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EDEN Agrosecurity Symposium
April 22 – 23, 2013
Patriots Plaza III Conference & Training Center, Washington, DC

AGENDA

Monday, April 22, 2013

7:30am – 8:00am  Registration

8:00am – 8:15am  Welcome & Opening Remarks

Rick Atterberry, EDEN Chair, Media Communications Specialist, University of Illinois – Moderator
Mark Robinson, National Program Leader, USDA, NIFA

8:15am – 9:30am  Plenary Session A.1: Federal Perspectives

National Preparedness
Eric Runnels, Executive Director of the PPD-8 Program Office, FEMA

Food and Agriculture Sector Critical Infrastructure Security and Resilience
Jessica Pulz, Chief of the Resilience and Preparedness Division within OHSEC, USDA

9:30am – 9:45am  Networking Break/Poster Presentations

9:45am – 10:30am  Plenary Session A.2: Federal Perspectives (continued)

Developing a Uniform Training and Education Curricula for Animal Agriculture Emergency Response
Doug Meckes, Branch Chief, FAV Defense Branch, OHA, DHS

10:30am – 10:45am  Networking Break/Poster Presentations
Monday, April 22, 2013 (continued)

10:45am – 12:00pm

Plenary Session B: EDEN and Strengthening Community Agrosecurity Preparedness (S-CAP)

EDEN: Examining Disasters through the Lens of Extension
Steve Cain, EDEN Homeland Security Project Director, Disaster Communication Specialist, Purdue University

S-CAP: Engaging Agricultural Emergency Management Stakeholders at the Local Level
Andrea Higdon, EDEN S-CAP Program Director, Emergency Management System Director, University of Kentucky

Panel Presentation: “S-CAP Highlights”
Sandy Johnson, Emergency Management Coordinator, Kansas Department of Agriculture
Jeanne Rankin, Agro-Emergency Projects Coordinator, Montana State University Extension

The Role of the National Center for Biomedical Research and Training (NCBRT)
Tom Tucker, Director of the NCBRT, Louisiana State University

12:00pm – 1:00pm

Working Lunch

Emergency Support Function (ESF)-11: Agriculture and Natural Resources
Ron Walton, National Coordinator for Agriculture and Natural Resources/ ESF-11

1:00pm – 2:15pm

Breakout Session C.1: Identifying Agricultural Preparedness Challenges – Intra-Agency Working Groups

2:15pm – 2:30pm

Networking Break/Poster Presentations
2:30pm – 3:30pm  
**Breakout Session C.2: Identifying Agricultural Preparedness Challenges – Inter-Agency Working Groups**

*Breakout Session C.2 will begin in the customized breakout rooms. Refer to customized breakout room assignments in your folder.*

3:30pm – 3:45pm  
**Networking Break/Poster Presentations**

3:45pm – 5:00pm  
**Plenary Session C.3: Agricultural Preparedness Challenges**

**Challenge Development Report**

*Rick Atterberry, Moderator*

**Looking to the Future: Preparedness in the Food and Ag Sector**

*Billy Dictson, Director Southwest Border Food Safety and Defense Center, New Mexico State University – retired*
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AGENDA

Tuesday, April 23, 2013

7:30am – 8:00am  Registration - please sign in at the registration desk again today.

8:00am – 8:15am  Welcome & Opening Remarks

*Rick Atterberry*, Moderator  
*Mark Robinson*, National Program Leader, USDA, NIFA

8:15am – 10:15am  Breakout Session D.1: Strategy Development to Address Agricultural Preparedness Challenges Working Groups

*Rick Atterberry*, Moderator

10:15am – 10:30am  Networking Break/Poster Presentations

10:30am – 11:00am  Plenary Session D.2: Agrosecurity in Action

Panel Presentation: EDEN State Program Highlights  
*Steve Cain*, Moderator  
*Kim Cassel*, Professor, South Dakota State University  
*Curt Emanuel*, Extension Educator, Clinton County Extension, Purdue University

11:00am – 11:45am  Plenary Session D.3: Strategies for Agricultural Preparedness

Strategy Development Report  
*Rick Atterberry*, EDEN Chair – Moderator

11:45am – 12:00pm  Closing Remarks

*Mark Robinson*, National Program Leader, USDA, NIFA

12:00pm  Adjourn -- Thank you all!
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ACKNOWLEDGEMENTS

The Extension Disaster Education Network (EDEN) Agrosecurity Symposium is made possible by funding received by the University of Kentucky through the Smith-Lever Special Needs Competitive Grants Program of the United States Department of Agriculture (USDA) National Institute of Food and Agriculture (NIFA), grant # 2012-41210-20062 and the USDA NIFA Food and Agriculture Defense Initiative (FADI). The continued financial support from federal partners helps communities prepare for and increase resiliency to future agricultural disasters.

