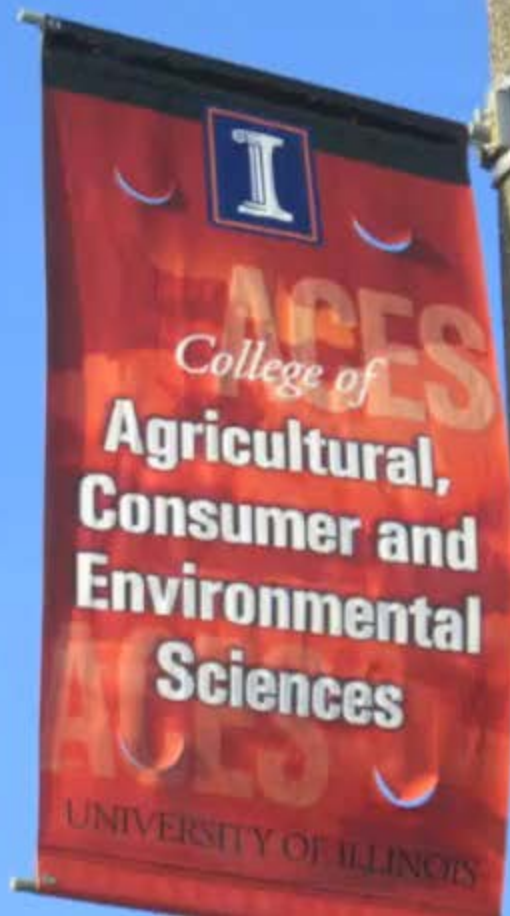


Imagine Solutions. Imagine ACES.

Dean Robert J. Hauser
College of Agricultural, Consumer
and Environmental Sciences



College of

**Agricultural,
Consumer and
Environmental
Sciences**

UNIVERSITY OF ILLINOIS

Imagine Your Future... ACES@Illinois

ILLINOIS



COLLEGE OF ACES

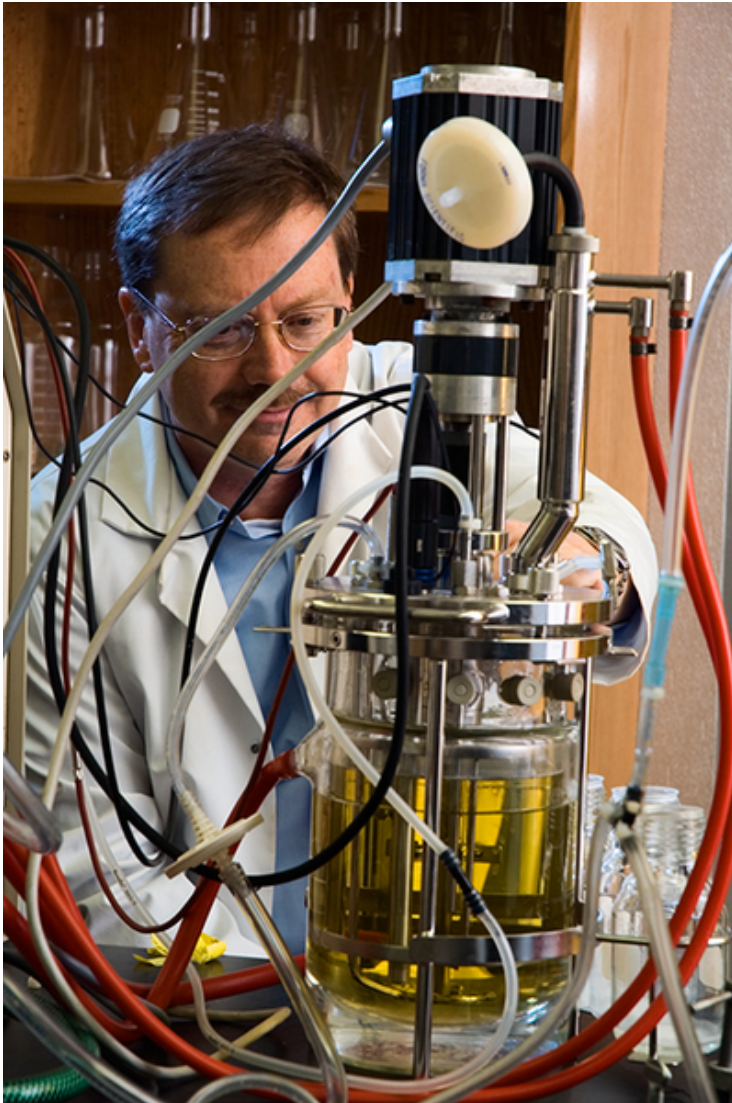


Imagine...

Abundant food and energy.



Imagine Your Future in ACES



A society driven
by innovation.

Imagine Your Future in ACES

A planet
without waste.



Imagine Your Future in ACES

A financially secure economy.



Imagine Your Future in ACES

A healthy environment.



Imagine Your Future in ACES

Successful families and communities.



Imagine Your Future in ACES

Imagine...

