

Corn, grain

	Units	Yield	Price	Business total
Income per acre				
Primary crop	bushels	155	3.90	604.50
By product crop	bushels	0	0.00	0.00
Net payments (fixed)				14.15
Other income				0.00
Total income per acre				\$618.65
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Operating costs per acre				
Seed, \$260 bio-tech, \$160 refuge, 80-20				90.00
Fertilizer				87.05
Nitrogen			37.50	
Phosphorus			18.90	
Potassium			25.85	
Other soil amendments			4.80	
Crop protection				30.50
Herbicide,			30.50	
Insect-fungicide, <i>None</i>			0.00	
Crop supplies, storage, and marketing				1.00
Crop consulting and insurance				22.00
Custom hire and rental				4.75
Machinery fuel, drying, and irrigation energy				27.09
Machinery repairs and maintenance				14.34
Operator and hired labor				13.01
Other expense				0.00
Operating interest				10.14
Operating costs per acre				\$299.88
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Ownership costs per acre ¹				
Farm business overhead				3.84
Machinery overhead				24.33
Machinery depreciation				27.99
Real estate charge				112.60
Ownership costs per acre				\$168.76
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Total costs per acre				\$468.63
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Income over operating costs per acre				318.77
Income over total costs per acre				150.02
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	Operating costs per bushel			1.93
	Ownership costs per bushel			1.09
	Total costs per bushel			3.02

Detailed Report

Corn, grain

Corn 2010

Selected input quantities	per acre	Selected input prices	\$ per unit
Yield, bushels	155.0	Farm diesel, per gallon	2.45
Seeding rate, count	30,000	Operating interest, %	7.00
Nitrogen rate, lbs	125	Nitrogen, per lb	0.30
Phosphorus rate, lbs	70	Phosphorus, per lb	0.27
Potassium rate, lbs	55	Potassium, per lb	0.47
Lime rate, tons	0.6	Lime, per ton	8.00
Sum of allocated labor, hours	0.97	Skilled labor, per hour	17.00
Irrigation, inches	0	Land value, per acre	2,252

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
Field cultivator (35 ft); 310 4WD	0.04	0.54	2.71	3.59	6.30	1
V-Ripper 30" O.C., (17 ft); 310 4WD	0.03	0.39	1.68	4.17	5.85	0.3
Split row no-till planter (16/31 row 30/15"); 200 MFWD	0.05	0.47	4.21	10.19	14.40	1
Boom sprayer, self propelled (60 ft);	0.03	0.00	1.96	3.20	5.16	1
Anhydrous applicator (21 ft); 200 MFWD	0.09	0.79	4.42	4.39	8.81	1
Combine, corn head (8 row); 330 HP Comb.	0.13	1.90	11.94	18.54	30.48	1
Grain cart (500 bushel); 200 MFWD	0.07	0.58	2.90	2.98	5.88	
Grain auger 10 in- 5000 bu/hr (70 ft); 130 MFWD	0.03	0.18	1.02	0.94	1.96	
Semi, tractor and trailer		0.78	4.16	2.80	6.96	
Pickup truck		0.38	1.44	1.51	2.95	
Total	0.47	6.00	36.45	52.32	88.76	5.3

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).