The EDEN Agrosecurity Symposium would like to gratefully acknowledge the tremendous contributions of the following individuals who made this event possible:

**SYMPOSIUM DEVELOPMENT TEAM:**

Craig Askim, North Dakota State University
Ray Burden, University of Tennessee
Steve Cain, Purdue University
Scott Cotton, University of Nebraska-Lincoln
Billy Dictson, New Mexico State University
Bobby Dictson, New Mexico State University
Roberta Dwyer, University of Kentucky
Andrea Higdon, University of Kentucky
Deborah Hill, USDA
Melissa Newman, University of Kentucky
Chelsey Pickens, University of Kentucky
Mike Yoder, North Carolina State University

**SYMPOSIUM SUPPORT STAFF:**

Craig Askim, North Dakota State University
Rick Atterberry, EDEN Chair
Steve Cain, Purdue University
Kim Cassel, North Dakota State University
Scott Cotton, University of Nebraska-Lincoln
Tammy Cotton, University of Georgia
Billy Dictson, New Mexico State University
Roberta Dwyer, University of Kentucky
Curt Emanuel, Purdue University Extension
Andrea Higdon, University of Kentucky
Abby Hostetler, Purdue University
Sonja Koukel, New Mexico State University
Melissa Newman, University of Kentucky
Chelsey Pickens, University of Kentucky
Jeanne Rankin, Montana State University
Kerry Rood, Utah State University
Nathaniel Tablante, University of Maryland
Sarah Workman, University of Georgia
Mike Yoder, North Carolina State University
Rick Atterberry is a Communications Specialist in the College of Agricultural, Consumer and Environmental Sciences at the University of Illinois. He is currently Chair of the Extension Disaster Education Network. In addition Rick serves as the volunteer Public Information Officer for the Champaign County Emergency Management Agency and has been certified in FEMA’s National Incident Management System/Incident Command System courses 100, 200, 300, 400, 700, 702 and 800. He has completed a 48-hour General Command Staff Training. He is also a member of the Crisis Communications Team at the University of Illinois.

Steve Cain is the national, Extension Disaster Education Network Homeland (EDEN) Security Project Director, Past, President of the Indiana Voluntary Organizations Active in Disaster (VOAD), and member of the board of National VOAD. Since 1988, Cain has been a major player in four national, USDA team awards for disaster education. In 2005 he was selected as an agroterrorism consultant to the National Academies of Science. He is now involved in forming Community Organizations Active in Disaster around the state of Indiana.

Kim Cassel is a professor at South Dakota State University. She has 29 years of experience within Cooperative Extension. Ms. Cassel received her B.S. Degree from Delaware Valley College of Science and Agriculture, Dairy Science and went on to get her Master’s and Doctorate from Cornell University. She works closely with EDEN developing materials for Avian Influenza, Swine Influenza, West Nile Virus, and is the Chair of the Drought National EDEN Issues Leader (NEIL) Team.
Billy Dictson recently retired as Director, Office of Biosecurity for the College of Agricultural Consumer and Environmental Sciences at New Mexico State University. He also Co-Directed the Southwest Border Food Safety and Defense Center. He has served in these positions for over ten years after retiring as Associate Dean and Director of the New Mexico Cooperative Extension Service in 2002. He was named the first Chair of the Extension Disaster Education Network Agrosecurity Committee which has focused EDEN and the Extension System to the issues surrounding agriculture emergencies whether they are natural, accidental or criminal in nature. He co-chaired a coalition of ten universities who developed the Strengthen Communities Agriculture Preparedness (S-CAP) training which has been delivered in over 20 states.

