



2021 OREGON CLEARFIELD WINTER WHEAT YIELD TRIALS
Walla Walla (Conventional Tillage)



Trial was conducted in collaboration with WSU and Northwest Grain Growers.

Variety	Herbicide Resistance	Class	2021 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 Voodoo CL+ (UIL17-6268 CL+)	CL+	SWW	86	2	111	1					118 ± 7
SY Dayton		SWW	87	1							116 ± 6
Sockeye CL+ (WA8306 CL+)	CL+	SWW	85	3	106	2					113 ± 7
Piranha CL+ (WA8305 CL+)	CL+	SWW	84	4	105	3					112 ± 7
ORI2190027 CL+	CL+	SWW	83	5							108 ± 10
VI Presto CL+ (UIL17-6451 CL+)	CL+	SWW	78	12	102	4	104	1			107 ± 6
LCS Blackjack		SWW	81	8							106 ± 10
ORI2190025 CL+	CL+	SWW	80	9							106 ± 10
Stingray CL+	CL+	SWW	81	6	97	6	103	2	106	1	106 ± 5
OR2x2 CL+	CL+	SWW	81	7	98	5	101	3	105	2	105 ± 5
UIL 17-7706 CL+	CL+	SWW	78	11							104 ± 10
Resilience CL+	CL+	SWW	74	14	96	7	99	5	102	3	102 ± 5
UI Magic CL+	CL+	SWW	79	10	95	8	99	4	102	4	102 ± 5
09PN118-02 CL2	CL+	SWW	76	13							102 ± 10
WB4623 CLP	CL+	HRW	72	15	88	9	88	6	90	5	90 ± 5
Appleby CL+	CL+	SWW	63	17	78	11	84	8	89	6	89 ± 5
SY Clearstone CL2	CL+	HRW	67	16	84	10	86	7	89	7	89 ± 5
Brawl CL Plus	CL+	HRW	59	18	76	12	77	9	79	8	79 ± 5
		Average	77		95		93		95		103
		LSD (0.05)	5								
		CV (%)	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 %
VI Voodoo CL+ (UIL17-6268 CL+)	SWW		31.9	59.2	11.5
SY Dayton	SWW	A	31.7	60.1	11.4
Sockeye CL+ (WA8306 CL+)	SWW	MD	37.1	59.9	10.6
Piranha CL+ (WA8305 CL+)	SWW	D	37.8	60.4	11.2
ORI2190027 CL+	SWW		33.4	60.2	11.6
VI Presto CL+ (UIL17-6451 CL+)	SWW		35.0	62.1	12.1
LCS Blackjack	SWW	D	33.7	55.8	11.5
ORI2190025 CL+	SWW		31.9	58.8	11.9
Stingray CL+	SWW	D	34.2	59.1	12.6
OR2x2 CL+	SWW		35.9	59.4	12.5
UIL 17-7706 CL+	SWW		34.7	60.7	11.5
Resilience CL+	SWW	D	32.9	60.5	12.3
UI Magic CL+	SWW	D	32.3	61.6	11.8
09PN118-02 CL2	SWW		34.4	59.7	12.1
WB4623 CLP	HRW	A	34.2	62.1	12.9
Appleby CL+	SWW		33.2	58.8	12.4
SY Clearstone CL2	HRW	D	38.4	60.6	13.0
Brawl CL Plus	HRW		33.3	62.1	12.8
	Average		34.2	60.0	12.0
	LSD		1.1	0.8	0.3
	CV (%)		2	1	2

*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: 10-15-2020

Harvest Date: 7-14-2021

Site Location: 46.0891, -118.2272

Fertility: 160-10-10-15S Prior to Planting, 146-0-0 Spring Topdress

Fungicides: 2oz Tilt on 3-18-2021 (No Foliar Diseases Observed)

Plot Length: ~12'

Plot Width: 5'

Trial Design: 3-Replicate Alpha-Lattice