

# IANR ALL HANDS UPDATE

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Ron Yoder, University of Nebraska, August 16, 2016



# ALL HANDS

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# LEADERSHIP CHANGES – University of Nebraska

- **Chancellor**
  - Ronnie Green, former IANR Vice Chancellor
- **Interim Senior Vice Chancellor for Academic Affairs**
  - Marjorie Kostelnik



# LEADERSHIP CHANGES - IANR

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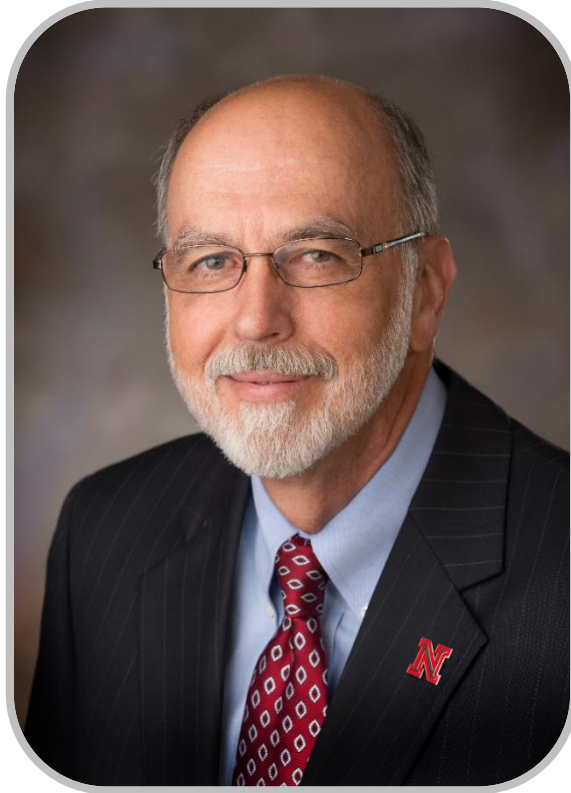
- **Vice President/Vice Chancellor Search**
  - Airport interviews in late August
  - On-campus interviews in late September/early October



[ianr.unl.edu/search/vice-president-and-vice-chancellor](http://ianr.unl.edu/search/vice-president-and-vice-chancellor)

# LEADERSHIP CHANGES - IANR

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**Ron Yoder**  
Interim Vice Chancellor &  
Interim Vice President



**Mark Balschweid**  
Interim Associate  
Vice Chancellor

## LEADERSHIP CHANGES – Academic Affairs and CEHS

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**Marjorie Kostelnik**  
Interim Senior Vice Chancellor



**Beth Doll**  
Acting Dean, CEHS

# LEADERSHIP CHANGES

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## ANIMAL SCIENCE DEPARTMENT



**Larry Berger**

Retired as Department Head  
*June 30*



**Phil Miller**

Interim Department Head



**Clinton Krehbiel**

Department Head  
*January 1, 2017*

# LEADERSHIP CHANGES

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## FOOD SCIENCE AND TECHNOLOGY DEPARTMENT



**Rolando Flores**  
Dean, New Mexico State



**Curt Weller**  
Interim Department Head



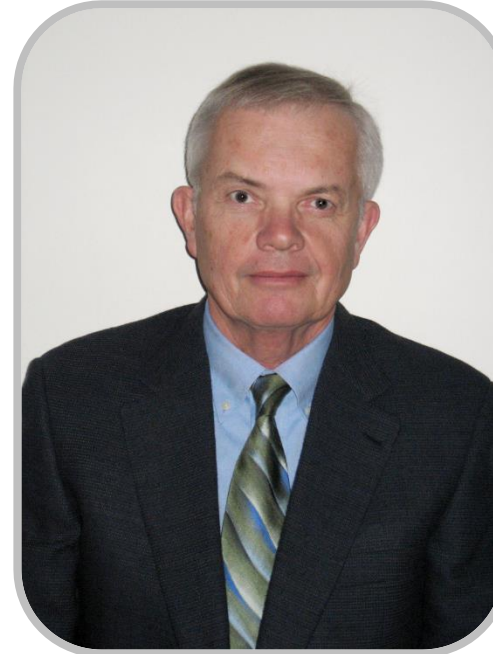
# LEADERSHIP CHANGES

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## SCHOOL OF VETERINARY MEDICINE AND BIOMEDICAL SCIENCES



**Don Reynolds**



**Clayton Kelling**  
Director

# LEADERSHIP CHANGES

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## NEBRASKA EXTENSION



**Rick Rasby**  
Associate Dean



# LEADERSHIP CHANGES

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## WEST CENTRAL RESEARCH AND EXTENSION CENTER



**Kelly Bruns**  
Director

# STUDENTS

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## CASNR

### **Enrollment: 11 years of growth**

- Undergraduate: 2267    Graduate: 661    Professional: 60
- Undergraduate including Biochemistry (182) and Biological Systems Engineering (312): 2761