Curt Emanuel is the Purdue University Cooperative Extension Service Extension Educator for Agriculture and Natural Resources in Clinton County, Indiana, a position he has held since 2002. A former professional horse trainer, he has a BS in Animal Science from Cornell University and a MS in Educational Administration from SUNY Albany and has worked for Purdue Extension since 1990. He has been heavily involved in emergency and disaster planning at the local and state level. He is an EDEN Delegate, a member of the EDEN Radiological Education team, a member of the Indiana Radiological Emergency Planning Program, serves on the Indiana Food Safety and Defense Task Force and is a member of the Indiana State Board of Animal Health Swine Health Advisory Committee. He helped form the Purdue Extension Agrosecurity Team (PEAT), Indiana’s state-level EDEN partner, and has developed educational programming in Clinton County on farm emergency planning and biosecurity planning for livestock operations.

Neal Fredrickson is the Assistant Curriculum Coordinator at the National Center for Food Protection and Defense. He studied food science at the University of Minnesota, and teaches for the Leadership Minor there. Neal’s expertise is in curriculum writing and instruction, especially on the topics of food and leadership.
Andrea Higdon is the Emergency Management System Director for the College of Agriculture at the University of Kentucky. She is the project leader for several National EDEN products, including the EDEN Animal Agrosecurity and Emergency Management Course, EDEN Strengthening Community Agrosecurity Preparedness Workshops, EDEN Regional Food Protection Conferences, and other related activities. Andrea’s education includes a BS in Animal Science and an MS in Safety, Security, and Emergency Management, with a concentration in Homeland Security.

Sandy Johnson is the Emergency Management Coordinator at the Kansas Department of Agriculture where she is responsible for coordinating food and agricultural (both plant and animal) emergencies. She meets with all responding agencies (state, local and federal) on a regular basis to ensure plans and procedures are developed, employees are trained, and notification lists and standard operating guides are current. Sandy is in her 19th year of state service, the past five with KDA, six with the State Department of Health’s Bioterrorism Program and eight years with the Kansas Division of Emergency Management. She holds a BA from the State University of New York and an MPA from the University of Kansas. She is also a Master Exercise Practitioner and is responsible for conducting exercises to test the Kansas plans for responding to food, plant and livestock emergencies.

Doug Meckes is the Branch Chief for the Food, Agriculture and Veterinary Defense Branch within the Office of Health Affairs in the Department of Homeland Security. Dr. Meckes practiced veterinary medicine for 30 years in North Carolina before transitioning to government in 1995. Dr. Meckes received his B.S. degree from Auburn University and his Doctorate of Veterinary Medicine from Auburn in 1975.
Jessica Pulz joined USDA in April 2010 as the Department’s Food and Agriculture Sector Critical Infrastructure Policy Analyst. Jessica currently serves as Chief of the Resilience and Preparedness Division within OHSEC. She has served as Chief since October 2011. In this role Ms. Pulz is responsible for leading and coordinating USDA homeland security and emergency preparedness policy and planning; training and exercises; and continuity of operations. She also serves as the co-chair of the Food and Agriculture Government Coordinating Council. Ms. Pulz has more than eleven years of experience in critical infrastructure policy and programs and establishing and maintaining public-private partnerships.

Jeanne Rankin, DVM, received her DVM at Colorado State University and practiced predominately equine and camelid veterinary care for 17 years before joining the Montana Department of Livestock in November of 2004. Dr. Rankin served as the Assistant State Veterinarian and as the Acting State Veterinarian for the Montana Department of Livestock where she developed the Montana Trichomoniasis program and oversaw Disease Reporting, Foreign Animal Disease Response and Emergency Preparedness. She is a Foreign Animal Disease Diagnostician and is currently working with Montana State University Extension as the Agro-Emergency Projects Coordinator.

Mark Robinson is the national program leader for Animal Agro-security; he works within the Animal Protection group as a coordinator for the National Animal Health Laboratory network, and provides leadership in the NIFA Food and Agriculture Defense Initiative.
W. Eric Runnels retired from the Coast Guard after a 21 year career and joined the Federal Emergency Management Agency in October of 2010. Eric accepted a position as the Branch Chief of the Policy and Doctrine Coordination Branch under the FEMA Protection and National Preparedness Directorate and is responsible for the maintenance and update of the National Incident Management System and the National Response Framework. Currently the Director of the Program Executive Office for Presidential Policy Directive 8, responsible for the National Preparedness System to include the five mission frameworks and five mission Federal Interagency Operational Plans.

