



## 2024 OREGON SOFT WINTER WHEAT YIELD TRIALS Walla Walla (Conventional Tillage)



**Oregon State  
University**

Site Description: Some varieties experienced severe lodging due to overfertilization.  
Trial was conducted in collaboration with WSU and Northwest Grain Growers

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Variety	Herbicide Traits	Quality*	Class	Yield (bu/acre)							
				2024		2-Year Average	3-Year Average	4-Year Average	5-Year Average	Best Estimate**	
				Yield	Rank						
OR2180149			SWW	184	1						138 ± 19
GSW22-21			SWW	180	5						133 ± 19
OR2180350			SWW	174	9						127 ± 19
TMC M-Pire		D	SWW	181	4	130					124 ± 13
Inspire		D	SWW	175	8	128	112	120	120		120 ± 8
LWW20-2867			SWW	171	11	125					119 ± 13
VI Gem (UIL 13-046145A)			SWW	173	10						119 ± 13
OR5180072			Club	178	7	125					119 ± 13
LCS Jefe		D	SWW	165	19	125	113	120			119 ± 9
WA8398			SWW	169	16	124					118 ± 13
TMC M-Press		D	SWW	170	12	125	110	119	118		118 ± 8
LCS Blackjack		D	SWW	179	6	129	112	120	118		118 ± 8
WB1545			SWW	164	21						118 ± 19
LCS Kamiak		A	SWW	159	35	122	111				117 ± 11
Rosalyn		A	SWW	184	2	132	114	117	116		116 ± 8
Norwest Tandem		A	SWW	184	3	131	114	117	116		116 ± 8
Calypso (ARS09500-17CBW)			Club	165	20	120	110				116 ± 11
UIL 17-550099A			SWW	162	25						115 ± 19
UIL 17-995133B			SWW	170	14	121					115 ± 13
WA8404			SWW	161	28	121					115 ± 13
Rydrych MZ	MZ		SWW	162	26						115 ± 19
LCS Shine		MD	SWW	170	15	125	112	120	115		115 ± 8
Purl			SWW	161	29	120	106	115	114		114 ± 8
GS Bounty			SWW	157	38	120					114 ± 13
LWW20-2383			SWW	161	31	120					114 ± 13
SY Dayton		A	SWW	144	45	110	102	113	113		113 ± 8
AP Olympia			SWW	164	22	119					113 ± 13
WA8405			SWW	160	32	119					113 ± 13
LCS Artdeco		A	SWW	162	27	120	110	116	113		113 ± 8
Norwest Duet		D	SWW	158	36	121	107	115	113		113 ± 8
OR5190014			Club	160	34						113 ± 19
Sockeye CL+	CL+	MD	SWW	152	42	119					113 ± 13
WB1922		D	SWW	153	40	118					112 ± 13
LCS Hulk		A	SWW	170	13	125	110	115	112		112 ± 8
AP Iliad		A	SWW	166	18	117	106	113			112 ± 9
WA8397			SWW	154	39	117					111 ± 13
OR5180071			Club	162	24	117	105				111 ± 11
AP Exceed		MD	SWW	160	33	115	105				111 ± 11
CPX66251			SWW	158	37						111 ± 19
OR2170559			SWW	161	30	117	104				110 ± 11
Gale (OR2180377)			SWW	151	43	115					109 ± 13
Cameo		MD	Club	139	48	109	99	108	108		108 ± 8
WA8419			SWW	152	41						106 ± 19
Stephens		D	SWW	168	17	113	99	106	106		106 ± 8
SY Assure		D	SWW	126	50	103	97	104	104		104 ± 8
ARS Crescent		MD	Club	123	52	97	89	100	103		103 ± 8
WA8418			SWW	150	44						103 ± 19
LCS Drive		D	SWW	164	23	121	106	107	103		103 ± 8
ARS Castella		MD	Club	103	54	88	85	97	101		101 ± 8
WB1621		MD	SWW	142	47	107					101 ± 13
Nimbus		MD	SWW	124	51	100	92	100	100		100 ± 8
ARS16X0127-3-4CAW			Club	143	46						96 ± 19
LWW21-1834			SWW	135	49						89 ± 19
ARS16X0161-10-4CAW			Club	107	53						60 ± 19
Average				159		118	105	112	111		112
LSD (0.05)				19							
CV (%)				8.3							

\*Quality ratings assigned by the USDA Western Wheat Quality Laboratory.