### **Retention Rate (10-year average)**

- 87% CASNR; 72% national average

### **Graduation Rate (10-year average)**

- 73% (highest at UNL) – 23,337<sup>th</sup> graduate in May 2016

### **Placement Rate: Highest entry placement rate at UNL**

### **Projected Undergraduate Enrollment AY 16–17: increase**



# STUDENTS

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- **CASNR Recruiting**



**Sue Ellen Pegg**  
College Relations Director



**Taylor Hart**  
Recruitment Associate

**WE'RE  
HIRING!**

**TBD**  
Recruitment Coordinator

# STUDENTS

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## CASNR Major Highlights

- FarmAField, developed by 3 UNL students majoring in agricultural economics, agribusiness, and biological systems engineering, a finalist in international “Thought for Food Challenge”
- Animal science student named Next Generation Delegate by The Chicago Council on Global Affairs
- USDA-Microsoft Innovation Challenge winning team included an agronomy student
- UNL Fountain Wars Team took first place at the 2016 American Society of Agricultural and Biological Engineers annual meeting
- UNL Quarter Scale Tractor X-Team won the International Quarter Scale Tractor Student Design Competition
- UNL Weeds Team received top honors at the North Central Weed Science Society Student Weed Contest
- SNR student chosen to present a plenary lecture at the national McNair Fellows Conference at UC-Berkley

# STUDENTS

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**Spencer Hartman**  
ASUN President

# STUDENTS

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## INTERNATIONAL PROGRAMS

### **CASNR Undergraduate Scholarship Program (CUSP) for Rwanda**

- Cohort 1: 7 students
- Cohort 2: 49 students

### **3+1 Dual Degree Program in Food Science and Technology (UNL and NWAUFU)**

- Northwest Ag & Forestry University, Yangling, China
- Cohort 1: 50 students
- Cohort 2: 55 students



# GLOBAL ENGAGEMENT

- **International Impact Award Program**
  - Tanzania, Rwanda, India, Oman, Brazil, Indonesia
- **Five USDA Grants**
  - Rwanda, Morocco, Kenya, Tanzania, Indonesia
- **Exploring partnership in agriculture and water**
  - Argentina



U.S. agricultural exports currently estimated at \$124.5 billion; will account for nearly 30 percent of this year's total farm and ranch gross cash sales of \$415.7 billion

Nebraska agricultural exports are \$7 billion – 5<sup>th</sup> nationally

# STUDENTS

- **NCTA Enrollment:**

Year	FTE	% Increase
2016	242	3.3
2015	234	2.6
2014	228	6.1
2013	214	



- Crops Judging Team received 1<sup>st</sup> at national competition
- National re-accreditation from the Higher Learning Commission and from the American Veterinary Medical Association

# FACULTY

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- **Hiring Update**

- **63 IANR faculty new hires since beginning of 2015**
- **Summary of hiring initiative over past 5 years**
  - 128 filled
  - 24 searches ongoing



# FACULTY

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## UNL to lead \$13.5 million research effort to enhance sorghum for biofuel

By NICHOLAS BERGIN / Lincoln Journal Star Sep 29, 2015 (0)



## \$20M grant to power crop improvement research

CHRIS DUNKER Lincoln Journal Star Jun 17, 2016 (0)



**Sponsored research funding at the University of Nebraska-Lincoln reached a record high this year, increasing more than **12 percent to \$146.9 million!****

# FACULTY

## Sponsored Projects

	UNL	IANR	% of Total
<b>FY2016 Total Sponsored Funding</b>	267,819,962	119,535,648	45%
<b>FY2016 Sponsored Research Funding</b>	146,902,893	66,036,958	45%
<b>FY2016 Federal Research Funding</b>	116,691,059	47,497,136	41%

# FACILITIES

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## VETERINARY DIAGNOSTIC CENTER

Opening: Fall 2017



# FACILITIES

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## EAST CAMPUS RESIDENCE HALL