Bethany Stave is a Program Specialist at the National Center for Food Protection and Defense (NCFPD) at the University of Minnesota. She is the project manager on the Food and Agriculture Readiness Measurement (FARM) Toolkit project, but also contributes to work in economically motivated adulteration of food. Bethany graduated from the University of Maryland, College Park for her undergraduate degrees and currently is attending graduate school at the University of Minnesota, Twin Cities.

Tom Tucker has more than 41 years of leadership experience, spanning areas from management and training to law enforcement and security positions. A retired U.S. Army colonel, Tucker arrived at LSU following a distinguished 26-year military career which encompassed numerous senior leadership positions in the police, security and corrections fields stateside, as well as overseas. Tucker assumed his leadership role as director of the National Center for Biomedical Research and Training (NCBRT) at Louisiana State University (LSU) in October of 2002. Under his direction, the NCBRT now has 56 instructor-led certified Department of Homeland Security (DHS) courses, which has resulted in the training of approximately 279,000 emergency responders throughout the United States and U.S. territories since inception. Tucker earned a BS degree in Physical Education from the University of Southern Mississippi and a MS degree in Criminal Justice from the University of Baltimore.

Ron Walton is the National Coordinator for Agriculture and Natural Resource/Emergency Support Function (ESF) 11. In his role as the National Coordinator, he has participated in more than 40 disasters of National significance. As the National Coordinator, he manages USDA’s role in developing a coordinated disaster response in support the National Response Framework. ESF-11 is focused on identifying assets (people, teams, information or other tools) used to support emergency response activities, during Presidential Disaster Declarations. He and his wife, Pamela, have three children; 11-year old Ronald, 8-year old Regina, and 6-year old Marcus.
The NCFPD Curriculum Guide for a Higher Education Course in Food Defense is a tool intended for educators to use to develop their own courses on food defense. The curriculum guide consists of seven units ranging from global food defense to threat agents and detection methods. This tool is invaluable for any food defense educator.

Presented by: Neal Fredrickson

The University of Minnesota’s National Center for Food Protection and Defense (NCFPD), in collaboration with the Department of Homeland Security (DHS) Food and Agriculture Veterinary Defense Division, developed the Food and Agriculture Readiness Measurement (FARM) Toolkit to assess the preparedness of the nation for a food emergency. The toolkit was designed to enable food-sector stakeholders to improve prevention, preparedness, response, and recovery actions by identifying areas of strength and opportunities for improvement within each state through a comprehensive, benchmarking assessment. Based on the results of each state’s assessment, FARM Toolkit generates targeted resources to close state preparedness gaps through funding opportunities, best practices, training information, and general references. States also receive a customized State Briefing report highlighting the specific strengths and opportunities within each state, as well as a side-by-side comparison to the national averages upon submission of the assessment. FARM Toolkit provides a common structure and approach for developing and evaluating food-related capabilities, so state and federal governments can measure progress over time.

Presented by: Bethany Stave
In March of 2010 Kansas piloted the SCAP program in several communities. We were fortunate to have several Kansas State Extension Agents attend the pilot course and become certified to facilitate the workshop throughout the state. We were able to train 11 county teams in the following year and we had excellent participation. Emergency Management officials really enjoyed the course because it not only gave them practical information regarding agricultural security, but also provided a framework for developing plans and standard operating guides based on capabilities. Workshop participants reported using the methodology taught in the workshop to develop standard operating guides for other capabilities that are in the realm of responsibility. Participants also were highly complementary of the value of the workshops. They left with a completed SOP that they could actually put in their plan. All of the participants are very busy people and getting an SOP developed as part of the workshop was very important to them.

We have had several challenges that have caused a reduction in the recent offerings of the workshops. Two of our facilitators left public service which left us with only one. We were able to compensate for this by having our Kansas Department of Agriculture’s Emergency Management Coordinator travel to Louisiana and become certified. Kansas was also heavily involved in a revision of the food and agriculture plans that had been previously developed. In 2012 those plans were completed and several exercises have been conducted. We are looking forward to revitalizing the SCAP program within the state in 2013 and 2014 and our goal is to eventually train teams in all 105 counties.

