

## Estimated Crop Production Costs in Iowa, 2001-2007

	2001	2002	2003 <sup>1/</sup>	2004 <sup>1/</sup>	2005 <sup>2/</sup>	2006 <sup>3/</sup>	2007 <sup>3/</sup>
<b>Corn following Corn</b>							
Machinery	\$79.96	\$74.62	\$80.99	\$86.78	\$94.55	\$100.07	\$102.94
Seed, Chemicals, etc.	143.49	142.34	146.19	159.57	184.77	201.62	222.22
Labor	22.80	22.80	25.65	27.08	27.08	29.93	31.35
Land	120.00	125.00	135.00	140.00	140.00	145.00	155.00
Total Cost Per Acre	366.25	364.76	387.83	413.43	446.39	476.61	511.51
Assumed Yield	120 bu	120 bu	135 bu	135 bu	135 bu	140 bu	145 bu
Total Cost Per Bushel	\$3.05	\$3.04	\$2.87	\$3.06	\$3.31	\$3.40	\$3.53
<b>Corn following Soybeans</b>							
Machinery	\$78.98	\$73.29	\$79.55	\$85.68	\$93.37	\$97.39	\$100.12
Seed, Chemicals, etc.	126.21	125.15	125.10	135.74	156.03	169.26	189.33
Labor	20.80	20.80	23.40	24.70	24.70	27.30	28.60
Land	120.00	125.00	135.00	140.00	140.00	145.00	155.00
Total Cost Per Acre	345.99	344.23	363.04	386.12	414.10	438.95	473.05
Assumed Yield	135 bu	135 bu	150 bu	150 bu	150 bu	155 bu	160 bu
Total Cost Per Bushel	\$2.56	\$2.55	\$2.42	\$2.57	\$2.76	\$2.83	\$2.96
<b>Soybeans following Corn<sup>2/</sup></b>							
Machinery	\$42.84	\$41.39	\$43.38	\$41.51	\$40.53	\$45.90	\$46.76
Seed, Chemicals, etc.	88.95	87.46	84.47	90.76	96.53	106.79	107.58
Labor	19.60	19.60	22.05	23.28	23.28	25.73	26.95
Land	120.00	125.00	135.00	140.00	140.00	145.00	155.00
Total Cost Per Acre	271.39	273.45	284.90	295.54	300.34	323.41	336.29
Assumed Yield	45 bu	45 bu	45 bu	45 bu	45 bu	45 bu	50 bu
Total Cost Per Bushel	\$6.03	\$6.08	\$6.33	\$6.57	\$6.67	\$7.19	\$6.73
<b>Alfalfa Hay, annual production, 6 ton per acre, large round bales</b>							
One-Third of Est. Costs	\$33.63	\$31.90	\$32.84	\$33.84	\$34.45	\$36.83	\$37.27
Annual Fertilizer	68.52	63.82	60.25	71.62	84.74	103.36	103.46
Harvest Machinery	93.20	90.56	103.12	96.24	108.30	107.10	90.40
Labor	42.67	42.67	48.00	50.67	50.67	56.00	58.67
Land	80.00	80.00	85.00	88.00	95.00	95.00	100.00
Total Cost Per Acre	318.02	308.95	329.21	340.36	373.16	398.29	389.79
Assumed Yield	6 ton	6 ton	6 ton	6 ton	6 ton	6 ton	6 ton
Total Cost Per Ton	\$53.00	\$51.49	\$54.87	\$56.73	\$62.19	\$66.38	\$64.97

<sup>1/</sup>2003-07 land rents, corn yields, and machinery costs were adjusted to reflect recent averages.

<sup>2/</sup>Beginning in 2005, primary soybean estimates are for herbicide tolerant varieties.

<sup>3/</sup>Corn drying and fertilizer practices were adjusted in 2006 and 2007 to reflect recent practices.

### . . . and justice for all

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, political beliefs, sexual orientation, and marital or family status. (Not all prohibited bases apply to all programs.) Many materials can be made available in alternative formats for ADA clients. To file a complaint of discrimination, write USDA, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5964.

Issued in furtherance of Cooperative Extension work, Acts of May 8 and June 30, 1914, in cooperation with the U.S. Department of Agriculture. Jack M. Payne, director, Cooperative Extension Service, Iowa State University of Science and Technology, Ames, Iowa.

File: Economics 1-8

Prepared by Michael Duffy, extension economist  
(515) 294-6160, mduffy@iastate.edu  
Darnell Smith, extension associate  
(515) 294-8122, darnell@iastate.edu

[www.extension.iastate.edu/agdm](http://www.extension.iastate.edu/agdm)  
[www.extension.iastate.edu/store](http://www.extension.iastate.edu/store)