Move in: Fall 2017



# FACILITIES

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## C.Y. THOMPSON LIBRARY





# FACILITIES

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## C.Y. THOMPSON LIBRARY



# FACILITIES

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## C.Y. THOMPSON LIBRARY



# FACILITIES

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## C.Y. THOMPSON LIBRARY



# FACILITIES

## C.Y. THOMPSON LIBRARY



# FACILITIES

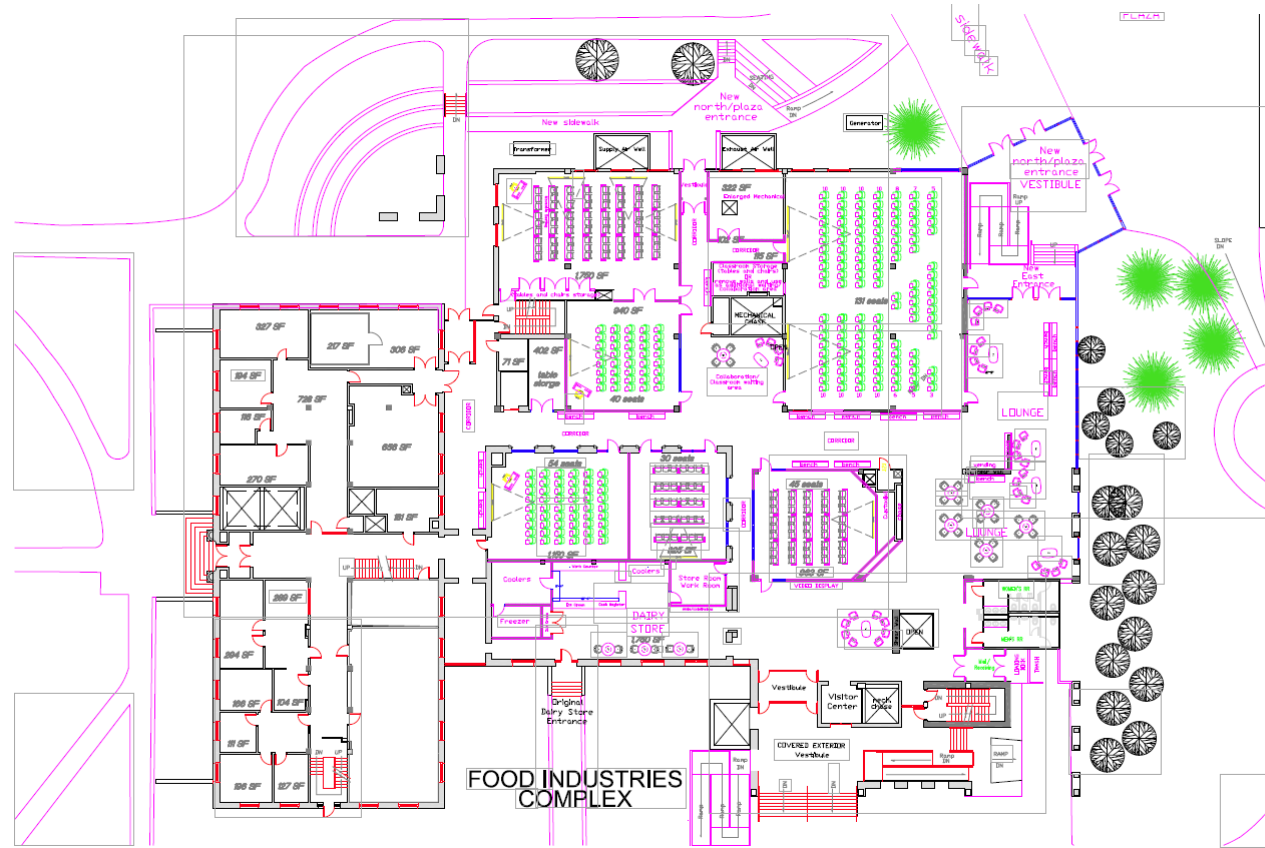
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## NEBRASKA EAST UNION RENOVATIONS



# FACILITIES

## CLASSROOM NEXUS



# FACILITIES

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## LEGACY PLAZA



# FACILITIES

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## C.Y. THOMPSON LIBRARY





# FACILITIES

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## C.Y. THOMPSON, CLASSROOM NEXUS, and LEGACY PLAZA



