

Iowa Swine Day

Thursday, June 30, 2022

Scheman Building, Ames, IA

7:30 AM Registration opens

Plenary session

Session chair: Stacie Matchan, extension program specialist, Iowa Pork Industry Center, Iowa State University

8:30 AM Welcome

Dr. John Lawrence, Vice President for Extension and Outreach, Iowa State University, Ames, IA

8:45 AM Opportunities and platforms: Overcoming adversity

Aaron Thomas, high school principal and coach, Aplington-Parkersburg High School, Parkersburg, IA

Holding true to what you believe is important in life and it will be tested in the most difficult situations. How will you react when life surprises you with adversity? Life presents you with opportunities in both good and bad situations but how an individual responds to those opportunities are crucial. Aaron will challenge you to look at your life, your family, and your job to see if you are maximizing the circumstances you are presented with.

9:30 AM Wild boar populations

Dr. Ryan Brook, associate professor, Animal and Poultry Science, University of Saskatchewan, Saskatoon, SK

10:15 AM Break

10:45 AM Global market dynamics and impact on US pork production

Dr. Karl Skold, Head of Agricultural Economics, JBS USA, Greeley, CO

World events have created a dynamic environment for US pork producers. A review of key trends and drivers of the supply and demand balance are reviewed.

11:30 AM Geopolitical and other global influences and game-changers affecting US agriculture

Peter Zeihan, geopolitical strategist, Zeihan on Geopolitics, Austin, TX

Lunch

12:15 PM BBQ Lunch - sponsored by Iowa Pork Producers Association

Serving lines and seating area are outdoors in the tent area south of the Scheman Building.

Concurrent session A – Foreign animal disease in Iowa

Session chair:

1:30 PM National foreign animal disease (FAD) update

Dr. Jack Shere, associate administrator, Animal and Plant Health Inspection Service, USDA, Washington, D.C.

A status update on African Swine Fever (ASF) and Foreign Animal Disease (FAD) preparedness in the United States.

2:10 PM Understanding lateral disease introduction dynamics during the wean to market phase and biosecurity implications

Dr. Kate Dion, graduate student, veterinary medicine, Iowa State University, Webster City, IA

This presentation will describe work from a research project that aimed to detect and describe lateral disease introduction of PRRSV and porcine enteric coronaviruses in wean to market facilities and the events and characteristics that were associated with the introductions.

2:50 PM Break

3:10 PM **Next step in FAD preparedness: How to integrate available resources**

Dr. Chris Rademacher, clinical professor, Veterinary Medicine and associate director, Iowa Pork Industry Center, Iowa State University, Ames, IA

We will provide an overview of all the national, regional and local resources that producers can use to take the next step in FAD preparation. We will discuss US-SHIP, AgView, Secure Pork Supply Plans and how they can be used into an integrated FAD preparedness national plan.

3:50 PM **State of the state and preparedness/prevention of an FAD in Iowa**

Dr. Jeff Kaisand, state veterinarian, Iowa Department of Agriculture & Land Stewardship, Des Moines, IA

An overview of the state of preparedness/prevention for an FAD in Iowa.

4:30 PM Conference adjourns

Concurrent session B – The evolving labor force

Session chair:

1:30 PM **Engaging frontline employees with your IT strategy**

Kent Mogler, Consulting CFO, Ken Mogler, Mendota Heights, MN

Pig Hill / Mogler Farms are driving their farm operation with scoreboards and reporting that engages the frontline employees. An integrated ERP system and taking control of their data with the same focus used in genetics, nutrition, or precision ag, enables real-time, compelling scoreboards to be delivered to front-line employees everyday.

2:10 PM **Technology adoption challenges and opportunities**

Dr. Caleb Shull, director, research and development, The Maschhoffs LLC, Newton, IL

Technology offers solutions to many of the problems we are facing in today's production environment. This presentation will explore the lessons learned from evaluating and adopting technologies and discuss opportunities that lie ahead for the swine industry.