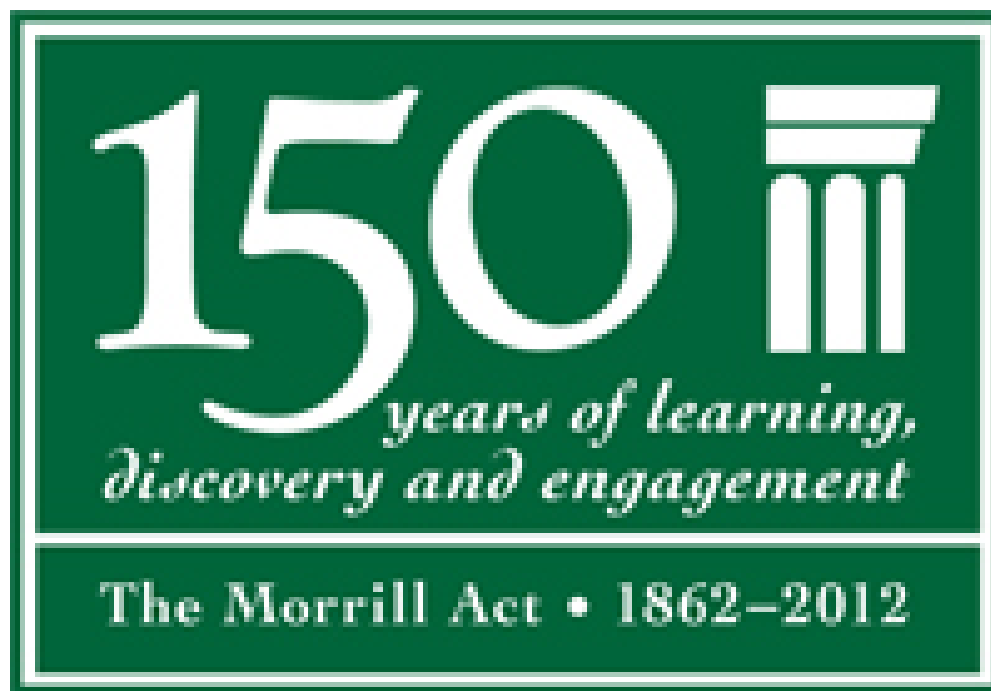
a world with abundant food and energy, a healthy environment, and successful families and communities. The College of ACES – finding solutions to the world's most critical challenges.



Imagine Your Future in ACES

ACES – Who we are

- **ACES Academic Programs**
- **Illinois Agricultural Experiment Station**
- **University of Illinois Extension**



ACES – In the right position

- “Land-grant universities, through their experiment stations and extension services, are on the frontline of sustaining and securing America’s leadership and competitiveness in what is and will be the key macroeconomic sector of our time.”



-Battelle Memorial Institute: *“Power & Promise: Agbioscience in the North Central United States, 2011”*

ACES – In the right position



- “There is no other arena of economic activity, or field of science and innovation, that so directly addresses human survival and quality of life, global economic development, and prospects for an environmentally sustainable future as agriculture and agbioscience.”

**-Battelle Memorial Institute:
“*Power & Promise: Agbioscience in
the North Central United States, 2011*”**

ACES is recognized globally

Illinois – among the elite institutions noted for the impact of research in food and agricultural sciences.

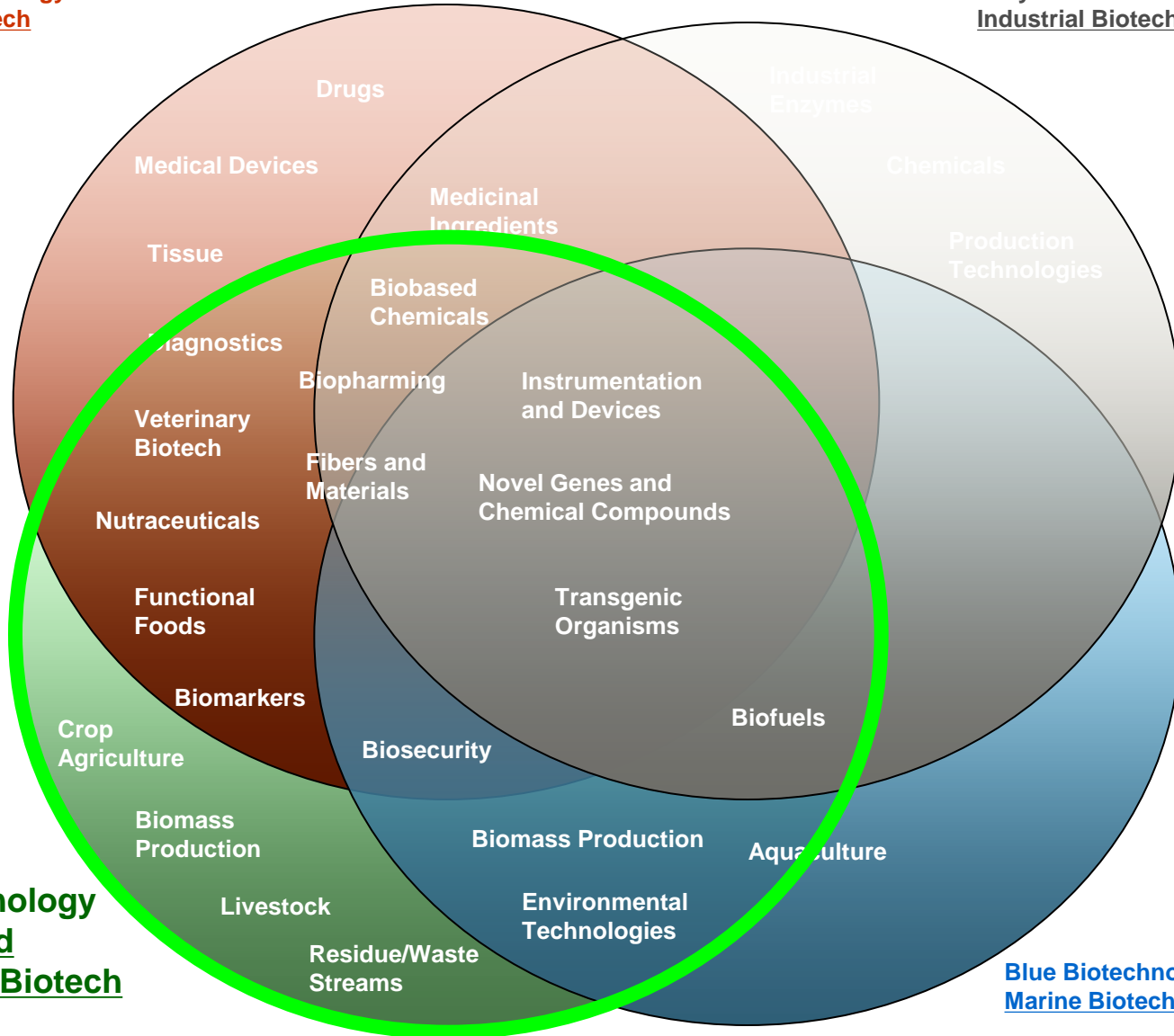
- The University of Illinois ranked
 - **2nd** in animal sciences
 - **4th** in food sciences
 - **5th** in agronomy and crop sciences
 - **8th** in agricultural economics

