



Impact, Jobs and Consumers

FOOD CHAIN LINKS FROM GATE TO PLATE

	CONGRESSIONAL DISTRICTS				STATE TOTAL
	1	2	3	4	
Food Chain-Related Employment*	98,217	70,574	53,448	137,254	388,243
Total Employment	504,571	497,997	543,184	483,846	2,029,598
Food Chain-Related as Percent of Total	19.5	14.2	9.8	28.4	19.1
Population	772,592	778,519	812,274	760,514	3,123,899
Total GDP in \$ Billions (2015)	\$44.2	\$39.6	\$53.2	\$40.0	\$177.0
GDP Linked to Ag-Related Industries in \$ Billions	\$10.5	\$6.8	\$5.4	\$14.6	\$40.1
Production (<i>crops, livestock, forestry, fishing, etc.</i>)	\$2.4	\$1.6	\$1.4	\$7.1	\$12.3
Processing	\$5.4	\$4.2	\$3.2	\$6.1	\$21.7
Other Ag-Related Manufacturing (<i>chemicals, machinery, etc.</i>)	\$2.6	\$1.0	\$0.8	\$1.5	\$6.2
Ag-Related Percentage of total GDP	23.7%	17.1%	10.1%	36.6%	22.7%

LINKS TO IOWA STATE UNIVERSITY

	1	2	3	4	STATE TOTAL
Education Most undergraduate students enrolled at Iowa State come from Iowa. Total enrollment was 36,660 in fall 2016.	3,720	3,701	6,159	5,971	18,957
4-H/Youth Course registrations and direct contacts total 799,808; however, all data are not available by county.	29,671	20,709	10,573	24,658	85,609
Alumni Iowa State has nearly 250,000 alumni worldwide, and about 23,500 College of Agriculture and Life Sciences alumni living in Iowa.	16,761	13,884	36,819	34,673	102,137

*Reflects 2015 data. The sum of economic impact values for the four congressional districts does not equal the state total. The state and district values are obtained from a unique input-output model built specifically for that region. The figures include the direct employment and value added produced within these industries, plus the related spinoff activity that they stimulate in the remainder of Iowa's economy, from crop farming; cattle ranching and farming; dairy cattle and milk production; poultry and egg production; hog and other animal production; forest nurseries, forest products and timber tracts; logging; fishing; hunting and trapping; support activities for agriculture and forestry; food and beverage manufacturing; ethanol and other basic organic chemical manufacturing; fertilizer manufacturing; pesticide and other agricultural chemical manufacturing; and farm machinery and equipment manufacturing.

IOWA CARET REPRESENTATIVES

Donald Latham
Alexander, Iowa
(641) 692-3546
E-mail: done1@frontiernet.net

Sally Stutsman
Riverside, Iowa
(319) 679-2347
E-mail: sstutsma@sharontc.net

Robert Petrzela
Mt. Pleasant, Iowa
(319) 254-2232
Email: bpivo1@gmail.com

Kevin Ross
Minden, Iowa
(712) 566-3518
Email: krossfarms@yahoo.com



2016 Accomplishments



U.S. News and World Report named Iowa State's agricultural and biosystems undergraduate program **number one among national universities** and first among public universities. The department's graduate program is ranked second in the nation.



4-H Youth Development reached about 100,000 K-12 youth last year, **building skills in young people** to improve their college and career readiness, closing the educational achievement gap and encouraging young professionals to commit to rural Iowa.



CALS has been ranked in the **top 10 worldwide** for programs of agriculture and forestry the last four years by the QS World University Rankings. QS ranked Iowa State 10th worldwide and seventh nationally.



Nearly 2,000 Iowa Master Gardeners **donated more than 119,000 hours** of their time for community garden and city beautification projects, donating more than 60,000 pounds of produce they grew to local food banks.



The Science-based Trials of Row-crops Integrated with Prairie Strips research team found that removing 10 percent of a row-crop field from production and planting strips of perennial prairie in strategic locations **reduces sediment loss by up to 95 percent and water runoff by 40 percent.** In addition, prairie strips can reduce phosphorus loss by 90 percent and nitrogen loss by 80 percent, as well as increase pollinator and wildlife habitat. The team plans to add to its 29 demonstration sites.



More than 1 million people **directly benefit each year from extension programs**, with more than 4 million connecting through its digital presence.



CALS created the nation's first science and technology-based framework to assess and reduce nutrients going into waters feeding the Gulf of Mexico. The **Iowa Nutrient Reduction Strategy** is designed to direct efforts to reduce nutrients in surface water from both point and nonpoint sources in a scientific, reasonable and cost effective manner. Its extensive scientific assessment is a model other states have adopted. A similar Iowa-specific plan seeks to engage farmers on the issue of pest resistance management.



The USDA presented its **Partnership Award** to an Iowa State-led nine state, 11-institution project that discovered and shared strategies farmers to make corn-based cropping systems more resilient to current and predicted impacts of climate change. Findings were reported in 154 journal articles, 212 extension publications and 995 presentations to farmers, farm advisers, K-12 educators and others, resulting in a audience reach of about 90,000 individuals.