

2017 WSU Variety Testing SW Winter Wheat Trial, Horse Heaven

Variety Name <i>Club Italicized</i>	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)
<b>RELEASED VARIETIES</b>							
Curiosity CL+	41	60.1	11.7	30	40	36	--
Mela CL+	41	60.1	11.6	31	40	36	--
<i>Coda</i>	39	60.2	12.3	29	38	35	--
Norwest Duet (LOR-092)	38	58.6	12.1	30	38		--
Eltan	36	59.6	12.3	28	38	34	--
SY Banks (SY 09PN005#25)	35	57.6	12.4	28	35		--
Xerpha	35	59.2	12.1	27	37	33	--
UI Sparrow (IDO1108DH)	35	58.0	12.4	30	36	34	--
<i>Pritchett (4J0713366C)</i>	34	58.3	12.2	26	35	32	--
Puma	34	60.5	12.4	28	36	33	--
ORCF-102	34	59.8	12.8	27	37	34	--
<i>Bruehl</i>	34	58.6	12.5	28	34	32	--
WB1843	34	59.6	12.5	27	33		--
Legion	33	58.1	12.7	29	35		--
UI Castle CL+	33	58.5	13.3	26	33		--
Jasper	33	55.3	13.0	27			--
UI Magic CL+	33	60.9	12.7	26	34		--
WB1376CLP	33	62.0	13.5	27	34		--
Otto	31	59.3	12.9	28	34	32	--
SY 107	31	58.0	12.3	26	34		--
Norwest Tandem (LOR-334)	30	59.3	11.9	23			--
<i>ARS-Crescent</i>	30	57.5	12.8	24	29	28	--
Mary	30	59.1	13.1	25	34		--
WB1783	30	62.4	13.9	26			--
SY Command (SY 04PN066-7)	30	57.2	12.0	25	33		--
Masami	29	57.1	13.0	26	32	29	--
ORCF-103	29	58.0	13.1	26	32	31	--
WB1604	29	61.0	13.4	26	32		--
WB1529	28	62.3	14.2	26	34		--
<b>EXPERIMENTAL LINES</b>							
KXB-01	45	59.0	11.8	29	42		--
LWW14-73163	38	59.3	11.9	29	38		--
LWW14-73161	37	58.3	12.4	28	39		--
<i>ARS20060123-31C</i>	36	56.9	11.5	26	37		--
ORI2150031 CL+	35	57.3	13.6	27			--
IDN 06-03303B	35	57.9	12.2	26			--
OR2121086	34	58.8	12.6	28			--
WA 8276	34	57.3	11.7	25			--
WA 8271	34	60.2	12.2	27			--
WA 8227	33	59.1	12.1	28	33		--
WA 8270	33	56.5	13.0	27			--
WA 8226	33	57.5	12.7	27	37		--
XA1101 CL+	32	59.9	13.6	26			--
<i>ARSDH08028-111C</i>	31	59.7	13.1	23			--

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<b>KWS 145</b>	31	60.9	11.5	25			--
<b>LWW14-74143</b>	30	56.8	11.3	25			--
<b>XA1401 CL+</b>	29	60.5	13.9	26			--
<b>IDN 07-28017B</b>	28	58.3	12.3	26	33		--
<b>IDN 09-15702A</b>	26	60.4	14.9	27			--
<b>C.V. %</b>	9	2	3	4	8	8	--
<b>LSD (0.05)</b>	4	1.2	0.5	2	3	2	--
<b>Average</b>	33	59.0	12.6	27	35	33	--
<b>Highest</b>	45	62.4	14.9	31	42	36	--
<b>Lowest</b>	26	55.3	11.3	23	29	28	--

### Agronomic Information

Planting Date:	10/11/2016
Harvest Date:	7/26/2017
Seeding Rate (seeds/ft <sup>2</sup> ):	12
Previous Crop:	Fallow
Spring soil test:	
N (lb/ac) 4-ft sample	84
P (ppm-bicarb) 2-ft sample	25
S (lb/ac) 2-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 and test weight 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.

**Cooperator:** C. Smith

\* 3-Year average from 2017, 2016, 2014