

2017 WSU Variety Testing Hard Winter Wheat Trial, Horse Heaven

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							
Keldin	39	61.7	12.5	29	43	37	--
Mandala	36	60.7	13.2	27			--
LCS Colonia	35	56.0	12.1	27	37	33	--
SY Clearstone CL2	35	61.2	14.0	31	38		--
Sequoia (WA 8180)	35	60.2	12.4	34	37	34	--
LCS Jet	33	60.2	12.6	24	36	31	--
WB4623CLP	33	60.9	14.0	26			--
SY Touchstone	31	61.6	13.7	25	34		--
WB-Arrowhead	30	63.2	13.5	28	35	32	--
Whetstone	29	61.7	13.9	29	33	30	--
Farnum	28	57.9	13.5	31	31	29	--
AP503 CL2	20	65.5	14.3	25	21	21	--
EXPERIMENTAL LINES							
WA 8247	35	60.3	12.2	29	39		--
LWW14-73915	32	59.2	12.9	26			--
WA 8272	32	60.4	13.2	30			--
WA 8273	31	60.1	13.2	34			--
XA4104	29	62.4	14.5	25			--
XA4103	28	62.7	13.3	24			--
C.V. %	9	2	3	4	10	9	
LSD (0.05)	4	1.7	0.5	2	3	2	--
Average	32	60.9	13.3	28	35	31	--
Highest	39	65.5	14.5	34	43	37	--
Lowest	20	56.0	12.1	24	21	21	--

Agronomic Information

Planting Date:	10/11/2016
Harvest Date:	7/26/2017
Seeding Rate (seeds/ft ²):	12
Previous Crop:	Fallow
Spring soil test:	
N (lb/ac) 4-ft sample	84
P (ppm-bicarb) 2-ft sample	25
S (lb/ac) 4-ft sample	18
pH (top 6 inches)	6.87

Herbicide:
PowerFlex on 11/9; Huskie, Tilt on 4/18; Second fungicide application by air in late-May.

Trial Notes:

1. The Horse Heaven nursery was located about 12 miles SE of Prosser, WA. All yield, test weight, and protein values within the 5% LSD of the highest value are shown in bold.
2. This location was planted with our no-till drill. Fertilizer at planting was 65#N, 11#P, 11#S. An additional 20#N was top dressed in the spring.
3. For comparison: The border of Buchanan in the trial yielded 36 BU/A, and Brawl CL+ went 21 BU/A.

Cooperator: C. Smith

* 3-Year average from 2017, 2016, 2014