield potential decreased as a result.

Cooperator: WSU Spillman Agronomy Farm

* 5-Year average from 2017, 2016, 2015, 2013, 2012