



# Marshall Dual-Purpose vs. Grain-Only Comparison

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Cooperator: Fuxa Farms

Planting date: 9/15/15 (Dual-Purpose) & 10/15/15 (Grain-only)  
Harvest date: 6/11/16

Management: Dual-purpose, conventional tillage  
Previous crop: Wheat

Soil type: Kirkland silt loam  
Soil test: pH = 6.1, P = 58, K = 330

Source	Variety	Grain Yield									Test Weight		
		2015-16			2-Year			3-Year			2015-16		
		Dual-purpose	Grain-only	Diff.	Dual-purpose	Grain-only	Diff.	Dual-purpose	Grain-only	Diff.	Dual-purpose	Grain-only	Diff.
		-----bu/ac-----									-----lb/bu-----		
Syngenta	SY Monument	53	62	-9	-	-	-	-	-	-	58.2	58.2	0.0
OGI	Iba	51	58	-7	44	52	-8	37	42	-5	58.3	57.9	0.4
OGI	Duster	51	54	-3	47	45	2	38	40	-1	58.7	56.8	1.9
OSU	Endurance	51	47	4	44	40	4	35	34	1	57.3	54.4	2.9
WestBred	WB-Grainfield	50	59	-9	-	-	-	-	-	-	56.5	57.0	-0.4
OGI	Bentley	50	51	-1	42	46	-4	36	38	-3	55.3	57.1	-1.7
OGI	Doublestop CL Plus	48	48	1	43	42	1	36	36	0	60.9	59.0	1.9
OGI	Gallagher	48	57	-8	45	50	-5	35	39	-4	60.0	57.7	2.3
Syngenta	SY Flint	45	57	-12	-	-	-	-	-	-	58.1	58.0	0.0
WestBred	WB-Cedar	43	47	-4	44	50	-5	35	40	-5	58.0	56.2	1.8
LCS	LCS Pistol	41	39	2	38	38	0	-	-	-	54.5	55.6	-1.1
KWA	KanMark	40	50	-10	-	-	-	-	-	-	56.8	56.8	0.0
KWA	Everest	40	30	10	38	36	2	31	31	0	60.1	56.5	3.7
WestBred	WB4458	38	51	-14	36	49	-13	29	40	-11	54.8	55.8	-1.0
OGI	Billings	38	51	-13	33	46	-13	26	37	-11	58.6	58.6	0.0
Syngenta	SY Llano	32	52	-19	-	-	-	-	-	-	59.0	59.8	-0.8
LCS	LCS Wizard	32	28	4	29	27	2	25	25	0	54.0	51.7	2.3
Watley	TAM 204	31	45	-13	-	-	-	-	-	-	55.1	56.6	-1.5
OGI	Ruby Lee	29	25	4	31	29	2	27	27	0	55.1	51.4	3.7
LCS	LCS Mint	25	42	-18	26	36	-10	23	32	-9	56.3	55.7	0.6
	<b>Experimentals</b>												
	OK12621	51	56	-5	-	-	-	-	-	-	57.8	56.3	1.5
	OK12716R/W	50	59	-9	-	-	-	-	-	-	54.5	55.8	-1.3
	OK09915C-1	47	48	-1	-	-	-	-	-	-	60.2	60.4	-0.2
	OK12912C	45	51	-5	-	-	-	-	-	-	57.6	57.2	0.4
	OK11231	29	40	-11	-	-	-	-	-	-	55.6	56.5	-0.9
	Mean	42	48	-6	39	42	-3	32	35	-4	57.2	56.7	0.6
	LSD (0.05)	8	7	11	6	7	7	5	6	6	3.3	2.4	3.0

**Notes:** Cattle were removed when Duster reached first hollow stem. Grain yields adjusted to 12% moisture. 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. Moderate stripe rust pressure throughout grain fill.

† Variety tested and reported as experimental line OK09125 in the two previous trials.