Quality Ratings: MD = Most Desirable; D = Desirable; A = Acceptable; LD = Least Desirable; UCS = Unacceptable Except Customer-Specific Uses

\*\*Best linear unbiased estimators (BLUEs) are best estimators of variety performance relative to other varieties, based on up to five years of data.



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Variety	Class	Height (in)	Test Weight (lb/bu)	Protein (%)	Lodging (%)
OR2180149	SWW	42.1	62.9	10.9	6.7
GSW22-21	SWW	43.4	62.7	11.2	0.0
OR2180350	SWW	40.7	62.4	11.0	5.0
TMC M-Pire	SWW	35.3	64.7	10.8	0.0
Inspire	SWW	43.5	62.2	10.6	43.3
LWW20-2867	SWW	37.5	62.9	9.9	55.0
VI Gem (UIL 13-046145A)	SWW	43.0	63.7	10.7	1.7
OR5180072	Club	44.0	62.9	10.9	2.5
LCS Jefe	SWW	42.9	64.2	10.2	8.3
WA8398	SWW	42.1	63.9	11.2	0.0
TMC M-Press	SWW	43.4	63.8	10.6	1.7
LCS Blackjack	SWW	42.0	63.0	11.0	0.0
WB1545	SWW	43.4	64.8	11.4	0.0
LCS Kamiak	SWW	39.8	64.3	11.6	43.3
Rosalyn	SWW	43.2	62.9	10.5	0.0
Norwest Tandem	SWW	40.1	63.2	11.1	5.0
Calypso (ARS09500-17CBW)	Club	41.4	64.3	11.3	6.7
UIL 17-550099A	SWW	43.3	62.6	11.4	0.0
UIL 17-995133B	SWW	41.8	64.8	10.9	6.7
WA8404	SWW	41.0	63.0	11.3	20.0
Rydrych MZ	SWW	43.8	64.3	11.2	1.0
LCS Shine	SWW	38.1	63.1	11.1	81.7
Purl	SWW	41.6	64.0	11.1	33.3
GS Bounty	SWW	45.8	62.0	11.2	8.3
LWW20-2383	SWW	36.7	63.6	11.3	33.3
SY Dayton	SWW	44.1	63.4	11.0	55.0
AP Olympia	SWW	43.0	64.1	11.0	0.0
WA8405	SWW	42.1	63.3	11.0	10.0
LCS Artdeco	SWW	37.9	62.6	10.0	40.0
Norwest Duet	SWW	44.6	63.2	11.1	30.0
OR5190014	Club	45.6	63.9	11.0	0.0
Sockeye CL+	SWW	43.9	61.6	10.4	25.0
WB1922	SWW	44.0	63.6	11.2	13.3
LCS Hulk	SWW	44.2	64.0	11.1	5.0
AP Iliad	SWW	39.5	63.2	11.9	1.7
WA8397	SWW	43.8	63.5	11.0	0.0
OR5180071	Club	43.7	63.5	11.1	0.0
AP Exceed	SWW	42.6	64.2	11.4	55.0
CPX66251	SWW	45.6	62.7	11.4	43.3
OR2170559	SWW	43.8	64.3	11.9	0.0
Gale (OR2180377)	SWW	40.0	62.2	10.7	31.7
Cameo	Club	43.3	62.5	12.0	33.3
WA8419	SWW	39.6	63.5	11.3	31.7
Stephens	SWW	42.8	63.0	11.5	36.7
SY Assure	SWW	41.1	63.7	10.9	60.0
ARS Crescent	Club	43.1	62.7	10.7	70.0
WA8418	SWW	42.2	63.8	11.5	11.7
LCS Drive	SWW	39.4	63.0	11.0	0.0
ARS Castella	Club	42.6	63.6	11.6	61.7
WB1621	SWW	43.6	64.7	11.6	16.7
Nimbus	SWW	45.9	62.5	11.7	86.7
ARS16X0127-3-4CAW	Club	42.0	61.8	11.2	35.0
LWW21-1834	SWW	41.6	62.1	10.4	61.7
ARS16X0161-10-4CAW	Club	43.0	63.9	10.9	77.5
	Average	42.2	63.3	11.1	23.3
	LSD (0.05)	2.6	0.8	0.4	30.4
	CV (%)	4.4	0.9	2.8	93.2



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Site Description: Some varieties experienced severe lodging due to overfertilization.



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Planting Date: 9-28-2023

Harvest Date: 7-22-2024

Site Location: 46.1011, -118.2425

Plot Length: 11'

Plot Width: 5'

Trial Design: 3-Replicate Alpha-Lattice