# NU FOUNDATION

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**Josh Egley**



**Craig Buescher**



**Kristen Hassebrook**

# FACILITIES

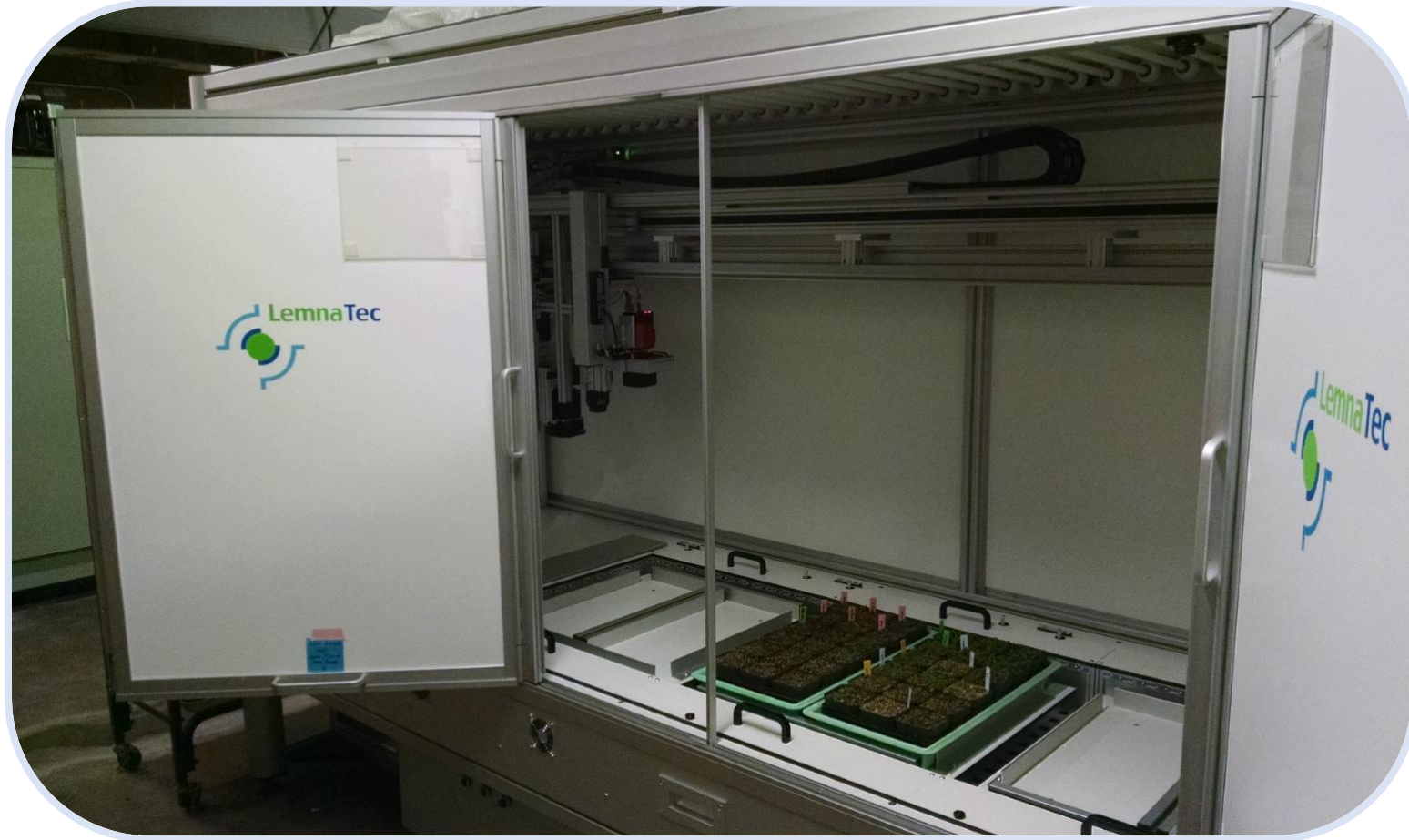
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## IANR STORAGE FACILITY (in partnership with UNL Facilities)



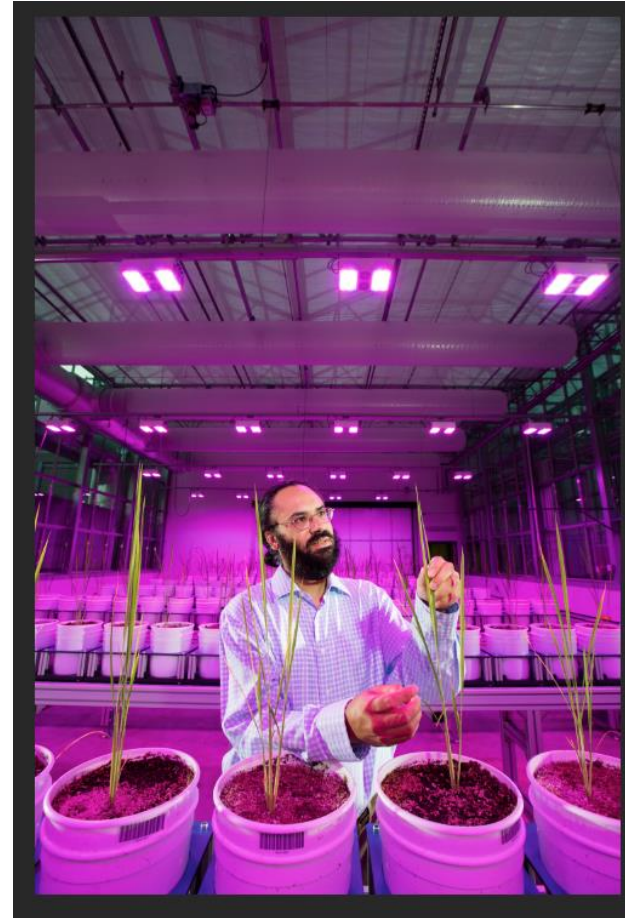
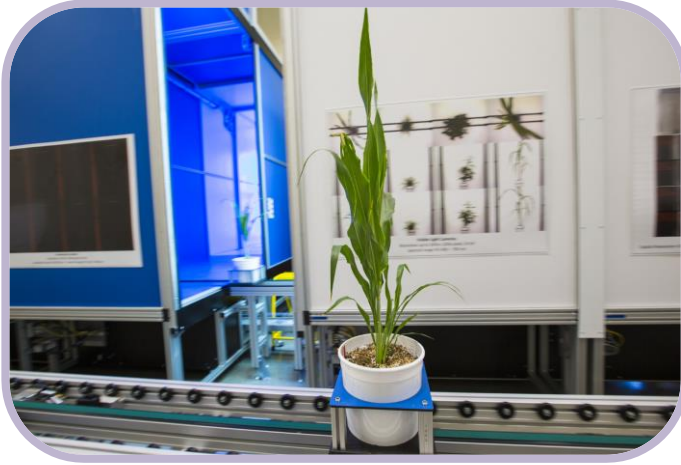
10,000 sf total, IANR occupies the south half