2:50 PM Break

3:10 PM **Creating successful teams and cultures on a sow farm**

Max Klepper, farm manager, Iowa Select Farms, Iowa Falls, IA

This presentation covers key concepts for creating successful teams on a sow farm. It will also include many principles for creating a successful culture on a sow farm.

3:50 PM **Nurturing resiliency in ourselves and at the worksite**

Dr. David Brown, behavioral health state specialist, Iowa State University Extension and Outreach, Ames, IA

Since the beginning of the pandemic, stress, anxiety and depression rates skyrocketed in US adults. These rates continue to remain elevated and at extraordinarily prolonged levels. Many workforces have been affected. Learn to recognize the signs of stress and discover tips, resources, and activities to nurture your own resiliency and to assist those at your worksite.

4:30 PM Conference adjourns

Concurrent session C – Improving pig livability

Session chair:

- 1:30 PM Individual sow care to improve on farm mortality**
Dr. Justin Brown, assistant teaching professor, Swine Medicine Education Center, VDPAM, Iowa State University, Ames, IA
 Strategies to improve sow survivability on farm will be discussed.
- 2:10 PM Breeding herd mortality: Opportunities for measurable impact**
Dr. Fernando Bortolozzo, professor, Animal Medicine, UFRGS, Porto Alegre, Rio Grande do Sul, Brazil
- 2:50 PM Break**
- 3:10 PM Improving whole-system livability: "Elimination diet" approach**
Dr. Christine Mainquist-Whigham, Director of Health, Pillen Family Farms, Columbus, NE
 Our whole-system approach to livability was an "elimination diet" technique to identifying some root cause issues contributing to reduced survivability. Through the use of technology, field trials, and production practice strategies, we have been able to pinpoint some key factors that contribute to livability from the gilt to the sow to the growing pig. This presentation outlines our journey of trial and error and summarizes practices that have repeatable efficacy on mortality reduction.
- 3:50 PM Decision tools for improving mortality**
Dr. Lee Schulz, associate professor, Economics, Iowa State University, Ames, IA; Russ Euken, extension livestock specialist, Iowa State University Extension and Outreach, Garner, IA
 As producers consider strategies intended to reduce mortality, they are making a cost-benefit analysis. This is not a trivial task because the value of having something to sell depends on market pig prices, feed prices, and other factors and, therefore, will vary for each individual operation or production system and vary over time. This presentation will highlight decision tools and sensitivity analyses for assessing the economic opportunity of changing mortality rates on farrow to wean and wean to finish operations.
- 4:30 PM Conference adjourns**

Concurrent session D – Iowa State University research*Session chair:*

- 1:30 PM Update on the APP serotype 15 outbreak in central Iowa**
Dr. Derald Holtkamp, professor, Vet Diagnostic and Production Animal Medicine, Iowa State University, Ames, IA
 Following an outbreak of *Actinobacillus pleuropneumoniae* (APP) serotype 15 in growing pigs that began in central Iowa in November 2021, investigations funded by the Swine Health Information Center and led by ISU researchers made some significant discoveries about the nature of the bacteria and how it was likely transmitted from site-to-site. This presentation will summarize the most significant lessons learned from the investigation of the outbreak.
- 2:10 PM Fertility effects of chemical exposures**
Dr. Aileen Keating, professor, Animal Science, Iowa State University, Ames, IA
- 2:50 PM Break**
- 3:10 PM Foodservice bacon quality: Current and future research**
Dr. Terry Houser, Smithfield Chair in Meat Science Extension, Animal Science, Iowa State University, Ames, IA
 This session will focus on improving oxidative quality of foodservice bacon.
- 3:50 PM How to best utilize feed on hand during a feed movement standstill**
Dr. Nick Gabler, professor, Animal Science, Iowa State University, Ames, IA

4:30 PM Conference adjourns

Post-conference bar and barbecue

4:30 PM Bar opens

Barbecue service begins

Organized and sponsored by TechMix, AB Vista and Lynch Livestock.