



INSTITUTE OF AGRICULTURE AND NATURAL RESOURCES

**All Hands
Mike Boehm
January 18, 2017**

OVERVIEW

- Possibilities
- University Strategic Planning
- Unit Updates
- Partnerships
- People
- Places





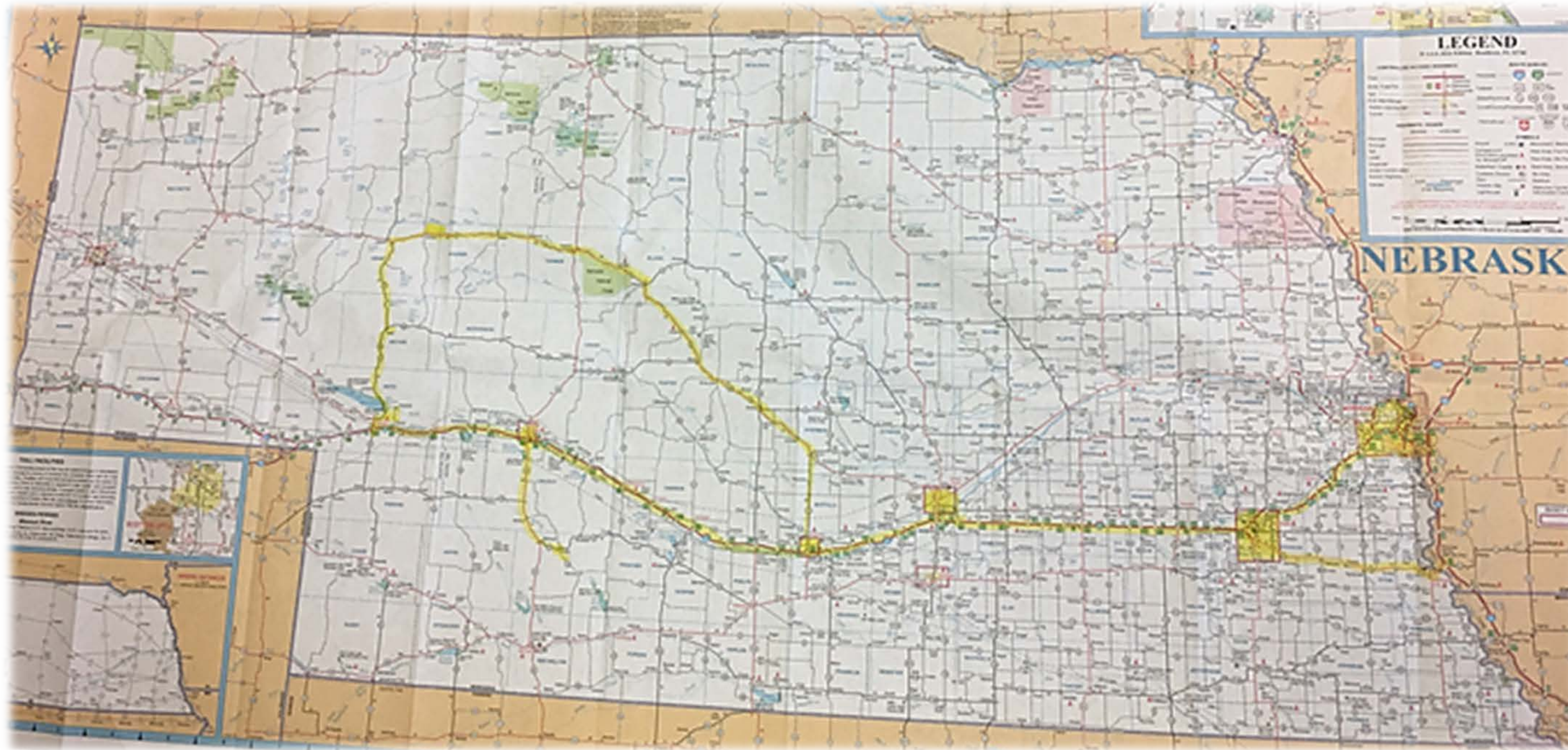
A BIT ABOUT ME







OH THE PLACES WE'VE BEEN...