# REACH-IN PHENOTYPING

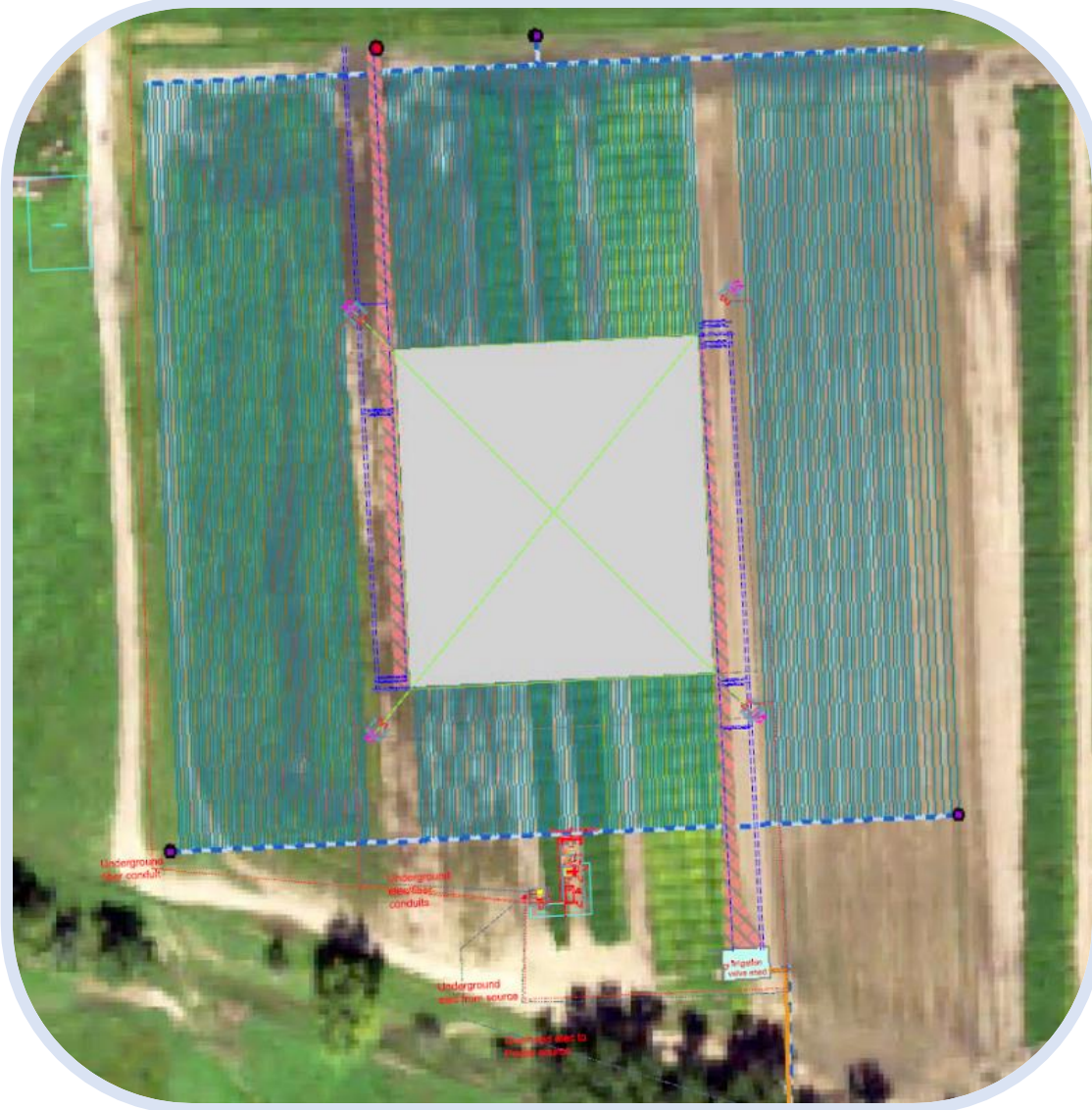


**phenotype:** the set of observable characteristics of an individual resulting from the interaction of its genotype with the environment