(Chronicle of Higher Education “Top Research Universities in the 2007 Faculty Scholarly Productivity Index”)
- Agricultural and Biological Engineering ranked **1st** in graduate and **2nd** in undergraduate programs
(U.S. News and World Report, 2012)
- Reported ranking ranges for particular ACES departments, e.g. Animal Sciences, were among the top programs in the nation
(2010 NRC)
- Illinois ranks among the **top 20 research institutions worldwide** – government and university – in its impact on agricultural sciences
(Thomson Reuter’s Essential Science Indicators database, January 1, 1998 through August 31, 2008)

Part of the the 21st Century *Bioeconomy*

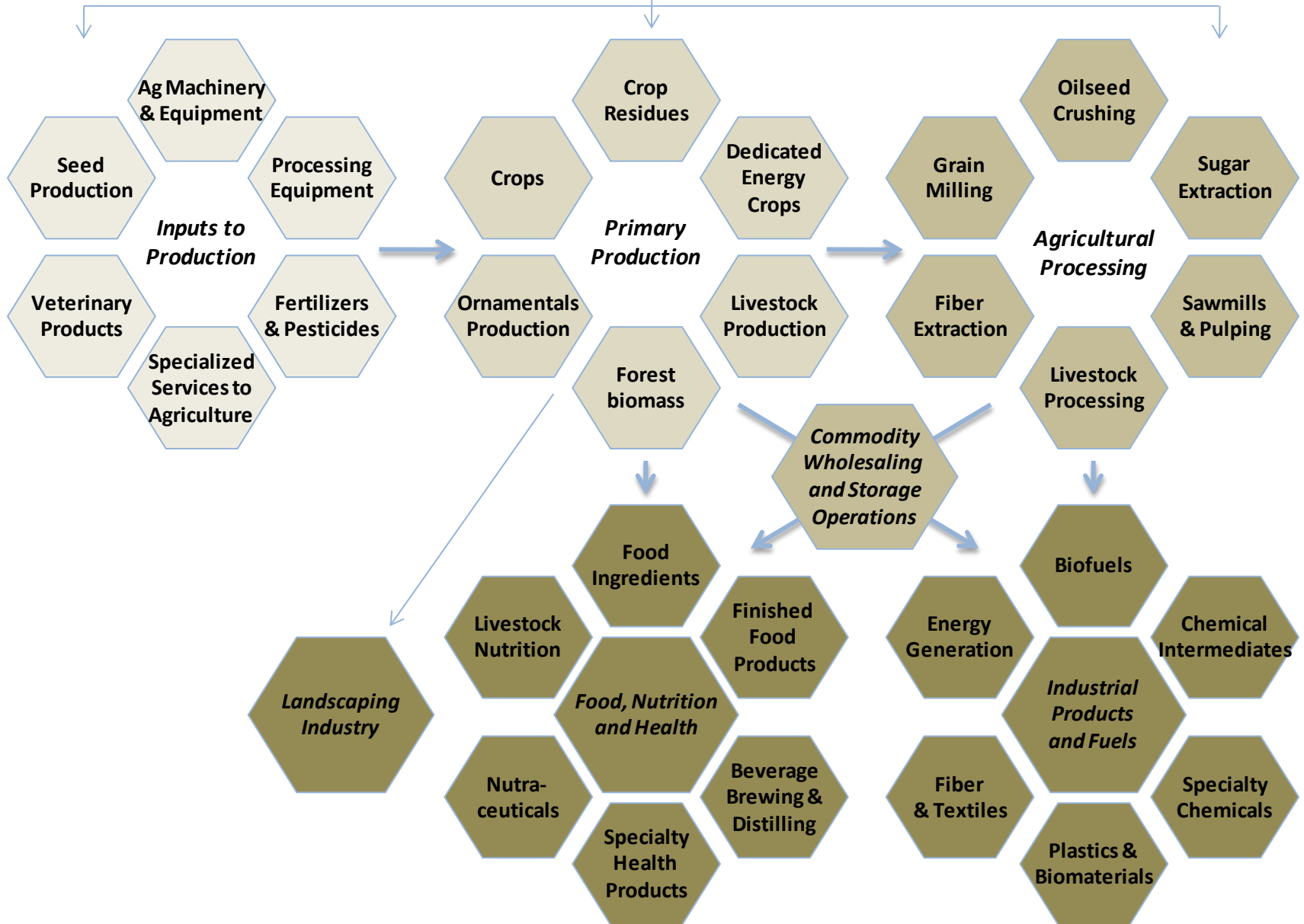
Red Biotechnology
Medical Biotech

Grey Biotechnology
Industrial Biotech



Blue Biotechnology
Marine Biotech

Basic and Applied Research and Development

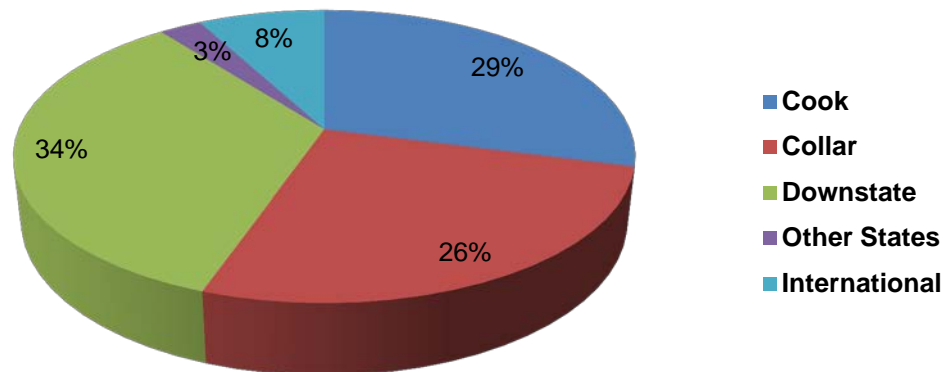


Preparing leaders

- **ACES Academics**
 - **2,500** undergraduates
 - **600+** graduate students
- **High quality students**
 - **26.7** ACT; **86** HSPR
 - **93%** freshman retention