IANR ON THE ROAD





Momentum

Innovation





Collaboration





UNIVERSITY STRATEGIC PLAN

2017 will be the 'Year of the Strategic Plan'

- Four Tasks Forces formed
 - Achieving Distinction
 - Budget Model
 - Smart Enrollment Growth
 - Student Matriculation Success
- Enhancing Diversity and Inclusion



LEGISLATIVE UPDATE

Lots of New People:

- 25 of 49 seats were up for election
- 17 new senators were elected
 - (34.7% turnover)

Budget Setting Session



2017 Nebraska Unicameral Seating Chart

Updated: January 12, 2017

Last Name; Dist. #: Party; Phone; Room

Row	1	2	3	4	5	6	7	8	9	10
1	Halloran, 33, R, 2712, 1306	OPEN	Lowe, 37, R, 2726, 1528	Briese, 41, R, 2631, 1120	Albrecht, 17, R, 2716, 2010	Ebke, 32, L, 2711, 1103				
2	Greene, 42, R, 2729, 1107	Brewer, 43, R, 2628, 1202	McDonnell, 05, D, 2710, 1522	Wishart, 27, D, 2632, 1308	Waltz, 15, D, 2625, 1403	Hansen, 26, D, 2610, 1017				
3	Frisen, 34, R, 2630, 1110	Linehan, 39, 2885, 1117	Wayne, 13, D, 2727, 1212	Boebelman, 23, R, 2719, 1118	Geist, 25, R, 2731, 1115	Craighead, 06, R, 2714, 2107				
4	Schumacher, 22, R, 2715, 1124	Chambers, 11, L, 2612, 1302	Blood, 03, D, 2627, 1021	Crawford, 45, D, 2615, 1016	Morfeld, 46, D, 2720, 1008	McCollister, 20, R, 2622, 1101				
5	Kintner, 02, R, 2613, 1000	Erdman, 47, R, 2616, 1529	Harr, 06, D, 2722, 2011	Vargas, 07, D, 2721, 1523	Hilgers, 21, R, 2673, 1404	Waltermeier, 01, R, 2733, 2108				
6	Muranke, 49, R, 2725, 1423	Kiepe, 12, R, 2623, 1402	Brach, 16, R, 2728, 1022	Pansing Brooks, 26, D, 2632, 1206	Quick, 35, D, 2617, 1406	Howard, 09, D, 2723, 1012				
7	Larson, 40, R, 2801, 1019	Lindstrom, 18, R, 2618, 1401	Jim Smith, 14, R, 2730, 1116	Kuehn, 38, R, 2732, 2000	Baker, 30, R, 2620, 1208	Kollerman, 24, R, 2756, 2004				
8		Scheer, 19, R, 2529, 2103	Kolowski, 31, D, 2327, 1018	Williams, 36, R, 2642, 2015	Stinner, 48, R, 2802, 1004					
9		Hickmann, 04, R, 2621, 2028	Krist, 10, R, 2718, 1114	Bolz, 29, D, 2734, 1015	Hughes, 44, R, 2805, 1210					
10			SGT							SGT



NU BUDGET

We've Always Been a Good Investment

- \$3.9 billion annual economic engine for Nebraska.
- 6-to-1 return on their investment.
- 1 of every 36 jobs in Nebraska is attributable to the university.
- Produce 10,000 graduates each year
- Source of expertise for solutions to the most pressing challenges.
- Partner to serve all Nebraskans, presence in all 93 counties





NU BUDGET

Open Forum, Nebraska Union Auditorium

Tuesday, January 31
8 a.m. (staff)
9:15 a.m. (faculty)

Streaming details TBA



**A MESSAGE FROM
THE PRESIDENT**
ON THE UNIVERSITY OF NEBRASKA BUDGET

January 12, 2017

Dear Colleagues:

I'm writing to update you on our budgetary challenges. In his State of the State address today, Governor Ricketts proposed a 2017-19 budget package that includes reductions for a number of state agencies, including the University of Nebraska. Under the Governor's proposal, our state funding would be reduced by \$12 million next year, with half of that amount restored in the second year.

"WE HAVE TWO OPTIONS: CUTS AND REVENUE ENHANCEMENT. THE EXTENT TO WHICH WE WILL RELY ON EACH DEPENDS ON THE BUDGET THAT STATE LEADERS APPROVE. TUITION, JOBS AND UNIVERSITY SERVICES ARE CERTAIN TO BE IMPACTED."