# GREENHOUSE PHENOTYPING



# FIELD PHENOTYPING



# FIELD PHENOTYPING



Subsurface Drip Irrigation – SDI

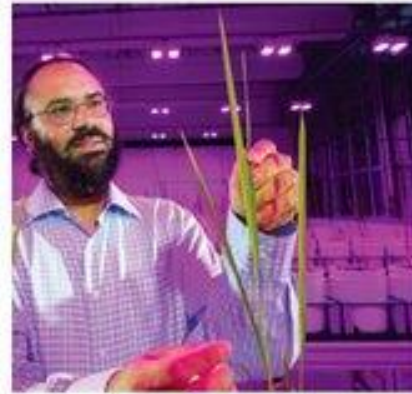


# FIELD PHENOTYPING





# Continuum



# NEBRASKA INNOVATION CAMPUS



**FOOD SCIENCE AND TECHNOLOGY**

*Institute of Agriculture and Natural Resources*



**THE FOOD PROCESSING CENTER**

*University of Nebraska-Lincoln*



Food you love



Health Network



QUANTIFIEDAG



# NEBRASKA INNOVATION CAMPUS

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**Angela Anandappa**

Director, Alliance for Advanced Food Sanitation

## Biotech Connector



# ALLIANCE FOR ADVANCED FOOD SANIATION

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**With industry partners - conceptualize, create, and disseminate improved sanitation approaches and practices**

- More efficient and effective sanitation
  - reduction in the quantities of chemicals used in sanitation
  - savings in time and operational costs
  - more affordable food, and consistently safer food



**Time is right**

- Support mandates for validated preventive controls for food safety hazards
  - U.S. FDA's Food Safety Modernization Act



**Alliance activities**

- Focus on all manner of food safety concerns
  - microbial pathogens, allergens, and toxic chemicals
  - food quality and shelf life
  - cost and risk benefit assessments
  - water conservation and reusability



# TMFII – Transformational Food Manufacturing Innovation Institute

- **NIST working to re-establish U.S. as a global leader in manufacturing**
  - Two proposals will be funded
- **\$70-million proposal submitted**
  - Public-private partnership to provide a manufacturing and innovation hub
    - Academic partners: GA Tech and UC-Davis
    - Industry partners: Rockwell, Siemens, ConAgra Foods, ADM



**Goal: Establish Nebraska as a leader in food manufacturing innovation**

# WATER FOR FOOD INSTITUTE

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**Peter G. McCornick**  
Executive Director