 - **84%** 6-year graduation
- **High demand graduates**
 - **79%** placement*
 - **\$41K** starting salaries
- **Diverse Curricula**
 - **11** majors, **13** minors
 - **38** concentrations



ACES Undergraduates - Geography



*2011 Placement: 49% employed, 30% graduate or professional education

Preparing leaders

Teaching more,
with fewer faculty

	2010-2011	5-year increase
ACES IUs	80,291	+18%
Urbana IUs	1,332,711	+5%
ACES Online IUs	7,877	+1,406%
Urbana Online IUs	58,738	+240%



- ACES teaches **6%** of the Urbana instructional units
- ACES teaches **14%** of the online Urbana instructional units
- ACES teaches **31%** of its IUs to non-ACES students

Preparing leaders

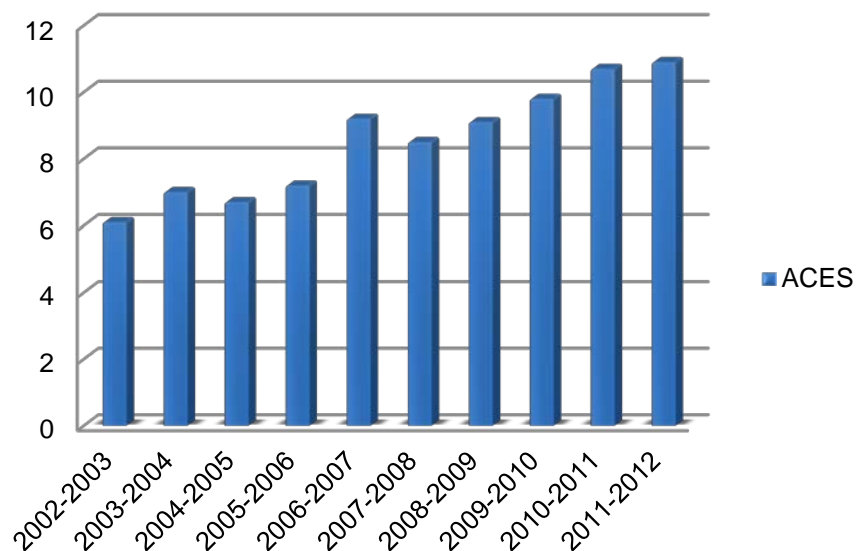
- Transfer students
 - **12** community college transfer agreements - *more to come*
 - **168** new transfers this year
- Professional education
 - Growing off-campus masters programs (blended and online models)
 - Crop Sciences, FSHN, NRES
 - Professional Science Masters
 - Agricultural Production
 - Bioenergy
 - Food Science & Human Nutrition
 - Technical Systems Management



