

2017 WSU Variety Testing Hard Spring Wheat Trial, Dayton

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)	47	58.9	12.9	24	174	55	47	45
LCS Luna (10SB0087-B)	44	58.8	13.4	25	173	52	46	
Kelse	42	59.5	14.7	30	172	50	43	43
Alum	42	60.1	14.2	29	173	52	44	44
Chet	42	61.0	15.1	33	171	48	43	43
Glee	41	60.3	14.4	29	170	51	44	43
SY Gunsight (06PN3015-08)	39	58.7	14.0	24	170	47		
SY Selway (04PN3001-2)	39	58.3	14.3	28	170	49	42	
Hollis	39	58.8	14.9	34	170	42	38	38
SY Steelhead	38	61.9	14.7	27	174	46	40	
WB9229	38	60.4	14.6	24	175	45	40	
WB9411	38	61.0	15.1	26	168			
SY605 CL	38	61.4	14.7	29	169	45	37	38
LCS Buck Pronto	37	59.6	15.3	27	169	43	38	40
WB9662	37	61.1	15.3	25	175			
SY Coho (04W40292R)	37	56.5	14.9	25	174	48	42	
WB9668	36	60.6	16.8	24	169	44	38	
WB9518	36	59.4	16.3	25	170	43	38	
WB9350	35	59.3	14.2	21	169			
WB9200	33	62.2	15.4	24	169	38		
EXPERIMENTAL LINES								
12SB0224	46	58.0	13.1	24	176	53		
12SB0197	46	58.2	13.5	24	174	58		
WA 8282	43	61.0	13.6	27	170			
12SB0199	43	58.5	12.6	24	172	53		
WA 8261	43	61.0	14.2	28	169	49		
06PN3017-09	42	59.2	14.1	27	170			
WA 8279 CL+	42	60.4	14.5	26	171			
WA 8259	42	61.3	16.0	31	169	46		
WA 8280 CL+	42	60.7	14.7	28	174			
WA 8281	41	61.2	14.3	30	169			
500-709	40	59.7	13.6	24	172			
XA9861	39	61.8	13.2	23	175			
IDO1603S	38	60.2	15.3	26	169			
WQL17SSV16882-3 (Durum)	33	60.3	14.1	24	174			
WQL18SALZ-1 (Durum)	32	59.7	14.8	25	171			
501-089	31	55.8	14.4	20	173			
C.V. %	4	1	3	3	1	5	5	7
LSD (0.05)	2	0.9	0.5	1	1	2	2	2
Average	39	59.9	14.5	26	171	48	41	42
Highest	47	62.2	16.8	34	176	58	47	45
Lowest	31	55.8	12.6	20	168	38	37	38

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Agronomic Information

Planting Date: 4/28/2017

Harvest Date: 8/16/2017

Seeding Rate (seeds/ft²): 20

Previous Crop: Winter Wheat

Spring soil test:

N (lb/ac) 4-ft sample 55

P (ppm-bicarb) 2-ft sample 84

S (lb/ac) 2-ft sample 35

pH (top six inches) 5.51

Herbicide:

Affinity, Huskie, Dagger MCPA & Tilt
applied on 6/6

Trial Notes:

- 1.** The Dayton nursery was located about 6 miles northwest of Dayton, WA. All yield, test weight, and protein values within the 5% LSD range of the highest value are shown in bold.
- 2.** Base fertilizer applied prior to planting (not accounted for in soil sample) was: 125#N, 15#P, 20#S.
- 3.** One fungicide application kept stripe rust under control.

Cooperator: J. Penner