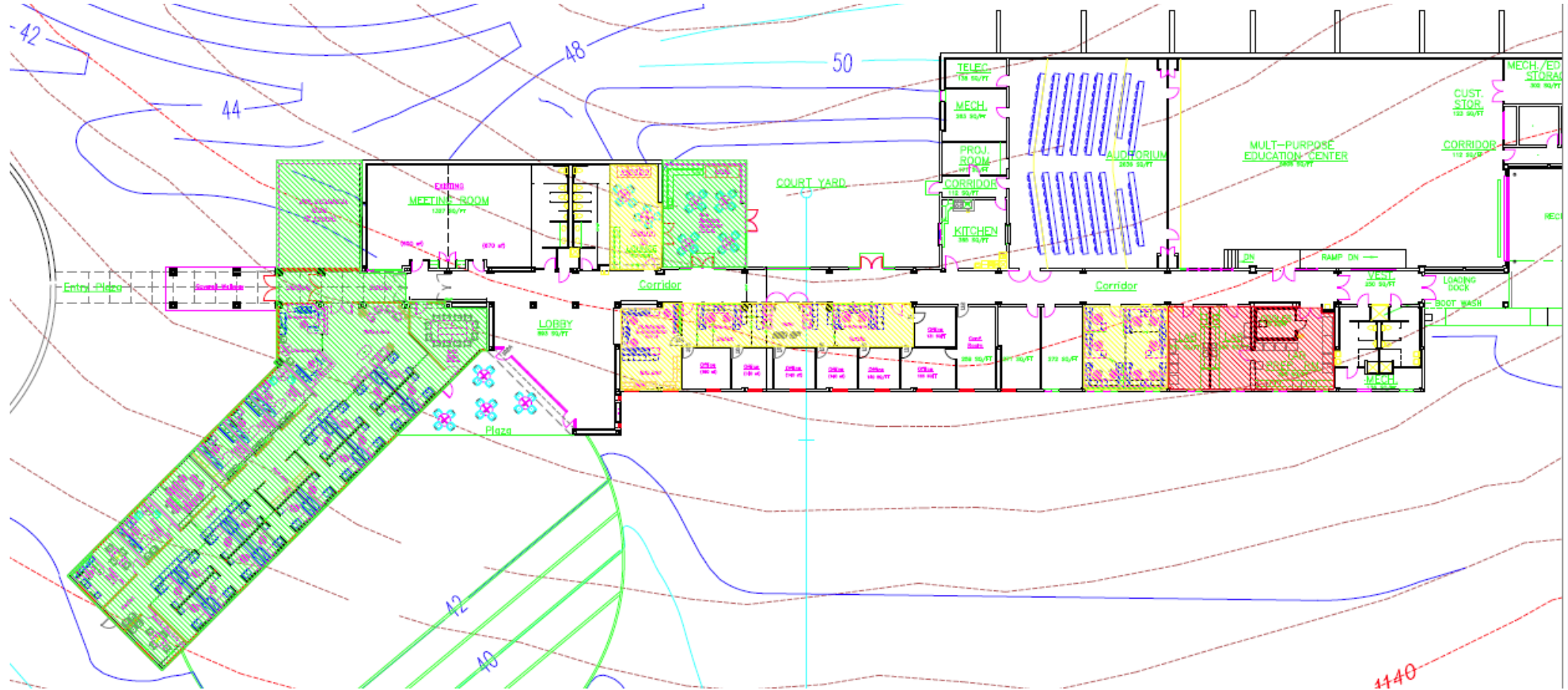
# EASTERN NEBRASKA RESEARCH AND EXTENSION CENTER

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- **Headquarters at the ARDC near Ithaca**
  - Christenson Building will be expanded and renovated
- **Transition led by Don Adams**
- **Comprising three extension districts**
  - Northeast Extension District
  - Southeast Extension District
  - Metropolitan Extension District
    - Dodge, Washington, Douglas, Sarpy, Cass, and Lancaster Counties
- **Utilize existing funding**
- **Searches underway for three associate directors**
  - will lead districts



# EASTERN NEBRASKA RESEARCH AND EXTENSION CENTER



**Christenson Building**



## EVENTS

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- **Nebraska State Fair 2016**  
**#UNLRedOut**

**Sunday, September 4**

- **Ice Cream Social**
  - 1–3 p.m.
  - Hospitality Loft
- **UNL Pep Rally**
  - 4–5 p.m.
  - Family Fun Zone Stage



## EVENTS

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Sept. 13, 14 & 15, 2016  
Grand Island, Nebraska

Visit the IANR Building



# EVENTS

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## **Yeutter Symposium – September 13, 2016**

### ***Asia-Pacific Economic Integration and the Role of the United States in Japan***

Keynote address by: Hiroyuki Ishige, Chairman and CEO, Japan External Trade Organization (JETRO)

- 2:30 p.m. – Registration and refreshments
- 3:00 p.m. – Keynote address
  - Location: Nebraska Innovation Campus Conference Center, Auditorium
- 4:30 p.m. – Reception, hosted by JETRO
  - Location: Nebraska Innovation Campus Conference Center, Banquet Hall



# EVENTS

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- **East Campus Tailgates 2016**

- **October 1, CASNR Alumni Reunion/Silent Auction**

- Huskers vs Illinois
    - Tailgate: 10:30 a.m.
    - Kickoff: 2:30 p.m.

