

2017 WSU Variety Testing SW Winter Wheat Trial, Fairfield

Variety Name <i>Club Italicized</i>	2017					2 Year	3 Year*	5 Year**
	YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE	AVERAGE (BU/A)	AVERAGE (BU/A)	AVERAGE (BU/A)
<b>RELEASED VARIETIES</b>								
Rosalyn	123	59.0	8.7	42	162	129	118	96
Norwest Tandem (LOR-334)	122	60.9	9.3	38	159			
<i>ARS-Crescent</i>	121	61.1	9.0	41	168	126	121	107
WB1529	119	62.1	10.0	39	159	111		
Norwest Duet (LOR-092)	119	61.2	9.5	44	164	119		
SY Dayton (SY 09PN062#18)	114	61.3	9.8	37	159	115		
SY Assure	113	60.5	9.8	36	156	109		
Mary	113	60.9	8.9	40	160	111	109	96
Jasper	111	59.4	8.9	40	162			
Xerpha	110	60.3	9.8	39	164	114	113	92
Bobtail	108	57.5	8.7	38	162	109	109	93
WB-528	107	61.6	9.6	39	157	107	103	84
ORCF-102	107	61.1	9.8	40	162	110	105	93
Puma	106	60.6	9.5	44	161	111	105	90
SY 107	105	61.4	9.5	39	161	112	109	
Resilience CL+ (WA 8187)	104	60.8	9.4	37	163	109	106	
<i>Cara</i>	104	59.4	9.9	39	165	110	105	89
SY Raptor (SY 46#16)	103	59.9	9.4	39	158			
UI Palouse CL+	103	59.5	9.6	37	162	109		
Legion	103	59.8	9.2	42	162	108	105	
WB1783	102	62.9	10.2	40	160			
Madsen	100	60.8	10.0	40	164	107	103	90
UI Castle CL+	100	62.0	9.5	41	163	110		
WB1604	100	61.1	9.5	39	157	103		
LCS Artdeco	98	60.2	10.0	34	157	106	101	87
Brundage 96	98	60.3	9.4	38	160			
UI Magic CL+	97	61.6	10.2	37	159	98		
SY Ovation	95	60.5	9.4	38	159	102	101	
UI-WSU Huffman	94	60.8	9.8	40	164	101	100	
WB1376CLP	93	63.4	10.8	39	158	93		
ARS-Selbu	93	61.8	10.2	35	164	107	104	87
UI Sparrow (IDO1108DH)	93	59.1	9.1	40	165	112	109	
LCS Drive (LWW12-7105)	91	58.6	9.7	31	156			
WB 456	91	62.2	10.3	36	157			
<b>EXPERIMENTAL LINES</b>								
KXB-01	116	60.9	9.2	41	163	116		
LWW14-72916	112	59.3	9.2	35	159			
LWW14-73163	112	60.0	9.2	41	159	114		
WA 8232	111	61.5	9.0	40	163	112		
IDN 06-03303B	110	60.3	9.1	39	160	114		
IDN 07-28017B	107	61.5	10.2	38	159	109		
IDN 09-15702A	107	61.3	9.7	40	160			
OR2101043	107	60.2	9.2	39	161			
LWW14-71195	106	59.6	9.8	39	158			

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<b>WA 8234</b>	<b>106</b>	61.4	9.0	39	157	113		
<b>WA 8274 CL+</b>	<b>105</b>	60.8	10.2	40	163			
<i>ARSDH08028-44C</i>	<b>105</b>	61.0	9.5	37	161			
<b>OR2121086</b>	104	61.2	10.1	40	161			
<b>WA 8245</b>	99	60.1	10.3	38	163	111		
<i>ARS20040150-2C</i>	91	59.4	9.4	38	166			
<b>YS-206</b>	90	60.8	9.6	39	160			
<b>KWS 145</b>	89	61.6	9.9	37	157			
<b>ORI2150031 CL+</b>	89	60.4	10.4	39	161			
<b>XA1101 CL+</b>	84	62.2	11.3	38	157			
<b>XA1401 CL+</b>	69	62.2	11.9	36	159			
<b>C.V. %</b>	13	1	5	4	0	10	9	9
<b>LSD (0.05)</b>	18	0.4	0.6	2	1	10	7	5
<b>Average</b>	103	60.7	9.7	39	161	110	106	92
<b>Highest</b>	123	63.4	11.9	44	168	129	121	107
<b>Lowest</b>	69	57.5	8.7	31	156	93	91	84

### Agronomic Information

Planting Date:	10/12/2016
Harvest Date:	8/23/2017
Seeding Rate (seeds/ft <sup>2</sup> ):	24
Previous Crop:	Lentils
Spring soil test:	
N (lb/ac) 4-ft sample	139
P (ppm-bicarb) 2-ft sample	51
S (lb/ac) 2-ft sample	38
pH (top 6 inches)	5.86
Herbicide:	
Huskie, MCPA & Tilt applied on,	5/11

### Trial Notes:

1. The Fairfield nursery was located about 5 miles east of Fairfield, WA. All yield and test weight values within the 5% LSD range of the highest value are shown in bold.
2. This location was planted with our no-till drill with cross-slot openers. Fertilizer applied at planting was: 90#N, 16#P, 16#S.
3. An additional 55#N was top dressed in the spring.
4. Note that this trial had more plot-to-plot variability than normal.
5. Stripe rust was not a factor at this location.

**Cooperator:** D. Degon

\* = 3-year data from 2017, 2016, 2014

\*\* = 5-year data from 2017, 2016, 2014, 2013, 2012