HANK BOUNDS
President, University of Nebraska



UNIT UPDATES



ARD
DEAN
AGRICULTURAL
RESEARCH
DIVISION



Archie Clutter



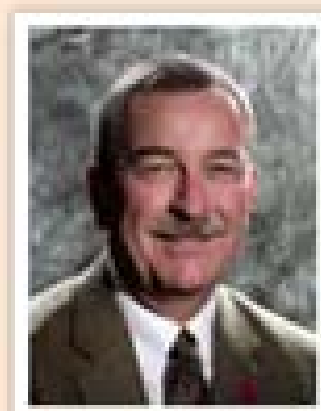
CASNR
DEAN
COLLEGE OF
AGRICULTURAL
SCIENCES AND
NATURAL
RESOURCES



Steve Waller



EXTENSION
DEAN
NEBRASKA
EXTENSION



Chuck Hibberd



CEHS
DEAN
COLLEGE OF
EDUCATION
AND HUMAN
SCIENCES



Marjorie Kostelnik



NCTA
DEAN
NEBRASKA COLLEGE
OF TECHNICAL
AGRICULTURE



Ron Rosati



Nebraska College of Technical Agriculture

Fall semester	FTE – full-time, on-campus	Percent increase
2016	245	2.5
2015	239	4.8
2014	228	6.5
2013	214	





Nebraska College of Technical Agriculture





CASNR ENROLLMENT UPDATE

Enrollment: 12 years of growth

Undergraduate: 2,340

Graduate: 692

Professional Students: 57

Retention Rate (10 year average):

85% CASNR, 72% national average

Graduation Rate (10 year average):

76%; celebrated our 23,560th graduate in December 2016

Placement rate: Highest entry placement rate





CASNR GLOBAL ENGAGEMENT

CASNR Undergraduate Scholarship Program (CUSP) for Rwanda



"I believe that when I leave UNL, I will have learned new techniques, how to choose the best fertilizers, how to prevent soil erosion, and how to ensure food security without harming the environment. My peers and I will have the mindset to think about the future and how each one of us can positively impact the lives of all Rwandese."

-CUSP Cohort 2 Scholar



CASNR GLOBAL ENGAGEMENT

3+1 Dual Degree Program in Food Science and Technology (UNL and Northwest Agriculture and Forestry University – NWAUFU, Xianyang, China)



- Years 1 and 2: Courses taught by NWAUFU faculty; curriculum mirrors UNL Food Science and Technology degree program
- Year 3: UNL faculty teach third year of degree program in Xianyang
- Year 4: 3+1 students complete fourth year of degree in Lincoln

- 3+1 students earn degrees from both institutions



GRADUATE EDUCATION

From Foundational to Translational



PhD in Complex Biosystems: The PhD Program in Complex Biosystems is designed to prepare students for both academic and industrial careers. It is directed toward students interested in applying quantitative statistical and computational approaches to data acquisition and analysis in multiple life sciences fields including human health and medical biochemistry, plant phenomics, and host-microbial metagenomics.

New Opportunities:

- Nebraska Food for Health Center (agriculture and medicine)
- Nebraska One Health (integration of human, animal, plant, and ecosystem health)
- Consortium for Integrated Translational Biology (CITB) (addressing the genotype to phenotype gap in plant science)



GRADUATE EDUCATION

Recognizing the Diversity of Possible Career Paths:

- Academia - Research, Extension, Teaching
- Industry
- NGO's
- Foundations
- Government (local, state, federal)



Creating Unique Opportunities with Private-Sector Partners

- Offer component of program as visiting collaborator (intern) to partner companies
- Leverage Nebraska Innovation Campus for Innovative Experiential Learning
 - Provide participation in collaborative projects with companies
 - Provide opportunities for professional development training



RESEARCH - UNL

FEATURED

UNIVERSITY OF NEBRASKA

UNMC, UNL break records in research money

CHRIS DUNKER Lincoln Journal Star Aug 3, 2016  (0)



[MORE INFORMATION](#)

Both the University of Nebraska Medical Center and the University of Nebraska-Lincoln reported record hauls in sponsored research funding last year.

UNMC's all-time high of \$115.1 million eclipses its previous record of \$115 million set in 2009-10, which was bolstered by American Recovery and Reinvestment Act dollars.