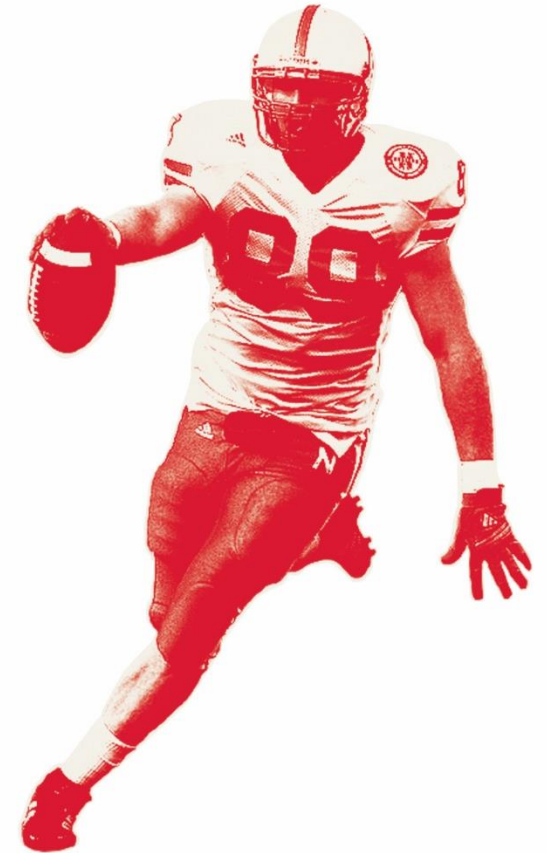
- **October 22**

- Huskers vs Purdue
    - Tailgate: TBD

- **November 12**

- Huskers vs Minnesota
    - Tailgate: 2:30 p.m.
    - Kickoff: 6:30 p.m.

**Great Plains Room –  
Nebraska East Union  
Free food and parking!**



## EVENTS

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- **Mark Lynas: “GMOs are Green: How an Environmentalist Changed His Mind About Biotechnology”**
  - October 10, 2016
  - Reception at 3 p.m.; Lecture at 3:30 p.m.
- **Mark Poeschl, CEO of National FFA**
  - January 10, 2017
  - Lecture at 7 p.m.
- **Not yet confirmed – would be part of the Water for Food conference**
  - April 13, 2017



**Free and open to the public**

# EVENTS

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## East Campus Residence Hall Preview

- **Opportunity to preview the new east campus residence hall rooms and layout; held at the Nebraska East Union**
- **“Fast Pass” – Wednesday, October 19, 4–8 p.m.**
  - Invitation to those who are current residents of Burr & Fedde Halls
- **Open House – Thursday, November 17, 4–8 p.m.**
  - Invitation to all: students, faculty, staff, alumni, and stakeholders



## EVENTS

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- **Burr/Fedde and Friends Reunion 2017**
  - **Tickets are \$75 and include:**
    - 8 a.m. Breakfast
    - 9 a.m. East Campus Tours
    - 12 p.m. Lunch featuring Val's
    - 2 p.m. UNL City Campus Experience
    - 6 p.m. Kickin' Back 50s Style Dinner and Celebration at the Cornhusker



**Saturday, June 10, 2017**



# AWARDS

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## **All IANR Faculty and Staff Award Nominations now due October 1<sup>st</sup>**

The awards coordinated by the Institute of Agriculture and Natural Resources recognize faculty and staff members who advance the mission of the University in teaching, research, extension, and service. We are currently accepting nominations for the following awards:

- **Outstanding Employee Award**
- **Omtvedt Servant Leader Award**
- **Dinsdale Family Faculty Award**
- **Omtvedt Innovation Award**

Full nomination packet should be submitted electronically by the Unit Administrator to the IANR Vice Chancellor's office in care of Jessie Brophy at [jbrophy3@unl.edu](mailto:jbrophy3@unl.edu). For more information visit: <http://ianr.unl.edu/ianr-awards-and-recognition>.





# LOOKING FORWARD

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- **Rising star**
  - “No. 9 in U.S., based on increase in the number of articles that institutions contributed to 68 top-flight **natural science** journals between 2012 and 2015”
- **Culture of innovation**
  - Feet on the ground – Eyes on the horizon
- **Culture of teamwork**



# WE ARE FORTUNATE

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## □ Nebraska

- Third highest cash receipts from all farm commodities – great natural resources
- Support by citizens, and the legislature
- "This state has a thriving bio-economy tied to a rich natural resource endowment and skilled human capital which will only increase in importance in a world of rising global demand for food and other agriculturally based output."



# WE ARE FORTUNATE

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## □ President Bounds

- Four cornerstones
  - Students; Innovative Research; Partners; People
- Three focus areas
  - Defending Against Emerging Threats to National Security
  - Training and Treatment – Highly Infectious Diseases
  - Food and Water Security



# WE ARE FORTUNATE

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## ❑ Former Chancellor

- “solve emerging issues of scarce food supplies, climate change, water availability, and environmental sustainability”

## ❑ Current Chancellor

- Understands and champions our work



# WE ARE FORTUNATE

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## ❑ Doing meaningful work – that makes a difference in the world

- Number of graduates in agricultural fields – falling short of demand
  - According to Purdue study, only 61% of 58,000 jobs are filled each year
- Need for safe, high quality food produced with good environmental stewardship continues to grow
  - In 2020 – one farmer will feed 200
  - In 2050 – one farmer will feed 250



# INSTITUTE OF AGRICULTURE AND NATURAL RESOURCES

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**Outstanding team**

**Doing meaningful work**

**Making a difference in the world**



**Questions?**