All Montana S-CAP events are organized and promoted by MT lead instructor Jeanne Rankin, DVM, and funded by Department of Homeland Security with grants administered by Montana Disaster and Emergency Services. Montana hosted 6 workshops between May 2011 and January of 2013. 27 Counties out of 56 in Montana have had contact in the program; 22 County teams of two or more completed the program. Two Tribal groups out of 7 attended the workshops with one team completing the program-CSK. A total number of 137 attendees participated in 6 workshops.

S-CAP events in Montana serve multiple purposes and must be adapted to address endemic issues such as low population, large geographic-area jurisdictions, and stakeholders with multiple roles. For some counties S-CAP may serve as an overall primer to ESF styled emergency planning processes, for other counties S-CAP serves its original purpose more closely and leads the jurisdiction into building local capacity to continue working on an ESF-11 or ag/food/natural resource annex to their existing EOP. Follow up to local teams indicate very few have actually written a plan although they had been very enthusiastic to do so upon completion of the workshop. We are developing a plan with templates for follow up to aid them in completing their plan in our next grant cycle.
EDEN Radiological Education Team and Purdue Extension Radiological Program

EDEN Rad Team:
- Formed in 2011
- Collaborative Project between the University of Tennessee, Auburn University and Purdue University
- Funded by NIFA through an EDEN sub-grant
- Among its objectives is: Outreach, Delivery and Training of Extension Educators and EDEN Delegates including to, Prepare materials for Extension Educators working within 50 mile ingestion zones to increase their understanding of and ability to work with state and federal agencies in responding to possible agricultural contamination.

Objective of Indiana Program: Increase preparedness in case of a radiological incident in Indiana.

Method: Using the educational resources developed by the EDEN Rad Team, conducted a half-day training program for Purdue Extension Educators and encouraged their participation in the Federally Graded Palisades Nuclear Power Plan Ingestion Pathway Exercise (Palisades IPX) held in October, 2012.
- Presenters included representatives of the Indiana Department of Homeland Security and Purdue University. A local Emergency Manager and Indiana Board of Animal Health Representative were on hand to help answer questions.
- Topics included the basics of radiological emergencies, emergency response, protective actions, available resources, and the Palisades IPX.
Outcomes:
1) Participation in the training and exercise of 10 Extension Educators representing 9 of Indiana’s 11 Ingestion Pathway Counties.
2) Based on the responses to a Qualtrics survey sent to Educators following the training program:
   a. Educators felt this was a valuable, worthwhile training which will help them respond to a radiological incident.
   b. Educators expressed a preference for face-to-face trainings rather than through a form of electronic media.
   c. Most educators would have preferred a full day program rather than half of a day.
3) Based on the Palisades IPX After Action Report:
   a. Purdue Extension’s participation in the exercise was valued.
   b. IDHS recognized Purdue Extension’s role as a member of local communities with established networks and relationships with local farmers.
   c. Due to Purdue Extension’s relationship with local agriculture, IDHS recommended further integration of Extension in all hazards which involve agriculture response and recovery efforts, not just radiological incidents.
EDEN Drought NEIL

The EDEN Drought NEIL (National EDEN Issues Leadership) is an interdisciplinary team of agriculture, community, family and 4-H state specialists and county Extension Educators representing their land grant universities from 14 states partnering with the National Voluntary Organizations Active in Disasters (NVOAD) and the National Drought Mitigation Canter (NDMC) working together to:

- Develop sustainable EDEN and EDEN eXtension drought preparedness, response, recovery and mitigation research based resources addressing issues such as:
  - Farmer’s Market sustainability
  - Produce/truck farmers
  - Food banks (this is related to farmers markets and growers and what is available for food banks from these resources)
  - Water quality and quantity
  - Crops (disease/feed)
  - Behavioral health/Abuse
  - Effect of drought on local economies
  - Lawns and landscapes
  - Migrant Labor
  - Forestry (wetlands, homeowners, private/commercial, urban)
  - Rebuilding herds

From this partnership and in cooperation with FEMA, USDA, US HHS, and NDMC the Community Capacity Building Program for Drought Response guide has been developed and may be found at [www.eden.lsu.edu](http://www.eden.lsu.edu)
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http://www.eden.lsu.edu