

2023 OREGON CLEARFIELD AND COAXIUM WINTER WHEAT YIELD TRIALS
Walla Walla (Conventional Tillage)



Trial was conducted in collaboration with WSU and Northwest Grain Growers

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	
LCS Shine		SWW	88	2	116	1					113 ± 9
Sockeye CL+ (WA8306 CL+)	CL+	SWW	88	1	115	2	105	1	111	1	111 ± 6
VI Voodoo CL+	CL+	SWW	84	6	107	5	100	2	109	2	109 ± 6
WA8347 AX	AX	SWW	85	4							106 ± 12
Piranha CL+ (WA8305 CL+)	CL+	SWW	83	11	106	7	99	4	106	3	106 ± 6
LCS Scorpion AX	AX	SWW	84	7							105 ± 12
ORI2190027 CL+	CL+	SWW	84	8	108	4	100	3			105 ± 7
WA8349 AX	AX	SWW	84	9							105 ± 12
LWWA19-0293	AX	SWW	83	10							105 ± 12
WA8345 AX	AX	SWW	83	12							105 ± 12
LCS Jet		HRW	82	14							104 ± 12
LWWA19-0294	AX	SWW	82	15							103 ± 12
LWWA19-0287	AX	SWW	82	16							103 ± 12
09PN118-02 CL2	CL+	SWW	86	3	108	3	97	6			103 ± 7
VI Presto CL+ (UIL 17-6451 CL+)	CL+	SWW	85	5	102	10	94	9	102	4	102 ± 6
WA8346 AX	AX	SWW	81	19							102 ± 12
ORI2190025 CL+	CL+	SWW	83	13	105	9	97	7			102 ± 7
Stingray CL+	CL+	SWW	79	20	106	6	98	5	102	5	102 ± 6
Resilience CL+	CL+	SWW	82	17	106	8	95	8	101	6	101 ± 6
LCS Hydra AX	AX	SWW	78	21							99 ± 12
WA8348 AX	AX	SWW	78	22							99 ± 12
LCS Kraken AX	AX	SWW	77	23							98 ± 12
UI Magic CL+	CL+	SWW	74	25	100	11	93	10	98	7	98 ± 6
UIL 17-7706 CL+	CL+	SWW	81	18	99	12	92	11			98 ± 7
OR2200083 CL+	CL+	SWW	76	24							97 ± 12
WB4510 CLP	CL+	HRW	64	30	99	13					96 ± 9
LCS Dagger AX	AX	SWW	73	27							94 ± 12
LCS Eclipse AX	AX	HRW	72	28							94 ± 12
Appleby CL+	CL+	SWW	73	26	96	14	85	12	87	8	87 ± 6
Battle AX	AX	HRW	65	29							86 ± 12
		Average	80		105		96		102		101
		LSD (0.05)	5								
		CV (%)	4.1								

*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 %
LCS Shine	SWW	MD	27.3	59.5	11.0
Sockeye CL+ (WA8306 CL+)	SWW	MD	36.0	60.4	10.8
VI Voodoo CL+	SWW	D	29.4	59.4	11.7
WA8347 AX	SWW		36.4	62.8	11.9
Piranha CL+ (WA8305 CL+)	SWW	D	35.2	60.7	11.2
LCS Scorpion AX	SWW		30.8	60.6	11.5
ORI2190027 CL+	SWW		30.5	60.7	11.7
WA8349 AX	SWW		34.8	62.0	12.0
LWWA19-0293	SWW		30.4	62.9	11.8
WA8345 AX	SWW		37.0	60.2	12.2
LCS Jet	HRW	A	29.4	61.6	12.1
LWWA19-0294	SWW		32.8	62.8	11.8
LWWA19-0287	SWW		33.9	60.0	11.2
09PN118-02 CL2	SWW		32.8	60.2	11.9
VI Presto CL+ (UIL 17-6451 CL+)	SWW	D	34.2	62.3	11.9
WA8346 AX	SWW		33.8	59.5	12.1
ORI2190025 CL+	SWW		29.5	60.1	11.8
Stingray CL+	SWW	D	31.7	59.3	12.4
Resilience CL+	SWW	D	32.7	61.4	12.3
LCS Hydra AX	SWW		31.8	62.3	10.8
WA8348 AX	SWW		35.2	61.4	12.0
LCS Kraken AX	SWW		34.2	61.2	12.1
UI Magic CL+	SWW	D	32.0	61.8	12.0
UIL 17-7706 CL+	SWW		32.2	61.2	11.5
OR2200083 CL+	SWW		30.1	59.8	12.4
WB4510 CLP	HRW		30.6	64.0	11.5
LCS Dagger AX	SWW		30.9	62.9	11.7
LCS Eclipse AX	HRW		32.4	59.5	11.2
Appleby CL+	SWW	D	31.2	60.2	12.1
Battle AX	HRW		28.0	62.9	11.7
Average			32.2	61.1	11.8
LSD (0.05)			1.4	0.4	0.3
CV (%)			3.1	0.5	1.5

*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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Planting Date: 10-6-2022

Harvest Date: 7-26-2023

Site Location: 46.0890, -118.2217

Fertility: 162N-40P-29K-20S-15Cl at Planting

Fungicides: 8 oz Quilt Xcel was applied on 5-4-2023

Plot Length: ~10'

Plot Width: 5'

Trial Design: 3-Replicate Alpha-Lattice