"We're pretty excited about reaching this milestone," said Jennifer Larsen, UNMC's vice chancellor for research.

[Latest news](#)



RESEARCH - IANR

Fiscal Year	Research Expenditures	Sponsored Research Expenditures	Tenured & Tenure Track FTE	Research Expenditures per FTE	Sponsored Research Expenditures per FTE
2015	\$132,239,461	\$52,746,006	290	\$456,628	\$182,134
2014	\$123,279,217	\$46,358,960	279	\$441,544	\$166,042
2013	\$116,788,119	\$40,741,153	275	\$424,669	\$148,144
2012	\$107,844,403	\$39,364,810	266	\$405,873	\$148,150



RESEARCH

Phenomics – the science of measuring a set of observable characteristics of an organism or crop as influenced by their environment over time.



Beadle, 2014



**Greenhouse Innovation
Center, NIC, 2016**



ARDC, 2017



PARTNERSHIPS

Nebraska Food for Health Center





NEBRASKA INNOVATION CAMPUS





PARTNERSHIPS

Beef Systems Research Initiative

Multi-disciplinary faculty team charged with completing a research plan by April that strategically integrates IANR state-wide facilities, partnerships with USMARC, and leverages for additional external funds.

Integrated Beef Systems Faculty Committee

Mary Drewnoski
Rick Funston
Jay Parsons

Richard Randle
Walt Schacht
Rob Mitchell – ARS

Galen Erickson
Jim McDonald
Harvey Freetly – ARS

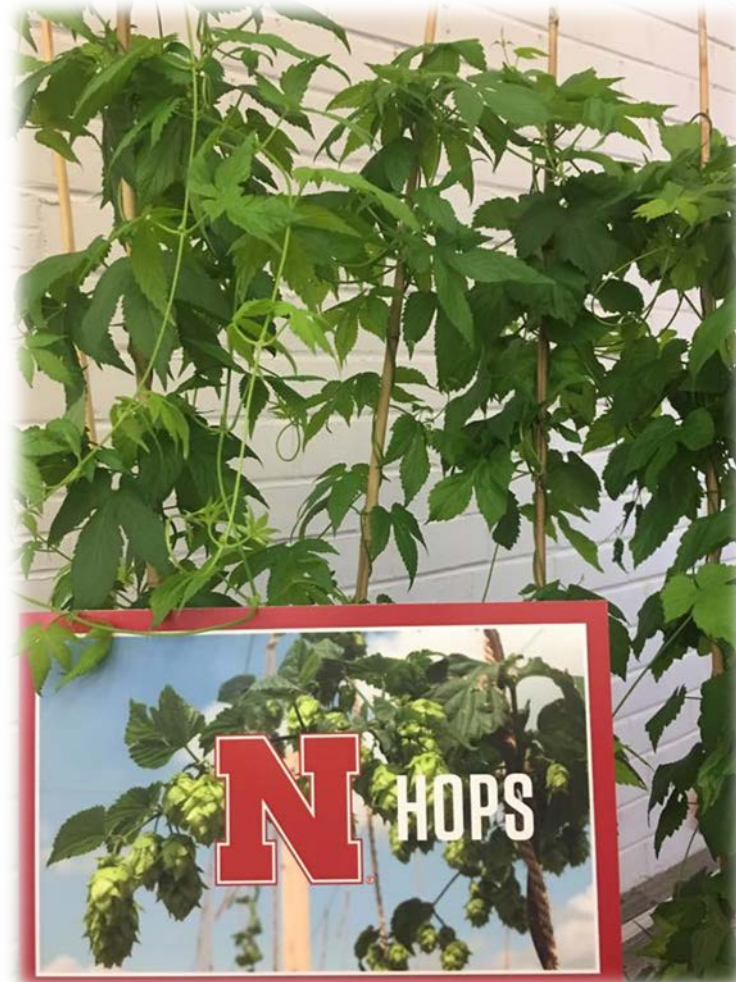
Daren Redfearn
Matt Spangler

\$1.5M Funding Opportunity – Next 5 years



PARTNERSHIPS

First Conference Nebraska Brewers & Growers Conference





PARTNERSHIPS

Nebraska (Yangling) Agricultural Sci-tech Park

- Demonstration farm using American farming technology
- Partners: NE Dept. of Economic Development, Nebraska Extension & Yangling Agriculture Hi-tech Demonstration Zone.
- Lindsay, Valley, and Reinke are providing center pivots.
- Behlen will install grain bins and a drying system.
- Preferred Popcorn will provide popcorn seed.
- Primary crops will be field corn, popcorn, wheat and soybeans.
- Extension will provide a management plan and weekly crop management updates as well as on-the-ground support at the farm.
- Josh Davis, Jon Kerrigan and Chuck Hibberd are project leads.



