



## Impact, Jobs and Consumers

### CONGRESSIONAL DISTRICTS

#### FOOD CHAIN LINKS FROM GATE TO PLATE

	1	2	3	4	STATE TOTAL
<b>Food Chain-Related Employment*</b>	<b>100,906</b>	<b>75,337</b>	<b>55,737</b>	<b>144,907</b>	<b>407,892</b>
Total Employment	508,879	497,018	540,921	490,525	2,037,343
Food Chain-Related as Percent of Total	19.8	15.2	10.3	29.5	20
Population	769,844	776,890	800,934	759,458	3,107,126

#### LINKS TO IOWA STATE UNIVERSITY

	1	2	3	4	STATE TOTAL
<b>Education</b> Most undergraduate students enrolled at Iowa State come from Iowa. <b>Total enrollment was 36,001 in fall 2015.</b>	3,738	3,146	6,129	6,272	19,285
<b>4-H/Youth</b> <b>Overall Iowa participation was 102,868 (some reporting doesn't allow counts by congressional district).</b>	21,203	22,623	14,757	31,111	89,694
<b>Alumni</b> Iowa State has nearly 245,000 alumni worldwide, and about 23,000 College of Agriculture and Life Sciences alumni living in Iowa.	16,460	13,657	35,831	34,118	100,066
<b>Extension Participation</b> <b>Contacts totaled 5.6 million worldwide, including unique web visitors and digital media downloads. Iowa participants reached 871,560 (some reporting doesn't allow counts by congressional district).</b>	36,171	53,018	35,571	60,381	185,141

\*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 Petrzelka**  
Mt. Pleasant, Iowa  
(319) 254-2232  
Email: bpivo1@gmail.com

Iowa State University does not discriminate on the basis of race, color, age, ethnicity, religion, national origin, pregnancy, sexual orientation, gender identity, genetic information, sex, marital status, disability, or status as a U.S. veteran. Inquiries can be directed to the Director of Equal Opportunity & Compliance, 3280 Beardshear Hall, (515) 294-7612.



# 2015 Accomplishments

## PREPARING TOMORROW'S LEADERS

- Extension and Outreach is leading a community alliance that supports elementary school students along the **ISU 4U Promise pathway to college**, and also provides after-school and summer programs for students and their families to help them aim for academic success.
- 4-H provides **opportunities for youths of color** to use their culture, history and traditions to explore healthy living, STEM, citizenship, leadership, communication and the arts.
- Extension's **C6 BioFarm Game** helps youths learn about agricultural production, bioenergy, sustainability and related careers.
- **Record enrollment** of 5,375 students (fall 2015) makes Iowa State's College of Agriculture and Life Sciences (CALS) the third largest agricultural college in the nation.
- The college boasts a **placement rate of 97 percent** or better for 18 straight years, and it hosts the largest agricultural career fairs in the nation.
- CALS has been ranked in the **top 10 worldwide** for programs of agriculture and forestry the last three years.
- Study-abroad students last year participated in **18 courses in 16 countries** on all seven continents to give an international perspective on their future careers.

## ENSURING PROFITABLE PRODUCERS

- Nearly 18,000 people visit Iowa State's research farms each year to view the **latest in agricultural research**.
- Iowa State is leading an effort on "digital agriculture" as part of the **Midwest Big Data Hub**. The collaboration will lead to better tools and methods for farmers to use the array of field and farm data available to them, encouraging productivity and profitability.
- Farmers in the United States lose more than \$100 million annually to the soybean pathogen that causes sudden death syndrome, which has no chemical treatment options. Researchers at Iowa State are developing **transgenic soybean plants** to create a new source of resistance.

- Several web-based tools have been developed by a team of universities including Iowa State to **help farmers make decisions** dealing with the costly risks associated with crop production through a USDA-funded program called, Useful to Usable.
- The **Beginning Farmer Center** connects retiring farmers and landowners with the next generation, women, veterans and others who want to farm in Iowa.
- Extension and the Egg Industry Center helped the state's and nation's poultry industry respond to the **avian flu crisis** and has funded research projects to prevent future outbreaks.
- As decreasing commodity prices lead to lower net farm income and increased stress, Extension helps **producers examine their finances**, evaluate alternatives and make informed decisions.

## HELPING IOWANS PROSPER

- Each year, more than 1 million people benefit from Extension's **educational programs**.
- Extension created the **Data Resource Center** to provide one-stop access to reliable data, making it a valuable resource for local decision-makers.
- A unique **partnership with Cedar Rapids** agricultural and bioprocessing industries seeks to foster research interaction with Iowa State scientists.
- Iowa State and industry partner Argo Genesis Chemical LLC built a \$5.3 million facility at the BioCentury Research Farm that will allow researchers to develop a process for producing **bio-polymers from soybean oil**.
- Iowa AmeriCorps 4-H Outreach works with schools, nonprofits and community organizations to provide **positive youth development** experiences.

## IMPROVING HEALTH

- Nearly 13 percent of Iowans are **food insecure** and many more are struggling with marginal food budgets. Expanded Food and Nutrition Education Program and Supplemental Nutrition Assistance Program Nutrition Education gives information to make healthy choices with families' limited funds.

- Extension offers certification classes to legally sell **morel mushrooms** in Iowa. The training covers identifying false morels, which can be poisonous.
- Iowans are examining how their communities can meet their needs as they age through Extension's Mid Life and Beyond program. They're developing **options for better quality of life**, such as affordable housing, transportation and recreational opportunities.
- Extension provides ServSafe® **food safety training** to certify foodservice workers in hospitals, schools, restaurants and other commercial establishments.
- Iowa families learn to budget their food dollars, plan meals and make **wise food choices** Extension's nutrition programs.

## PROTECTING NATURAL RESOURCES

- The disappearance of milkweed is blamed for the **monarch butterflies' dwindling numbers**. CALS has partnered with farmer, rancher and conservation organizations, state agencies and private companies to create the Iowa Monarch Conservation Consortium, which has attracted public interest and funding for research and extension efforts.
- A team of weed scientists, economists and sociologists led by Iowa State is working to develop effective approaches to address an increase in **herbicide resistant weeds**.
- Iowa State is partnering with seven land-grant universities to examine the **economic and environmental benefits** and costs of storing water from farm drainage systems for crops to use later and to reduce nitrate-nitrogen loss into waterways.
- Extension specialists have developed an online tool to help livestock and poultry producers compare **odor mitigation** techniques that could be useful on their farms. The Air Management Practices Assessment Tool is web-based and free of charge.