



Marshall Dual-Purpose vs. Grain-Only Wheat Variety Trial Comparison

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Cooperator: Fuxa Farms

Planting date: 9/12/16 (Dual-purpose) & 10/13/16 (Grain-only)
 Harvest date: 6/7/17
 Previous crop: Wheat

Management: Dual-purpose, conventional tillage
 Soil type: Kirkland silt loam
 Soil test: pH = 5.6, P = 62, K = 343

Source	Variety	Grain Yield								
		2016-17			2-Year			3-Year		
		Dual-purpose	Grain-only	Diff.	Dual-purpose	Grain-only	Diff.	Dual-purpose	Grain-only	Diff.
		-----bu/ac-----								
KWA	Joe	36	44	-8	-	-	-	-	-	-
WestBred	WB-Cedar	34	31	3	38	39	0	41	43	-2
Syngenta	SY Monument	29	40	-11	41	51	-10	-	-	-
OGL	Smith's Gold [†]	28	28	0	-	-	-	-	-	-
OSU	Endurance	24	33	-8	38	40	-2	38	38	0
OGL	Duster	24	38	-14	37	46	-9	39	43	-4
OGL	Gallagher	22	30	-8	35	44	-9	37	44	-6
WestBred	WB4458	21	27	-6	29	40	-11	31	43	-11
OGL	Bentley	20	26	-5	36	39	-3	36	40	-4
OGL	Billings	20	20	0	29	36	-7	29	37	-8
OGL	Ruby Lee	20	29	-9	24	27	-3	28	29	-2
Syngenta	SY Flint	19	27	-8	32	43	-11	-	-	-
WestBred	WB-Grainfield	17	31	-14	33	45	-12	-	-	-
LCS	LCS Chrome	16	34	-19	-	-	-	-	-	-
Watley	TAM 204	16	14	1	23	30	-7	-	-	-
Syngenta	SY Llano	14	-	-	23	-	-	-	-	-
KWA	Tatanka	14	22	-8	-	-	-	-	-	-
OGL	Stardust	14	21	-7	-	-	-	-	-	-
LCS	LCS Mint	14	17	-3	19	30	-10	22	29	-8
LCS	LCS Pistol	11	20	-10	26	30	-4	29	33	-4
OGL	Doublestop CL Plus	-	32	-	-	40	-	-	39	-
OGL	Iba	-	40	-	-	49	-	-	48	-
KWA	Larry	-	16	-	-	-	-	-	-	-
	Experimentals									
	OK14319	28	40	-12	-	-	-	-	-	-
	OK12621	21	35	-14	36	45	-9	-	-	-
	OK12716R/W	21	27	-6	36	43	-8	-	-	-
	OK12206-2	17	28	-11	-	-	-	-	-	-
	OK11D25005	-	29	-	-	-	-	-	-	-
	Mean	21	29	-8	32	40	-7	33	39	-5
	LSD _(0.05)	6	8	7	7	7	8	5	6	6

Notes: Shaded values are not statistically different from the highest value within a column. Boldfaced values in the "Diff." column represent a statistical difference between the dual-purpose vs. grain-only averages for that variety. Grain samples were too small to collect a sufficient number of test weight samples for analyzing and reporting. Plots were grazed from 11/25/16 until Duster reached first hollow stem (2/24/17). Stocking rate was 325 lb/ac. Data for variety SY Llano in the grain-only trial and varieties Doublestop CL Plus, Iba, Larry, and OK11D25005 in the dual-purpose trial were not reported as the coefficient of variation (c.v.) exceeded 30. Moderate to severe leaf rust pressure during grain fill.

† Variety tested and reported as an experimental line in previous trial(s): Smith's Gold = OK11D25056.

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