

Beans, Double Crop

Prepared October 2016 for 2017 Growing Season by Ray Massey

	Units	Yield	Price	Business total
Income per acre				
Primary crop	bushels	25	9.25	231.25
By product crop	bushels	0	0.00	0.00
Net payments (fixed)				0.00
Other income				0.00
Total income per acre				\$231.25
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Operating costs per acre				
Seed				73.33
Fertilizer				16.15
Nitrogen			0.00	
Phosphorus			7.40	
Potassium			8.75	
Other soil amendments			0.00	
Crop protection				8.00
Herbicide			8.00	
Insect-fungicide			0.00	
Crop supplies, storage, and marketing				0.00
Crop consulting and insurance				0.00
Custom hire and rental				0.00
Machinery fuel, drying, and irrigation energy				5.73
Machinery repairs and maintenance				8.37
Operator and hired labor				9.52
Other expense				0.00
Operating interest				3.33
Operating costs per acre				\$124.43
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Ownership costs per acre ¹				
Farm business overhead				0.00
Machinery overhead				12.58
Machinery depreciation				14.79
Real estate charge				0.00
Ownership costs per acre				\$27.37
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Total costs per acre				\$151.80
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Income over operating costs per acre				106.82
Income over total costs per acre				79.45
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	Operating costs per bushel			4.98
	Ownership costs per bushel			1.09
	Total costs per bushel			6.07

Detailed Report

Soybeans, double crop

DoubleCrop 2017

10/24/2016

Selected input quantities	per acre	Selected input prices	\$ per unit
Yield, bushels	25.0	Farm diesel, per gallon	2.35
Seeding rate, count	200,000	Operating interest, %	5.50
Nitrogen rate, lbs	0	Nitrogen, per lb	0.00
Phosphorus rate, lbs	20	Phosphorus, per lb	0.37
Potassium rate, lbs	35	Potassium, per lb	0.25
Lime rate, tons	0	Lime, per ton	0.00
Sum of allocated labor, hours	0.66	Skilled labor, per hour	18.00
Irrigation, inches	0	Land value, per acre	3,600

Machine activity (not custom)	Labor Hours per acre	Fuel Gallons per acre	Operating Costs ² \$ per acre	Ownership Costs ³ \$ per acre	Total Costs \$ per acre	Trips per acre
Split row no-till planter (16/31 row 30/15"); 225 MFWI	0.05	0.53	4.41	11.78	16.19	1
Boom sprayer (90 ft); 130 MFWD	0.02	0.12	1.17	2.49	3.66	1
Combine, flexible grain head (30 ft); 275 HP Comb.	0.07	0.91	7.23	9.07	16.30	1
Grain auger 10 in- 5000 bu/hr (70 ft); 360 4WD	0.01	0.08	0.31	0.42	0.73	
Semi, tractor and trailer		0.49	2.55	2.01	4.57	
Pickup truck		0.35	1.19	1.60	2.79	
Total	0.16	2.47	16.87	27.37	44.24	3

¹ Farm business overhead includes liability insurance, utilities, accounting, etc. Machinery overhead is the sum of opportunity interest, property taxes, insurance, and housing. Machinery depreciation is a market value decline due to aging and usage. Thus, a portion of depreciation should be considered an operating costs for some decisions. Real estate charge includes land, improvements, taxes. Economic costs may differ from rental rates.

² Machinery operating cost is the sum of fuel, repairs, maintenance, and the value of labor.

³ Machinery ownership cost is the sum of machinery overhead and depreciation (see page 1).