Preparing leaders

- **Recruiting diversity**
 - Research Apprentice Program (RAP I, II, & weekend)
 - Young Scholars Program
 - Undergraduate research opportunities
 - Chicago High School for Agricultural Sciences (CHSAS)
 - I-ALAS

% Under-Represented Undergraduates



ILLINOIS

Center for Urban Agricultural Education

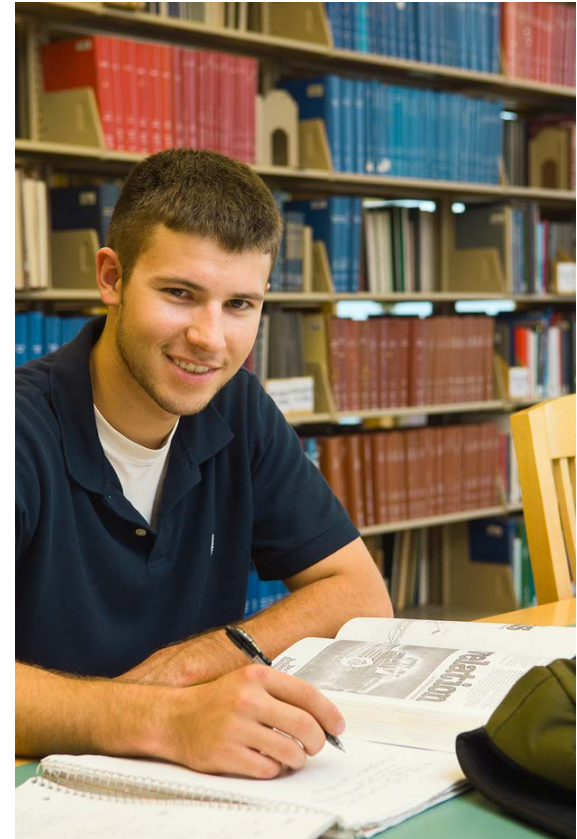
College of Agricultural, Consumer and Environmental Sciences · University of Illinois



CHICAGO PUBLIC SCHOOLS | CPS

Preparing leaders

- Attracting the best
 - Nearly **\$2 million** in scholarships granted annually
 - ACES Aspire Awards
 - Jonathan Baldwin Turner (JBT) Scholarships
 - Departmental Awards

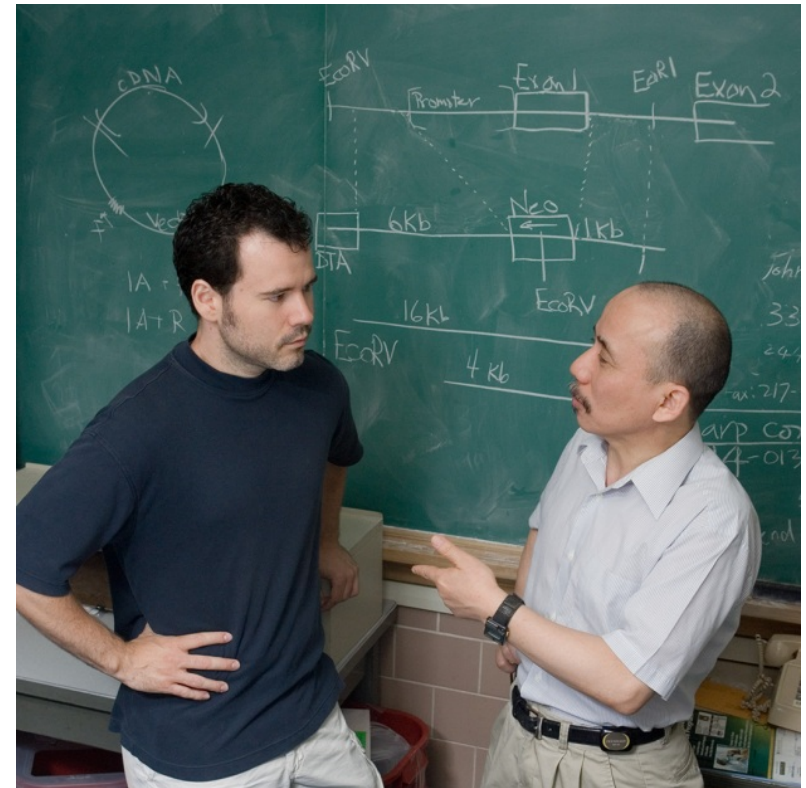


“Plain and simple – this award helped me afford ...the U of I...I knew ACES would allow me to combine my interests in the technology systems management program.”

