

**Enterprise Budget**

10/19/2017

**2018 Corn Silage**

Establishment year

Owned land

Dryland

Yield, tons air-dry: 8.00  
 Weighted value per ton, air-dry: \$63.00

	tons	Yield	Price	Business unit total
Income per acre				
Baleage or silage		18	28.00	504.00
Other income				0.00
<b>Total income per acre</b>				<b>\$504.00</b>

## Operating costs per acre

Seed, silage variety, units are 50# bags				68.25
Fertilizer				128.50
Nitrogen			50.40	
Phosphorus			25.20	
Potassium			42.90	
Other amendments			10.00	
Crop protection				42.00
Herbicide			42.00	
Insecticide-fungicide			0.00	
Crop supplies, storage				5.00
Crop consulting				0.00
Custom hire and rental				73.50
Machinery fuel and irrigation energy				18.10
Machinery repairs and maintenance				16.07
Operator and hired labor				25.14
Other expense				0.00
Operating interest				10.36
<b>Operating costs per acre</b>				<b>\$386.92</b>

Ownership costs per acre<sup>1</sup>

Farm business overhead				4.00
Machinery overhead				26.03
Machinery depreciation				32.85
Real estate charge				132.00
<b>Ownership costs per acre</b>				<b>\$194.88</b>

**Total costs per acre****\$581.79**

Income over operating costs per acre				\$117.08
Income over total costs per acre				-\$77.79

Operating costs per ton, air-dry basis	\$48.36
Ownership costs per ton, air-dry basis	\$24.36
Total costs per ton, air-dry basis	\$72.72

## Detailed Report

Establishment year 2018 Corn Silage

10/19/17

Selected input quantities	per acre	Selected input prices	\$ per unit
Forage yield, tons	8.00	Farm diesel, per gallon	2.37
Seeding rate, lbs	0	Operating interest, %	5.50
Nitrogen rate, lbs	140	Nitrogen, per lb	0.36
Phosphorus rate, lbs	70	Phosphorus, per lb	0.36
Potassium rate, lbs	165	Potassium, per lb	0.26
Lime rate, tons	0.5	Lime, per ton	20.00
Sum of allocated labor, hours	1.54	Skilled labor, per hour	18.00
Irrigation, inches	0	Land value, per acre	4,000

Machine activity (not custom)	Labor	Fuel	Operating	Ownership	Total	Trips per acre
	Hours per acre	Gallons per acre	Costs <sup>2</sup> \$ per acre	Costs <sup>3</sup> \$ per acre	Costs \$ per acre	
Field cultivator (18 ft); 160 MFWD	0.08	0.54	3.35	4.13	7.47	1
Row crop planter (12 row); 130 MFWD	0.07	0.41	3.73	8.52	12.25	1
Boom sprayer (50 ft); 105 TWD	0.08	0.38	3.36	2.67	6.03	2
Anhydrous applicator (21 ft); 160 MFWD	0.09	0.63	3.95	4.77	8.72	1
Silage Chopper, 2 row (5 ft); 160 MFWD	0.73	5.11	36.22	36.52	72.75	1
Pickup truck		0.58	1.95	2.26	4.21	
<b>Total</b>	<b>1.04</b>	<b>7.64</b>	<b>52.56</b>	<b>58.88</b>	<b>111.44</b>	<b>6</b>

<sup>1</sup> 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.

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

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