



2023 OREGON SOFT WINTER WHEAT YIELD TRIALS
Tulelake (Irrigated)



Site Description: Trial was relatively uniform.

This trial was a collaboration between the OSU Cereal Extension Program and the UC-Davis Intermountain Research and Extension Center

Variety	Herbicide Resistance	Class	2023 Yield		2-Year		3-Year		4-Year		Best Estimate* Yield bu/ac
			Yield bu/ac	Rank	Yield bu/ac	Rank	Yield bu/ac	Rank	Yield bu/ac	Rank	
VI Shock		SWW	191	1							193 ± 21
AP Exceed		SWW	179	5	184	1	182	1			185 ± 12
LCS Hydra AX	AX	SWW	180	4							183 ± 21
LWW19-6219		SWW	176	7	181	2					181 ± 15
UIL 14-211120A		SWW	178	6							181 ± 21
LCS Blackjack		SWW	185	2	178	3	174	2	181	1	181 ± 11
OR2160264		SWW	164	19	173	5	169	3			173 ± 12
LCS Scorpion AX	AX	SWW	170	10							173 ± 21
CPX69217		SWW	170	12							172 ± 21
09PN118-02 CL2	CL+	SWW	170	11							172 ± 15
WA8346 AX	AX	SWW	168	14							171 ± 21
LCS Kraken AX	AX	SWW	168	15							170 ± 21
OR5180072		Club	167	16							169 ± 21
OR2160243		SWW	172	9	168	6	165	5			169 ± 12
LCS Shine		SWW	168	13	174	4	168	4	169	2	169 ± 11
WB1922		SWW	182	3	168	7					168 ± 15
WA8348 AX	AX	SWW	164	20							166 ± 21
Rosalyn		SWW	162	21	161	10	156	7	163	3	163 ± 11
Piranha CL+ (WA8305 CL+)	CL+	SWW	159	24							162 ± 21
WA8349 AX	AX	SWW	158	25							161 ± 21
LCS Jefe		SWW	151	32	165	8	156	6			160 ± 12
WB1621		SWW	165	18	160	11					160 ± 15
Sockeye CL+ (WA8306 CL+)	CL+	SWW	157	27							160 ± 21
Norwest Duet		SWW	162	22	158	12	153	8	159	4	159 ± 11
Nixon		SWW	166	17	157	13	152	10	159	5	159 ± 11
UI Magic CL+	CL+	SWW	157	28							159 ± 15
VI Voodoo CL+	CL+	SWW	155	29							157 ± 21
LCS Kamiak (LWW17-5877)		SWW	138	44	151	15	153	9			157 ± 12
Stephens		SWW	151	31							157 ± 15
TMC M-Press		SWW	161	23							155 ± 12
AP Iliad		SWW	144	42	154	14					154 ± 15
OR5180071		Club	173	8	162	9	150	11			154 ± 12
WA8345 AX	AX	SWW	151	33							153 ± 21
TMC M-Pire		SWW	150	34							153 ± 21
LCS Artdeco		SWW	135	46	147	20	149	12			153 ± 12
Cameo		Club	146	38	151	17	148	13			152 ± 12
OR2180377		SWW	158	26	151	16					151 ± 15
Nimbus (OR2130755)		SWW	152	30	146	21	147	14			151 ± 12
VI Presto CL+	CL+	SWW	147	36							150 ± 21
OR2200083 CL+	CL+	SWW	147	37							149 ± 21
ORI2190027 CL+	CL+	SWW	148	35	149	19					149 ± 15
OR2170559		SWW	145	40	149	18	141	15			145 ± 12
UIL 17-7706 CL+	CL+	SWW	142	43							145 ± 21
ORI2190025 CL+	CL+	SWW	144	41	144	22					145 ± 15
LCS Drive		SWW	134	47	140	25	140	16			144 ± 12
WB1720		SWW	136	45	143	23					144 ± 15
ARS09500-17CBW		Club	146	39	143	24					143 ± 15
SY Assure		SWW	102	52	126	27	133	17			137 ± 12
Norwest Tandem		SWW	126	49	132	26	132	18			136 ± 12
LCS Dagger AX	AX	SWW	132	48							135 ± 21
Appleby CL+	CL+	SWW	122	50							125 ± 21
LWWA19-0293	AX	SWW	109	51							112 ± 21
LWW20-3371		SWW	88	53							91 ± 21
LWWA19-0294	AX	SWW	87	54							89 ± 21
		Average	153		156		154		166		156
		LSD (0.05)	10								
		CV (%)	4.5								

