

2017 WSU Variety Testing Hard Spring Wheat Trial, Farmington

Variety Name	2017				2 Year	3 Year	5 Year
	YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	AVERAGE (BU/A)	AVERAGE (BU/A)	AVERAGE (BU/A)
RELEASED VARIETIES							
Glee	55	60.5	11.6	31	71	71	73
LCS Iron (11SB0096)	52	56.3	12.1	27	68	67	68
SY Selway (04PN3001-2)	51	58.4	11.4	31	69	67	
WB9411	51	59.8	12.6	27			
Hollis	50	59.2	12.8	39	61	63	64
WB9518	50	60.4	12.6	25	62	64	
Chet	49	61.4	13.7	38	66	68	68
Kelse	49	59.6	13.1	29	62	63	67
SY Gunsight (06PN3015-08)	49	58.5	12.4	27	65		
LCS Luna (10SB0087-B)	48	60.0	12.1	27	63	65	
Alum	48	59.0	12.2	29	64	66	66
SY605 CL	48	59.9	12.6	33	59	61	65
WB9200	47	61.3	11.9	26	61		
LCS Buck Pronto	46	57.6	14.6	28	59	60	64
SY Steelhead	45	61.4	12.8	29	59	62	
WB9662	45	59.9	13.8	25			
WB9668	44	59.4	13.8	25	57	60	
WB9229	43	60.0	13.3	23	57	57	
WB9350	43	58.3	12.8	22			
SY Coho (04W40292R)	42	56.2	14.3	26	65	64	
EXPERIMENTAL LINES							
WA 8282	53	59.3	12.6	28			
12SB0224	52	58.2	11.1	25	67		
06PN3017-09	51	57.9	12.2	28			
12SB0197	50	57.3	11.7	26	73		
WA 8261	49	60.5	12.0	31	64		
500-709	48	56.9	11.6	24			
WA 8259	47	60.4	12.7	30	65		
WA 8281	46	60.2	12.6	31			
XA9861	46	61.6	12.2	25			
WA 8280 CL+	46	61.3	13.2	27			
WA 8279 CL+	45	59.5	11.8	28			
12SB0199	44	56.1	11.8	26	68		
IDO1603S	43	59.5	12.7	26			
501-089	42	57.3	12.5	22			
WQL18SALZ-1 (Durum)	41	59.0	13.5	28			
WQL17SSV16882-3 (Durum)	38	58.1	12.0	25			
C.V. %	8	2	6	5	8	7	7
LSD (0.10)	4	1.2	0.8	1	4	3	2
Average	47	59.2	12.6	28	64	64	67
Highest	55	61.6	14.6	39	73	71	73
Lowest	38	56.1	11.1	22	57	57	64

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Agronomic Information

Planting Date: 5/10/2017
Harvest Date: 9/5/2017
Seeding Rate (seeds/ft²): 22
Previous Crop: Winter Wheat
Spring soil test:
 N (lb/ac) 4-ft sample 74
 P (ppm-bicarb) 2-ft sample 41
 S (lb/ac) 2-ft sample 16
 pH (top six inches) 5.81
Herbicide:
Huskie & Tilt applied at herbicide
timing

Trial Notes:

- 1.** The Farmington nursery was located about 4 miles southwest of Farmington, WA. All yield, test weight, and protein values within the 5% LSD range of the highest value are shown in bold.
- 2.** Preplant fertilizer applied was 93#N. An additional 88#N was topdressed to the hard trial.
- 3.** Note that this location had a highly significant rep effect. Meaning, yields increased from one rep to another (for all entries). This trend was consistent across the trial and the data are still usable.
- 4.** Hessian fly was easy to find in this trial and likely impacted yield of susceptible entries.

Cooperator: B. Nelson