

# CROP PRODUCTION COSTS

## CORN AND SOYBEAN PRODUCTION COSTS AND RETURNS <sup>1</sup> HEARTLAND REGION <sup>2</sup>, 2022-2023

Item	Corn <sup>3</sup>		Soybeans <sup>4</sup>	
	2022	2023	2022	2023
(Dollars per Planted Acre)				
Total, Gross Value of Production (Excluding Direct Government Payments)	1,302.50	994.26	787.00	754.44
Operating Costs:				
Seed	117.77	117.67	71.03	70.95
Fertilizer <sup>5</sup>	239.38	200.61	62.51	52.06
Chemicals	63.70	61.52	58.07	56.15
Custom Services <sup>6</sup>	33.88	35.61	14.34	15.15
Fuel, Lube, and Electricity	32.85	27.17	19.86	16.40
Repairs	43.90	45.53	33.07	34.22
Interest on Operating Capital	6.48	12.37	3.16	6.21
Total, Operating Costs	537.95	500.48	262.04	251.14
Allocated Overhead:				
Hired Labor	3.15	3.33	3.54	3.70
Opportunity Cost of Unpaid Labor	28.77	30.36	18.81	19.81
Capital Recovery of Machinery and Equipment	154.84	160.94	129.47	134.65
Opportunity Cost of Land (rental rate)	214.04	224.71	204.21	215.41
Taxes and Insurance	18.90	19.67	14.91	15.54
General Farm Overhead	26.83	27.82	23.38	24.31
Total, Allocated Overhead	446.53	466.83	394.32	413.42
Total, Costs Listed	984.48	967.31	656.36	664.56
Value of Production Less Total Costs Listed	318.02	26.95	130.64	89.88
Value of Production Less Operating Costs	764.54	493.78	524.96	503.30
Supporting Information:				
Yield (bushels per planted acre)	202	203	58	60
Price (dollars per bushel at harvest)	6.42	4.88	13.50	12.67
Enterprise size (planted acres)	274	274	288	288
Production Practices				
Irrigated (percent of acres)	5	5	5	5
Dryland (percent of acres)	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, 2021.

<sup>4</sup> Soybeans: Developed from survey base year, 2018.

<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

# CROP PRODUCTION COSTS

## WHEAT AND OATS PRODUCTION COSTS AND RETURNS <sup>1</sup> HEARTLAND REGION <sup>2</sup>, 2022-2023

Item	Wheat <sup>3</sup>		Oats <sup>4</sup>	
	2022	2023	2022	2023
(Dollars per Planted Acre)				
Total, Gross Value of Production (Excluding Direct Government Payments)	658.84	588.21	521.27	450.70
Operating Costs:				
Seed	42.45	43.15	22.90	22.90
Fertilizer <sup>5</sup>	189.42	158.46	72.81	60.83
Chemicals	21.91	21.27	5.66	5.47
Custom Services	14.85	15.42	11.10	12.44
Fuel, Lube, and Electricity	18.14	15.07	30.08	24.86
Repairs	31.52	32.80	30.40	31.53
Other Variable Expenses <sup>6</sup>	1.33	1.40	2.92	3.07
Interest on Operating Inputs	3.90	7.29	2.15	4.08
Total, Operating Costs	323.52	294.86	178.02	165.18
Allocated Overhead:				
Hired Labor	3.44	3.63	2.13	2.25
Opportunity Cost of Unpaid Labor	24.56	26.12	72.48	76.45
Capital Recovery of Machinery and Equipment	121.93	127.41	133.66	139.10
Opportunity Cost of Land (rental rate)	155.98	164.31	167.89	175.83
Taxes and Insurance	12.25	12.90	6.09	6.36
General Farm Overhead	15.67	16.42	15.84	16.43
Total, Allocated Overhead	333.83	350.79	398.09	416.42
Total, Costs Listed	657.35	645.65	576.11	581.60
Value of Production Less Total Costs Listed	1.49	-57.44	-54.84	-130.90
Value of Production Less Operating Costs	335.32	293.35	343.25	285.52
Supporting Information:				
Yield (bushels per planted acre)	73	83	77	83
Price (dollars per bushel at harvest)	8.74	6.82	5.15	3.93
Enterprise size (planted acres)	90	90	24	24
Production Practices				
Irrigated (percent)	2	2	0	0
Dryland (percent)	98	98	100	100

<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> Wheat: Developed from survey base year, 2017.

<sup>4</sup> Oats: Developed from survey base year, 2015.

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

<sup>6</sup> Cost of purchased irrigation water and straw baling.