

# CROP PRODUCTION COSTS

## CORN AND SOYBEAN PRODUCTION COSTS AND RETURNS <sup>1</sup> HEARTLAND REGION <sup>2</sup>, 2017-2018

Item	Corn <sup>3</sup>		Soybeans <sup>4</sup>	
	2017	2018	2017	2018
(Dollars per Planted Acre)				
Total, Gross Value of Production (Excluding Direct Government Payments)	646.92	679.00	492.37	486.08
Operating Costs:				
Seed	103.26	102.20	57.17	56.50
Fertilizer <sup>5</sup>	113.26	118.19	25.08	24.05
Chemicals	38.94	35.28	26.87	26.63
Custom Operations <sup>6</sup>	22.59	23.02	9.52	9.70
Fuel, Lube, and Electricity	23.21	24.99	10.80	11.60
Repairs	30.89	31.97	19.87	20.55
Interest on Operating Capital	1.74	3.51	0.78	1.56
Total, Operating Costs	333.95	339.16	150.09	150.59
Allocated Overhead:				
Hired Labor	3.26	3.46	1.95	2.07
Opportunity Cost of Unpaid Labor	24.53	26.05	17.65	18.72
Capital Recovery of Machinery and Equipment	118.97	120.30	83.87	84.80
Opportunity Cost of Land (rental rate)	190.98	192.87	177.60	180.21
Taxes and Insurance	11.34	11.44	11.09	11.17
General Farm Overhead	17.07	17.68	18.72	19.36
Total, Allocated Overhead	366.15	371.80	310.88	316.33
Total, Costs Listed	700.10	710.96	460.97	466.92
Value of Production Less Total Costs Listed	-53.18	-31.96	31.40	19.16
Value of Production Less Operating Costs	312.97	339.84	342.28	335.49
Supporting Information:				
Yield (bushels per planted acre)	200	200	53	56
Price (dollars per bushel at harvest)	3.23	3.39	9.29	8.68
Enterprise size (planted acres)	302	302	268	268
Production Practices				
Irrigated (percent)	6	7	5	5
Dryland (percent)	94	93	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, 2016.

<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.