– Jared Eaton, '11 ACES Aspire Award

Advancing science & scholarship

- **195 tenure-track faculty**
- **Seven academic departments**
(Consolidated in 1995)
 - Agricultural & Biological Engineering
 - Agricultural & Consumer Economics
 - Animal Sciences
 - Crop Sciences
 - Food Science & Human Nutrition
 - Human & Community Development
 - Natural Resources & Environmental Sciences



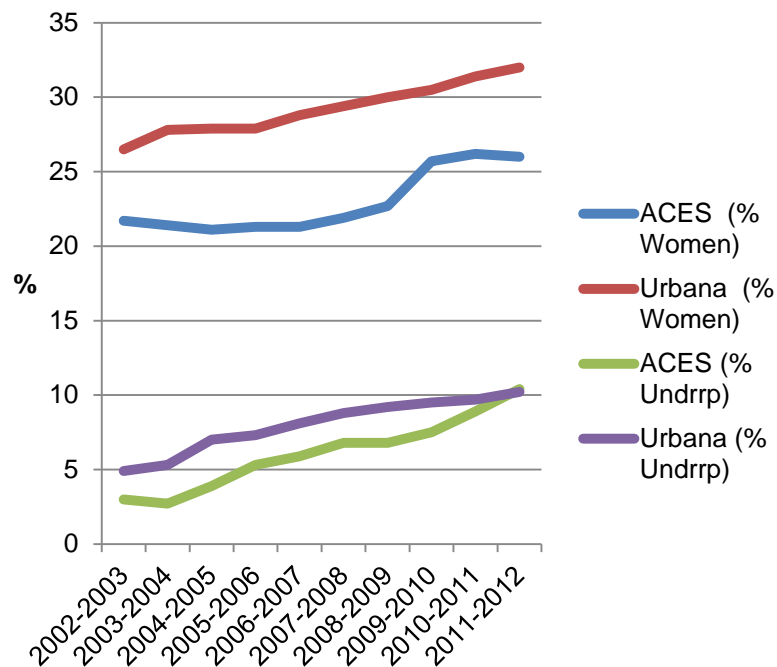
Other Units

- Division of Nutritional Sciences
- Centers and Laboratories

Advancing science & scholarship

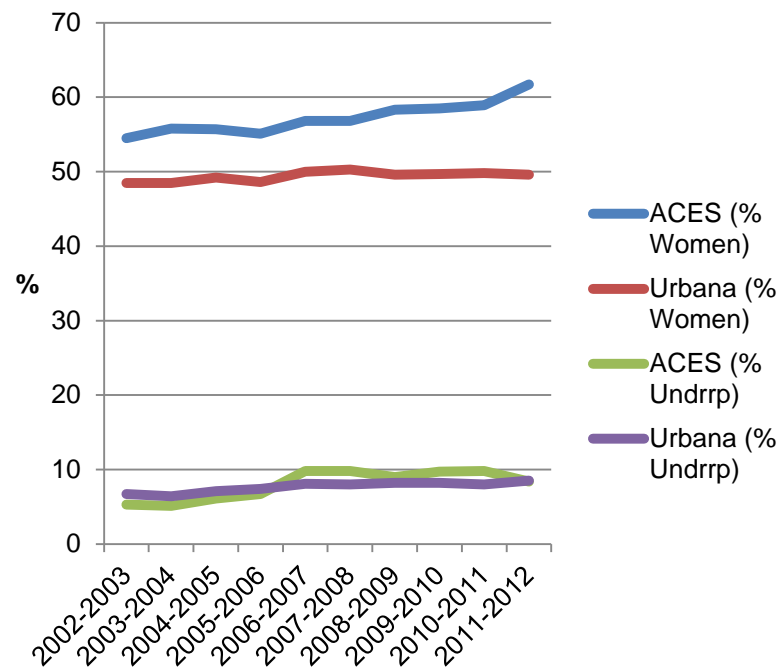
Faculty

Faculty - % Women & Under-Represented



Academic Professionals

AP - % Women & Under-Represented



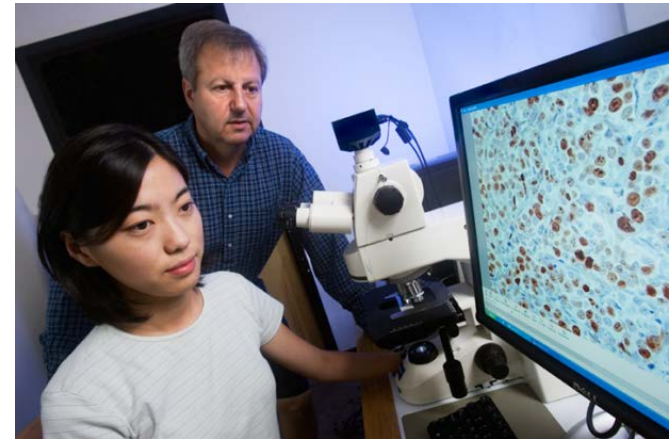
Advancing science & scholarship



- **I-TOPP Team**

- Dr. Barbara Fiese
Director, Family Resiliency Center
- Dr. Rod Johnson
Director, Division of Nutritional Sciences
- Dr. Sharon Donovan
Noel Professor in Nutrition and Health
- Dr. David Buchner
Kinesiology

