

# CROP PRODUCTION COSTS

## CORN AND SOYBEAN PRODUCTION COSTS AND RETURNS <sup>1</sup> HEARTLAND REGION <sup>2</sup>, 2015-2016

Item	Corn <sup>3</sup>		Soybeans <sup>4</sup>	
	2015	2016	2015	2016
(Dollars per Planted Acre)				
Total, Gross Value of Production (Excluding Direct Government Payments)	633.36	610.08	463.84	532.00
Operating Costs:				
Seed	109.17	106.49	59.45	57.89
Fertilizer <sup>5</sup>	144.54	122.49	32.99	27.96
Chemicals	28.66	29.58	26.73	27.59
Custom Operations <sup>6</sup>	17.66	17.96	9.63	9.79
Fuel, Lube, and Electricity	18.14	16.43	10.85	9.65
Repairs	23.75	23.79	19.48	19.52
Interest on Operating Capital	.29	.73	.13	.35
Total, Operating Costs	342.21	317.47	159.26	152.75
Allocated Overhead:				
Hired Labor	2.97	3.07	1.83	1.90
Opportunity Cost of Unpaid Labor	22.97	23.80	16.59	17.18
Capital Recovery of Machinery and Equipment	98.74	98.74	81.66	81.66
Opportunity Cost of Land (rental rate)	212.46	200.65	196.12	185.22
Taxes and Insurance	10.10	10.04	11.01	10.94
General Farm Overhead	18.95	18.98	18.36	18.39
Total, Allocated Overhead	366.19	355.28	325.57	315.29
Total, Costs Listed	708.40	672.75	484.83	468.04
Value of Production Less Total Costs Listed	-74.74	-62.43	-20.99	63.96
Value of Production Less Operating Costs	291.45	292.85	304.58	379.25
Supporting Information:				
Yield (bushels per planted acre)	174	186	52	56
Price (dollars per bushel at harvest)	3.64	3.28	8.92	9.50
Enterprise size (planted acres)	313	313	268	268
Production Practices				
Irrigated (percent)	5	5	5	5
Dryland (percent)	95	95	95	95

<sup>1</sup> Excluding Government Payments.

<sup>2</sup> Heartland Region includes: Illinois, Indiana, Iowa, Western Kentucky, Southern and Western Minnesota, North and Central Missouri, Northeastern Nebraska, Western Ohio, and Southeastern North Dakota.

<sup>3</sup> Corn: Developed from survey base year, 2010.

<sup>4</sup> Soybeans: Developed from survey base year, 2012.

<sup>5</sup> Cost of commercial fertilizers, soil conditioners, and manure.

<sup>6</sup> Cost of custom operations, technical services and commercial drying.

Source: Economic Research Service