ENGAGING YOUTH



“The next science standards specifically focus on engineering, but engineering traditionally is not taught in schools, especially at these grades. We saw an opportunity to fill that gap with this new curriculum.”

- Brad Barker



Celebration of Youth XXIII: A Harvest of Creatives

- Sponsored by the Department of Textiles, Merchandising & Fashion Design (TMFD)
- Hosted at the Robert Hillestad Textiles Gallery in September/October.
- Displayed the work of 4-H youth from across Nebraska that were winners in the areas of clothing, home environment and Quilt Quest from the Nebraska State Fair.

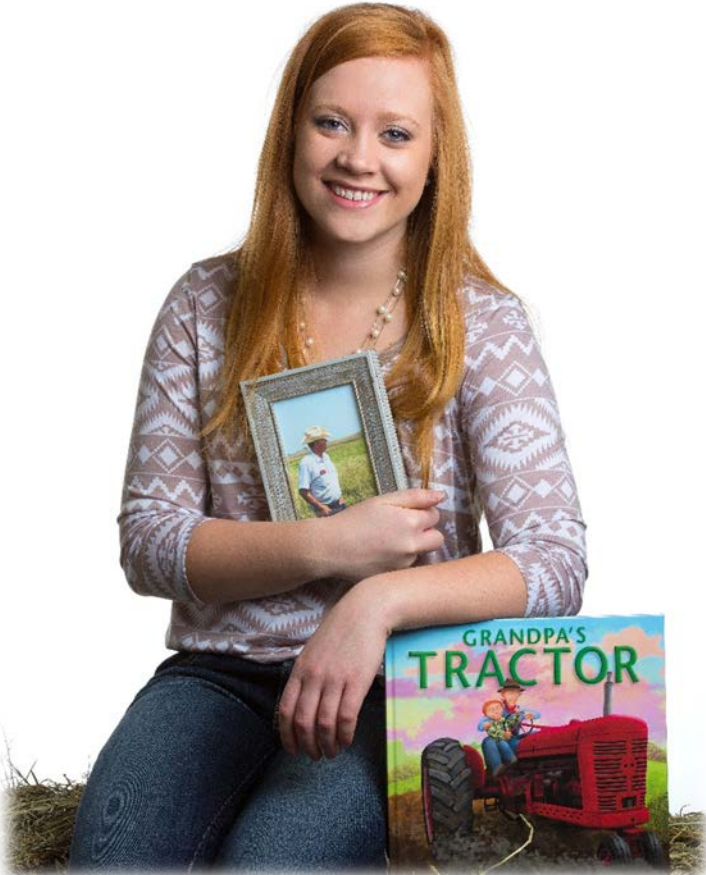




ENGAGING YOUTH

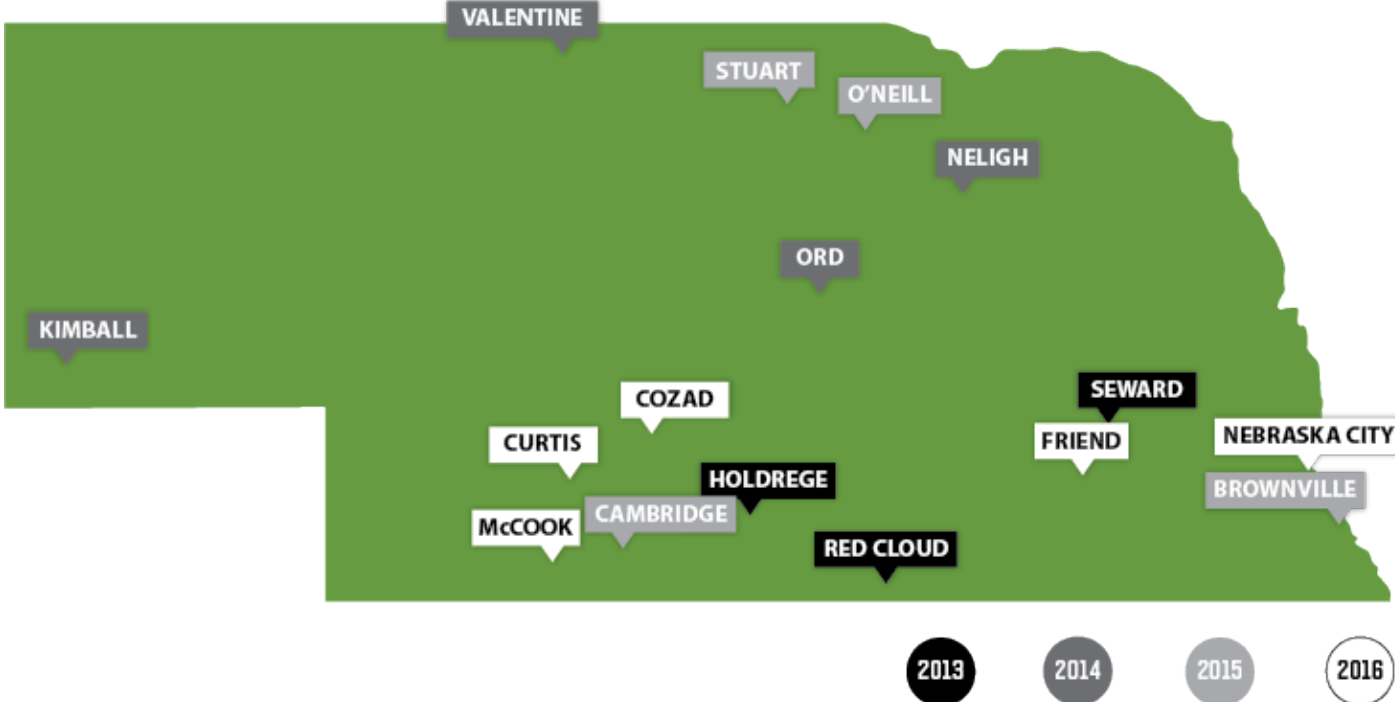


Mark Poeschl
CEO, National FFA



Engler Agribusiness
Entrepreneurship Program

RFI Student Serviceship Communities



Rural Futures
Internship Program



NEW PEOPLE



Faculty Members: 30

Post-Docs: 6

Staff: 23



NEW TENURE-LINE FACULTY



Michael
Adamowicz



Ajai
Ammachathram



Troy
Anderson



John
Benson