- **Dr. William Helferich**
 - Director, NIH Botanical Research Center

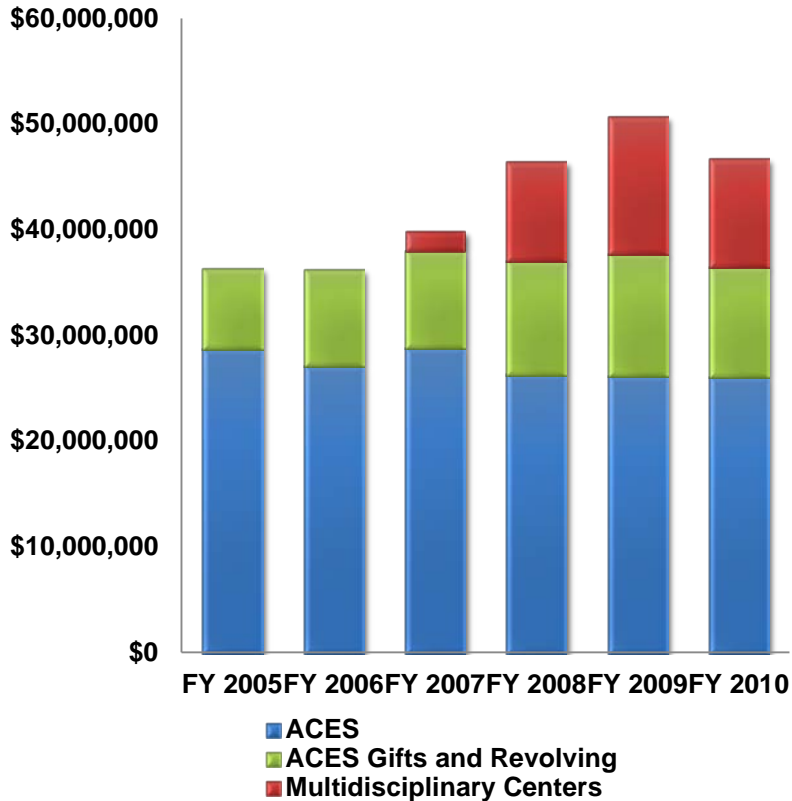


- **Dr. Scott Irwin**
 - Laurence J. Norton Chair in Agricultural Marketing
 - Team Leader, The Farmdoc Project

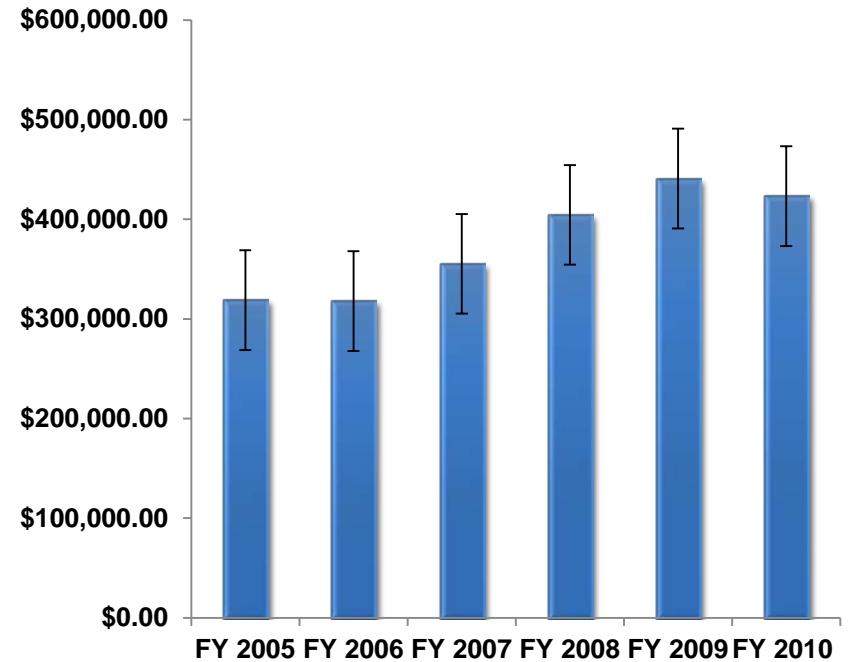


Advancing science & scholarship

Gift & Grant Research Expenditures

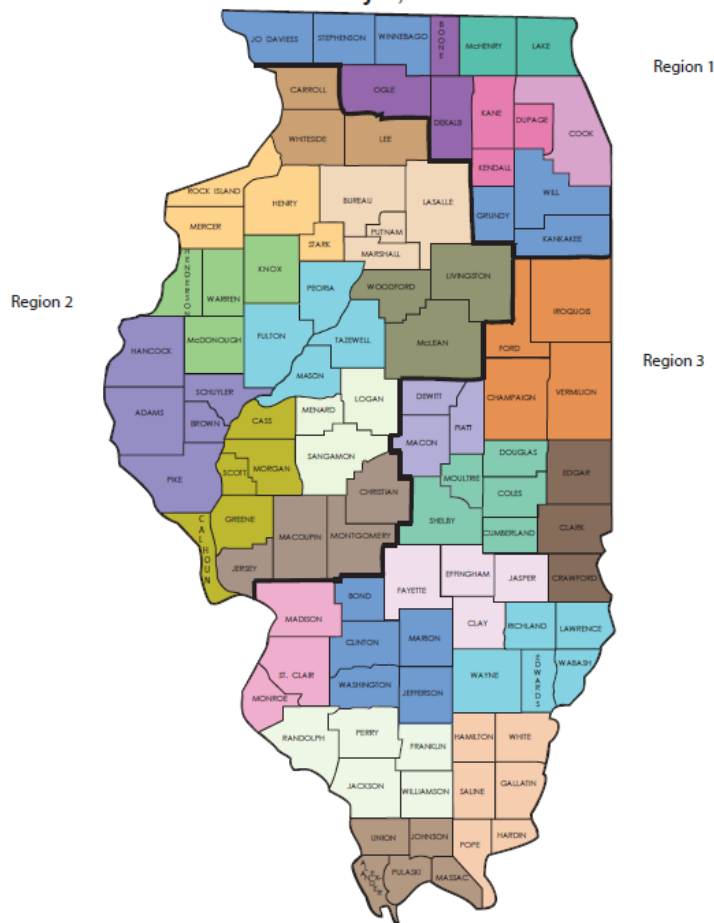


Gift & Grants Per Faculty FTE



Extending knowledge

University of Illinois Extension
Unit and Regional Map
July 1, 2011



We're ready to grow!

