

2017 WSU Variety Testing Hard Winter Wheat Trial, Ritzville

Variety Name	2017						2 Year*	3 Year**	5 Year***
	YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE	LODGING (%)	AVERAGE (BU/A)	AVERAGE (BU/A)	AVERAGE (BU/A)
RELEASED VARIETIES									
LCS Jet	91	61.0	8.6	35	146	0	60	54	
LCS Colonia	87	58.2	9.0	34	151	0	60	54	
WB-Arrowhead	83	62.4	9.6	42	148	0	52	57	
SY Touchstone	79	62.4	10.1	32	145	0			
Whetstone	78	62.9	9.6	38	143	0	52	54	
SY Clearstone CL2	78	61.5	10.6	40	148	0	55		
WB4623CLP	78	62.4	11.0	36	150	0			
Keldin	76	62.5	9.4	37	147	0	50	53	
AP503 CL2	76	63.7	10.7	35	143	0	51	55	
Mandala	71	63.3	10.4	37	152	0			
Sequoia (WA 8180)	70	61.1	9.6	49	157	22	52	51	
Farnum	57	58.7	10.3	48	157	20	46	48	50
EXPERIMENTAL LINES									
LWW14-73915	97	59.0	9.5	37	141	0			
XA4104	91	63.1	9.5	36	144	0			
WA 8247	89	61.8	9.7	44	148	0			
WA 8273	77	63.0	10.4	47	148	23			
XA4103	75	64.2	9.6	36	141	0			
WA 8272	73	61.5	10.4	48	147	20			
C.V. %	5	1	8	4	1	--	6	7	8
LSD (0.05)	6	0.9	1.1	2	2	8	4	3	3
Average	79	61.8	9.9	40	148	5	53	53	50
Highest	97	64.2	11.0	49	157	23	60	57	50
Lowest	57	58.2	8.6	32	141	0	46	48	50

Agronomic Information

Planting Date:	9/9/2016
Harvest Date:	7/28/2017
Seeding Rate (seeds/ft ²):	12
Previous Crop:	Fallow
Spring soil test:	
N (lb/ac) 4-ft sample	165
P (ppm-bicarb) 2-ft sample	96
S (lb/ac) 4-ft sample	15
pH (top 6 inches)	5.6

Herbicide:
PowerFlex, Huskie, Tilt applied on 4/19; Priaxor applied on 5/26.

Trial Notes:

1. The Ritzville nursery was located about 5 miles west of Ritzville, 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 50#N and 7#S.
3. This nursery looked good all year and produced very uniform results.
4. Even with the second fungicide application, there was still active rust on susceptible entries that likely limited yield potential.

Cooperator: R. Jirava

* 2-year average from 2017 & 2015

** 3-year average from 2017, 2015, 2014

*** 5-year average from 2017, 2015, 2014, 2013, 2012