

2017 WSU Variety Testing Hard Winter Wheat Trial, St. Andrews

Variety Name <i>Hard White Italicized</i>	2017					2 Year	3 Year	5 Year
	YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	SNOW MOLD ¹	AVERAGE (BU/A)	AVERAGE (BU/A)	AVERAGE (BU/A)
RELEASED VARIETIES								
WB-Arrowhead	51	61.9	11.3	39	7.3	--	--	--
LCS Jet	50	58.9	9.5	30	6.7	--	--	--
Keldin	49	62.3	11.5	34	7.0	--	--	--
LCS Colonia	44	57.3	10.1	31	5.7	--	--	--
Sequoia (WA 8180)	44	61.8	10.2	43	7.3	--	--	--
Mandala	43	60.5	11.5	35	6.3	--	--	--
WB4623CLP	42	61.8	13.2	34	5.7	--	--	--
Farnum	41	58.8	11.5	42	6.7	--	--	--
SY Clearstone CL2	39	60.3	10.8	39	5.3	--	--	--
Whetstone	36	61.9	12.2	32	4.7	--	--	--
AP503 CL2	32	63.4	12.8	31	6.7	--	--	--
SY Touchstone	31	62.2	12.9	29	4.0	--	--	--
EXPERIMENTAL LINES								
WA 8272	52	60.4	12.3	41	7.0	--	--	--
LWW14-73915	52	58.7	10.7	33	7.0	--	--	--
XA4104	44	62.3	10.9	30	7.7	--	--	--
WA 8273	39	61.9	10.5	41	6.7	--	--	--
WA 8247	38	58.9	9.9	34	6.7	--	--	--
XA4103	36	63.0	11.3	31	6.0	--	--	--
C.V. %	12	1	7	5	12	--	--	--
LSD (0.05)	7	1.1	1.0	2	1.0	--	--	--
Average	42	60.9	11.3	35	6.4	--	--	--
Highest	52	63.4	13.2	43	7.7	--	--	--
Lowest	31	57.3	9.5	29	4.0	--	--	--

Agronomic Information

Planting Date: 9/12/2016
 Harvest Date: 8/10/2017
 Seeding Rate (seeds/ft²): 12
 Previous Crop: Fallow
 Spring soil test:
 N (lb/ac) 3-ft sample 208
 P (ppm-bicarb) 2-ft sample 42
 S (lb/ac) 2-ft sample 35
 pH (top 6 inches) 5.75
 Herbicide:
 PowerFlex, Huskie, Tilt, Quilt applied on 4/19.

Trial Notes:

1. The St. Andrews nursery was located about 7 miles west of Coulee City, WA. All yield, test weight and protein values within the 5% LSD range of the highest value are shown in bold.
2. We had to plant fairly deep to hit moisture last fall and emergence was a struggle for some entries.
3. Snow mold severely impacted yield potential of many lines and contributed to the higher CV.
4. ¹ Snow mold ratings are based on spring regrowth/recovery from the disease (9=complete regrowth, 1=complete death).
5. Despite the higher amount of variation, this is still a useful trial, especially for Douglas County.

Cooperator: L. Tanneberg