“At University of Illinois Extension, we’ve spent the last two years preparing for growth -- transforming our organization and creating the foundation that is needed to enable us to thrive and grow in the coming years.”

We are working on a new paradigm for U of I Extension

Extending knowledge

Extending our reach
At the speed of business
Daily refreshing
knowledge and
information
With 24/7 access

farmdocdaily - Mozilla Firefox
http://www.farmdocdaily.illinois.edu/

main | email us | meet the authors | commenting policy | reposting policy | purpose of farmdoc daily | subscribe via email | via RSS

February 23, 2012

The Historic Pattern of U.S Winter Wheat Yields, Any Implications for 2012?

The U.S. average winter wheat yield was below trend value in 2011. Market sentiment favors a return to trend yield in 2012. Here we examine the pattern of yields from 1960 through 2011 to identify any patterns that might be helpful in forming expectations for 2012. See our earlier posts for similar observations for corn and soybean yields in 2012.

Continue reading...

Posted by Site Administrator at 8:49 AM | Comments (0) | Permalink | Recommend

February 22, 2012

Should I Sell My MF Global Claim?

As described in a previous FarmDoc Daily article MF Global failed on October 31, 2011 with a shortfall in customer funds of \$1.2 billion (since increased to \$1.6 billion) affecting approximately 38,000 futures accounts. A large percentage of these accounts were held by individuals and entities in the agricultural sector.

Continue reading...

Posted by Site Administrator at 8:29 AM | Comments (0) | Permalink | Recommend 1

February 21, 2012

SEARCH FARMDOC DAILY

SUPPORTERS

T Farm Credit Services
Farm Credit Services OF ILLINOIS

more information

>> Click here to see the complete farmdoc Prices & Weather Center

Symbol	Last	Chg
Corn	639-4s	+1-2
Soybeans	1276-6s	+4-4
Soybean Oil (P)	54.20s	-0.02
Soybean Meal	332.9s	+1.6
Wheat	641-6s	-2-6
Spring Wheat	801-0s	-17-2
KCBT Red Wheat (P)	680-0s	-5-0
Lean Hogs (P)	89.600s	-0.725
Feeder Cattle (P)	157.650s	-0.775
Live Cattle (P)	129.675s	-1.475
Class III Milk (P)	15.23s	-0.14
Ethanol Futures (P)	2.210s	+0.009

http://www.farmdocdaily.illinois.edu/

2:40 PM
2/23/2012

“I always enjoy your newsletter and like to compare with our situation.” Simon Ward, UK, February 27, 2012

Extending knowledge

Globally

Developing strategic partnerships and projects

Sending more than 1/3 of ACES students to study abroad



Studying abroad,
e.g. South Africa



Establishing university
collaborations, e.g. Brazil

Finding solutions

ACES priorities map to campus priorities:

FOOD

ENERGY

HEALTH

ENVIRONMENT

Organizational Strategy – *What is ACES doing?*

- **2010:** ROI Analysis for state and tuition dollars
- **2011:** Identified priorities at College and department levels
- **2012:** Defining distinctive areas for investment at department levels

Finding solutions

Investing around societal outcomes:

FOOD

ENERGY

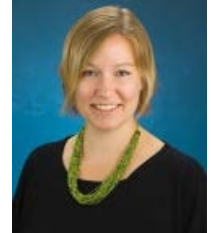
HEALTH

ENVIRONMENT



Our Newest Faculty

- ***Micronutrient nutrition and delivery systems*** - J. Andrade
- ***Bioenergy crop genetics*** – P. Brown
- ***Human-environment interactions*** – B. Cutts
- ***Muscle biology*** – A. Dilger
- ***Immuno-physiology and nutrition*** – R. Dilger
- ***Environmental, renewable energy law*** - J. Endres
- ***Nutrition of cattle*** – T. Felix
- ***Food and agricultural policy, trade, and development*** – B. Kirwan
- ***Food process engineering*** – Y. Lee
- ***Family relationships*** – B. Ogolsky
- ***Leadership education*** – D. Rosch
- ***Genetics and breeding of biomass (perennial grasses)*** – E. Sacks
- ***Beef production and environment management*** – D. Shike
- ***Ecology and behavior of birds*** – M. Ward



Finding solutions

Global population will reach 9 billion by 2050, adding cities the size of Champaign-Urbana every day for the next 39 years.

*-Paul Schickler
President Pioneer Hi-Bred,
A DuPont Business*

Innovation requires holistic solutions across value chains



Imagine solutions. Imagine ACES.



- Serving our societal needs now, leading to better outcomes in the future
- FOOD
- ENERGY
- HEALTH
- ENVIRONMENT

Imagine Your Future... ACES@Illinois

ILLINOIS



COLLEGE OF ACES