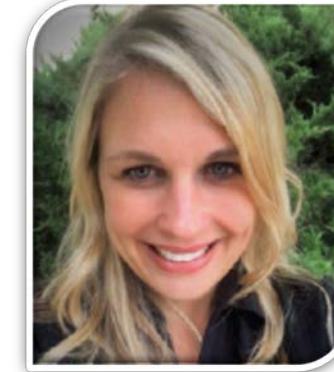
Andrea
Bianchini-Huebner



Jeong Hoon
Choi



John
Gamon



Holly
Hatton-Bowers



Reka
Howard



Jennifer
Johnson-Jorgensen



Forrest
Kievit



Surin
Kim



Bijesh
Maharjan



Kaustav
Majumder



Tiffany
Messer



Claire
Nicholas



Toshihiro
Obata



Jamilynn
Poletto



Jeffrey
Stokes



Xinghui
Sun



Cole
Thompson



Judith
Turk



Brian
Vander Ley



Ana Maria
Velez Arango



Rebecca
Wachs



Mark
Wilkins



Yuhang
Xu



Jinliang
Yang



Yeyin
Shi



Jiujiu
Yu



LEADERSHIP CHANGES



Clinton Krehbiel

Department Head, Animal
Science



Steve Waller

Dean, College of Agricultural
Sciences and Natural Resources



Roch Gaussoin

Department Head, Agronomy
& Horticulture



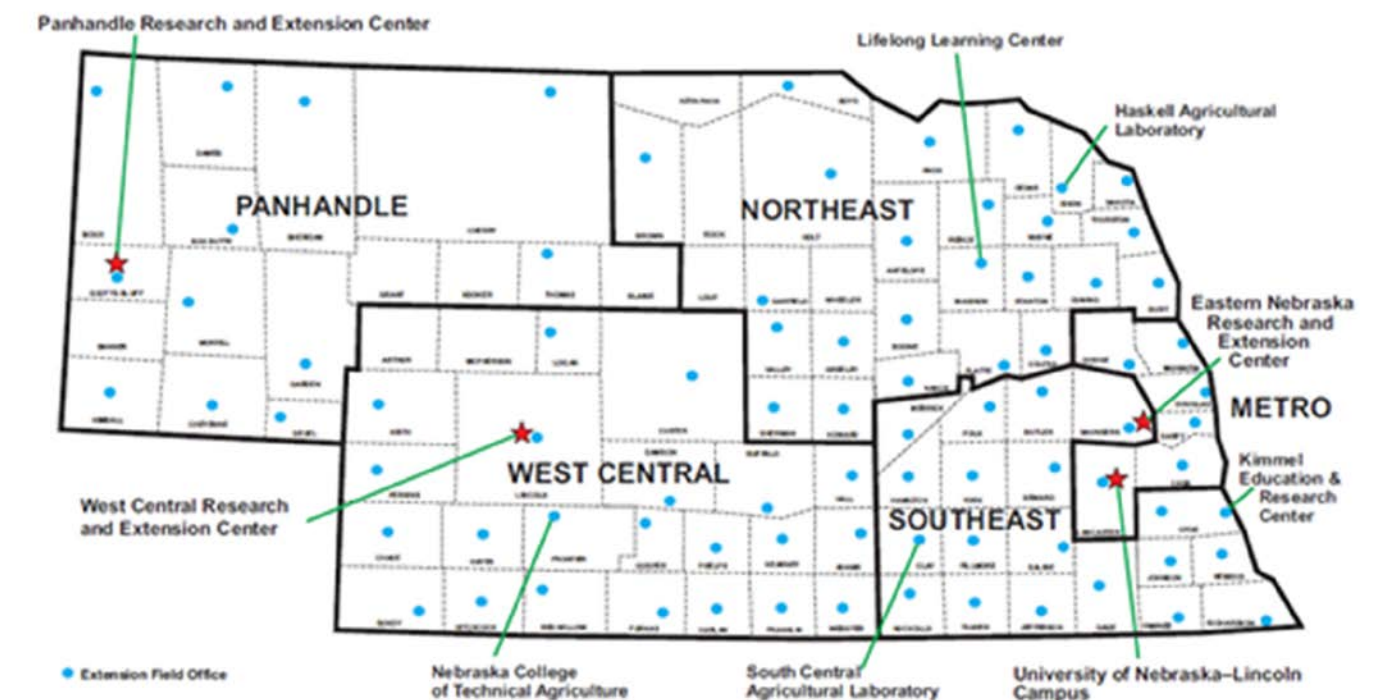
Dave Varner

Associate Dean, Nebraska
Extension



EASTERN NEBRASKA RESEARCH AND EXTENSION CENTER

- Headquarters at the ARDC near Ithaca
- Transition led by Don Adams
- Recently hired three associate directors
 - Bill Kranz, Northeast Associate Research and Extension Director
 - Dave Ulferts, Metro Associate Research and Extension Director
 - John Westra, Southeast Associate Research and Extension Director





PLACES

Veterinary Diagnostic Center



Opening Summer 2017



PLACES

East Campus Residence Hall



*Opening
Fall 2017*



PLACES

East Campus Union





PLACES

East Campus Academic Commons C.Y. Thompson Library



Fundraising Currently Underway



EVENTS

Water for Food Conference

Water for Food
GLOBAL CONFERENCE
at the University of Nebraska

Water for Food Security:
From Local Lessons to Global Impacts

APRIL 10-12, 2017
Nebraska Innovation Campus
Lincoln, Nebraska, USA

WORKING TO MEET THE WORLD'S GROWING FOOD NEEDS

HEUERMANN LECTURES

heuermannlectures.unl.edu



EVENTS

Burr/Fedde and Friends Reunion 2017

Tickets are \$100 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



Going Forward

*If we focus on the success of our people,
by being accessible, equitable, diverse & inclusive,
by being an engaged university,
through authentic partnerships,
we will make a difference in the world.*





Time to Hear from You!