

2017 WSU Variety Testing SW Winter Wheat Trial, Colton

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)
RELEASED VARIETIES								
Norwest Tandem (LOR-334)	148	60.5	10.2	35	158			
Jasper	147	59.2	10.5	39	162			
LCS Artdeco	146	60.4	9.8	34	156	146	131	121
Xerpha	145	61.0	10.2	39	164	145	135	126
SY Dayton (SY 09PN062#18)	142	60.6	9.8	37	159	148		
SY 107	141	60.4	9.9	38	161	146	131	
Norwest Duet (LOR-092)	139	60.6	10.1	43	163	140		
Rosalyn	139	59.3	9.2	38	160	155	137	122
SY Raptor (SY 46#16)	137	59.6	9.8	37	158			
UI-WSU Huffman	136	60.0	10.7	40	164	137	127	121
Bobtail	136	57.0	9.1	36	160	145	132	122
UI Sparrow (IDO1108DH)	135	59.5	9.6	40	165	146		
SY Assure	134	61.4	10.7	35	155	143		
ORCF-102	134	61.4	10.8	40	163	136	125	
Resilience CL+ (WA 8187)	134	60.8	10.6	38	162	140	126	
Legion	134	59.6	9.8	39	162	142	129	121
Madsen	133	60.9	10.9	39	163	137	124	115
Brundage 96	132	59.6	11.1	38	160			
<i>Cara</i>	132	57.9	10.7	36	165	136	126	114
UI Castle CL+	131	61.8	10.1	39	161	143		
WB1529	131	62.2	10.3	37	157	135	122	
WB-528	131	61.5	10.0	37	157	139	123	114
WB1604	131	59.8	10.1	36	156	141	122	
<i>ARS-Crescent</i>	130	59.3	10.1	40	167	142	134	122
WB1783	129	62.3	10.5	39	160			
Puma	128	60.2	9.8	42	161	131	125	119
LCS Drive (LWW12-7105)	127	58.2	10.3	31	156			
SY Ovation	127	59.8	9.8	38	159	136	125	118
UI Magic CL+	127	60.7	10.6	36	158	138		
Mary	127	61.3	9.9	37	158	138	124	116
WB1376CLP	125	63.4	12.0	37	158	127		
ARS-Selbu	125	61.4	10.3	36	162	135	127	116
UI Palouse CL+	121	60.2	10.6	37	162	129		
WB 456	120	62.2	10.6	36	156			
EXPERIMENTAL LINES								
<i>ARSDH08028-44C</i>	151	61.1	11.1	38	160			
IDN 06-03303B	144	59.8	10.0	38	160	148		
OR2101043	144	60.8	10.5	39	161			
KXB-01	143	60.6	10.3	40	162	147		
LWW14-73163	140	61.0	9.8	41	158	149		
WA 8234	139	61.1	9.9	37	158	150	131	
LWW14-72916	138	59.2	9.0	32	157			
OR2121086	138	60.7	10.5	39	161			
LWW14-71195	136	59.8	10.2	36	158			

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IDN 07-28017B	134	62.1	10.2	39	159	143		
WA 8232	134	61.3	9.3	39	162	143	131	
WA 8274 CL+	132	60.1	10.6	39	163			
WA 8245	131	60.0	10.0	38	164	141		
IDN 09-15702A	129	61.1	10.7	40	159			
<i>ARS20040150-2C</i>	128	59.4	9.7	38	165			
KWS 145	123	60.8	10.1	36	157			
ORI2150031 CL+	121	60.6	11.1	39	161			
YS-206	119	59.8	10.5	37	160			
XA1101 CL+	109	62.0	11.3	37	157			
XA1401 CL+	96	62.5	12.8	37	159			
C.V. %	6	1	5	3	0	6	6	6
LSD (0.05)	12	0.9	0.7	2	1	8	6	4
Average	133	60.5	10.3	38	160	141	126	119
Highest	151	63.4	12.8	43	167	155	137	131
Lowest	96	57.0	9.0	31	155	127	107	103

Agronomic Information

Planting Date:	10/12/2016
Harvest Date:	8/16/2017
Seeding Rate (seeds/ft ²):	24
Previous Crop:	Chickpeas
Spring soil test:	
N (lb/ac) 4-ft sample	180
P (ppm-bicarb) 2-ft sample	73
S (lb/ac) 2-ft sample	59
pH (top 6 inches)	5.23

Herbicide:

Anthem Flex on 10/19; Starane Flex, Propistar,
Evito on 4/21; Propiconazole, Acadia,
Dimethoate on 6/2

Trial Notes:

1. The Colton nursery was located about 1/2 mile south of Colton, WA. All yield and test weight values within the 5% LSD range of the highest value are shown in bold.
2. This was a no-till location and fertilizer applied at planting was: An additional 20#N was applied via streamer nozzles on 4/6.
3. This trial received two fungicide applications and stripe rust was not an issue.

Cooperator: A. Schultheis