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



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Variety	Class	Quality*	Height in	Test Weight lbs/bu	Protein %	Heading Date	Lodging %
VI Shock	SWW		39.6	56.6	11.4	6/14	3.3
AP Exceed	SWW	MD	37.4	57.9	12.0	6/12	0.0
LCS Hydra AX	SWW		39.6	58.6	11.9	6/14	16.7
LWW19-6219	SWW		40.0	58.4	12.4	6/15	0.0
UIL 14-211120A	SWW		39.1	57.8	12.0	6/13	0.0
LCS Blackjack	SWW	D	36.6	57.1	12.4	6/14	0.0
OR2160264	SWW		37.7	56.9	12.4	6/13	0.0
LCS Scorpion AX	SWW		37.5	59.7	13.1	6/11	1.7
CPX69217	SWW		34.8	57.3	12.2	6/12	0.0
09PN118-02 CL2	SWW		41.5	57.0	12.3	6/15	1.7
WA8346 AX	SWW		41.9	58.0	12.0	6/14	30.0
LCS Kraken AX	SWW		43.6	58.6	12.2	6/13	23.3
OR5180072	Club		37.3	56.9	12.6	6/17	0.0
OR2160243	SWW		37.5	57.0	12.1	6/15	1.7
LCS Shine	SWW	MD	32.0	57.1	12.1	6/11	0.0
WB1922	SWW		40.2	59.0	12.3	6/16	56.7
WA8348 AX	SWW		40.6	59.2	12.2	6/14	30.0
Rosalyn	SWW	A	38.8	57.7	11.6	6/15	0.0
Piranha CL+ (WA8305 CL+)	SWW	D	41.3	57.1	12.2	6/14	86.7
WA8349 AX	SWW		40.7	57.8	13.2	6/13	1.7
LCS Jefe	SWW	D	37.7	57.2	11.6	6/14	0.0
WB1621	SWW		37.7	59.7	12.0	6/14	0.0
Sockeye CL+ (WA8306 CL+)	SWW	MD	44.6	57.1	11.8	6/16	88.3
Norwest Duet	SWW	D	44.9	58.1	12.2	6/15	26.7
Nixon	SWW	MD	39.8	56.8	11.6	6/15	1.7
UI Magic CL+	SWW	D	37.9	58.6	12.9	6/14	10.0
VI Voodoo CL+	SWW	D	35.8	57.4	12.3	6/16	0.0
LCS Kamiak (LWW17-5877)	SWW		37.0	57.4	13.0	6/12	0.0
Stephens	SWW	D	39.8	56.3	12.6	6/14	3.3
TMC M-Press	SWW	D	39.2	58.7	12.7	6/15	3.3
AP Iliad	SWW	A	36.1	57.1	13.4	6/14	0.0
OR5180071	Club		37.4	58.3	12.5	6/16	0.0
WA8345 AX	SWW		41.2	57.9	13.3	6/14	11.7
TMC M-Pire	SWW		32.5	58.2	12.7	6/15	0.0
LCS Artdeco	SWW	A	35.7	55.5	11.8	6/13	0.0
Cameo	Club	MD	39.1	56.4	13.7	6/16	21.7
OR2180377	SWW		37.8	57.4	11.6	6/16	0.0
Nimbus (OR2130755)	SWW	MD	41.7	57.6	12.4	6/13	0.0
VI Presto CL+	SWW	D	41.1	57.4	12.1	6/14	0.0
OR2200083 CL+	SWW		37.1	57.4	12.8	6/13	0.0
ORI2190027 CL+	SWW		35.8	58.8	12.6	6/14	0.0
OR2170559	SWW		36.1	56.5	13.4	6/15	0.0
UIL 17-7706 CL+	SWW		38.7	57.5	12.6	6/15	0.0
ORI2190025 CL+	SWW		35.0	58.0	12.2	6/14	0.0
LCS Drive	SWW	D	31.0	54.9	12.6	6/12	0.0
WB1720	SWW		34.5	57.6	13.3	6/13	0.0
ARS09500-17CBW	Club		38.6	58.0	13.4	6/16	25.0
SY Assure	SWW	D	33.2	57.5	14.3	6/11	0.0
Norwest Tandem	SWW	A	31.5	56.1	12.5	6/14	0.0
LCS Dagger AX	SWW		37.8	57.9	13.5	6/12	0.0
Appleby CL+	SWW	D	38.3	58.2	12.9	6/14	0.0
LWWA19-0293	SWW		35.2	56.3	14.4	6/10	3.3
LWW20-3371	SWW		28.7	56.7	15.2	6/11	0.0
LWWA19-0294	SWW		34.0	56.5	14.9	6/11	20.0
Average			37.8	57.5	12.6	6/14	8.7
LSD (0.05)			1.6	0.5	0.3	1.1	10.7
CV (%)			3.1	0.6	1.9		

*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



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Site Description: Trial was relatively uniform.

Planting Date: 10-18-2022

Harvest Date: 8-25-2023

Site Location: 41.9648, -121.4718

Fertility: 21-100-150 prior to planting, 60-0-0 at tillering

Row Spacing: 6"

Fungicides: None

Plot Length: ~17'

Plot Width: 5'

Trial Design: 3-Replicate Alpha-Lattice