

2018 WSU Variety Testing Soft Winter Irrigated Wheat Trial, Pasco

Variety Name	2018						2 Year	3 Year	5 Year
	Yield (Bu/A)	Test WT (Lbs/Bu)	Protein (%)	Plant HT (In)	Head Date	Lodging (%)	Average (Bu/A)	Average (Bu/A)	Average (Bu/A)
<i>Released Varieties</i>									
SY Assure	107	58.8	13.2	31	126	0	122	122	--
LCS Drive	105	58.3	12.9	30	125	0	120		--
WB1783	103	59.3	13.4	36	132	0	119		--
LCS Shark	100	58.3	12.8	36	127	0	120	127	--
SY Raptor	100	55.5	12.6	32	128	0			--
LCS Artdeco	99	58.3	12.2	29	127	0	121	124	--
WB1529	98	55.4	12.9	32	132	0	115	114	--
SY Ovation	97	55.0	12.7	35	132	0	121	125	--
Norwest Tandem	96	58.4	13.0	29	126	0	116		--
WB-528	94	54.6	14.0	34	128	0	117		--
PNW Hailey	93	57.3	12.8	36	130	0			--
Purl (WA 8234)	92	55.1	13.6	33	130	0	116		--
WB1532	90	53.2	14.7	34	134	2			--
LCS Hulk	90	54.8	14.3	33	134	0	120	131	--
SY Dayton	89	51.1	13.0	35	134	0	116	115	--
Bobtail	89	50.6	12.8	35	133	0	122	125	--
WB1604	88	58.4	13.2	31	128	0	111	117	--
Rosalyn	88	50.1	13.8	38	134	10	120	120	--
Puma	86	53.8	13.7	41	134	0	113	119	--
Norwest Duet	86	50.2	14.3	40	132	17	119	118	--
Dyna-Gro Impact	86	52.9	14.0	36	132	0			--
UI Magic CL+	85	56.2	14.0	31	127	0	110	117	--
WB1376CLP	84	54.6	16.2	36	134	0	105	109	--
Resilience CL+	81	55.3	13.8	33	135	0		103	--
Jasper	80	52.2	13.7	33	133	0	114		--
UI Palouse CL+	76	49.7	15.5	32	134	0	95	106	--
UI Castle CL+	75	51.2	15.0	35	135	0	103	104	--
<i>Experimental Lines</i>									
LWW14-72916	107	58.3	11.7	30	127	0	129		--
UIL 07-28017B	101	57.6	13.6	34	127	0	120	131	--
LWW14-74143	99	56.7	11.7	34	127	0	126		--
XB1104	98	56.6	14.5	32	125	0			--
LWW15-71945	97	50.6	13.4	34	132	0			--
IDO1708	95	50.7	13.2	35	131	0			--
IDN 15-72458DH	85	50.2	14.4	36	133	0			--
OR2121086	82	57.0	13.3	34	129	0	103		--
WA 8232	82	54.0	14.2	38	134	0	110	116	--
WA 8275 CL+	82	49.1	15.2	34	133	0			--
WA 8293	81	50.5	14.6	37	134	0			--
ORI2150061 CL+	80	57.1	14.7	34	130	0			--
YS-205	71	52.0	14.5	33	135	0			--
ORI2150031 CL+	68	50.3	14.9	37	135	0	96		--
WA 8274 CL+	67	49.5	15.8	34	135	10			--

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C.V. %	8	3.9	5.3	5	1	538	6	8	--
LSD (0.05)	9	2.9	1.0	2	1	7	7	7	--
Average	89	54.3	13.8	34	131	1	115	118	--
Highest	107	59.3	16.2	41	135	17	129	131	--
Lowest	67	49.1	11.7	29	125	0	95	103	--

Agronomic Information

Planting Date:	10/16/2017
Harvest Date:	7/11/2018
Seeding Rate (seeds/ft ²):	24
Previous Crop:	Onions
Spring soil test:	
N (lb/ac) 4-ft sample	133
P (ppm-bicarb) 2-ft sample	66
S (lb/ac) 2-ft sample	42
pH (top 6 inches)	7.5
Herbicide:	

Trial Notes:

1. The Pasco nursery was located about 11 miles northeast of Pasco, WA.
2. Base fertilizer (applied after soil test) was 300# N
3. Overall yield was 35% lower than 2017 and lower than anticipated grain test weight.

Cooperator J Macbeth