

I-CASH

Annual Report | 2016



DIRECTOR'S MESSAGE

It has been another busy year for I-CASH. We kicked off some initiatives, developed new partnerships, and continued the work defined in our 2014 strategic plan. We welcomed new members to the Advisory Board, including Nathan Katzer at the Iowa Department of Agriculture and Land Stewardship, Rawlin Kinney from Syngenta, Patrick Taggart from Proteus, Rachel Young from the University of Iowa, and Megan Hartwig from the State Office of Rural Health.

Our Advisory Board met four times this year, spending time in Grinnell, Decorah, Des Moines and Iowa City. The group learned the most recent statewide surveillance data courtesy of Dr. Corinne Peek-Asa; her work with the Great Plains Center for Agricultural Health (GPCAH) has shed light on the burden of agricultural injury in Iowa. In addition, the Advisory Board worked to evaluate our progress and impact, the results of which you will see on the following pages.

I am especially proud of a couple of activities described later in the report. One, we partnered with the Iowa FACE Program to host "Injuries in Agriculture: Telling the Story," a workshop with journalists. This two-day event was based on a model developed by the National Children's Center for Rural and Agricultural Health and Safety and brought together journalists, first responders, farmers, and agricultural health and safety specialists for a conversation about reporting on agricultural injuries and fatalities. Secondly, our seasonal campaigns have really gained steam, helping us develop new partners and avenues for outreach. This year we worked with ISU Extension and Outreach, the Farm Service Agency, FFA Chapters, and the Iowa Farmers Market Association to get our message across the state.

Finally, though not falling technically within our reporting year of July 1, 2015-June 30, 2016, I want to recognize the work of Farm Safety for Just Kids, which announced that it will disband at the end of 2016. Founded by Marilyn Adams following the death of her 11-year-old son in 1986, the non-profit has worked tirelessly to reduce injuries and deaths among farm youth. I cannot begin to quantify the impact Farm Safety for Just Kids has had during their 30 year history. Their educational materials will be passed along to the Progressive Agriculture Foundation and will continue to benefit the agricultural community for many years to come.

Brandi Janssen, PhD
I-CASH Director

Cover photo taken at Morning Glory CSA



I-CASH PARTNER SUMMARIES

I-CASH was formed by an act of the Iowa Legislature in 1990. From the beginning, I-CASH has been a collaborative effort between the University of Iowa, Iowa State University, the Iowa Department of Public Health, and the Iowa Department of Agriculture and Land Stewardship. The engagement of these four institutions leverages enormous expertise in agriculture, health, and occupational safety. The result is a synergistic center with programs that are much more than just the sum of their parts.

Iowa Department of Agriculture and Land Stewardship

The Iowa Department of Agriculture and Land Stewardship (IDALS) is responsible for a wide range of programs that affect the quality of life for all Iowans. In March, Secretary of Agriculture Bill Northey hosted several I-CASH board members as part of the annual Agricultural Leaders Dinner, bringing farm safety and health professionals together with agribusiness and producer group representatives, legislators, and farmers.

IDALS, in cooperation with Iowa State University Extension and Outreach (ISUEO) and the US Environmental Protection Agency (EPA), conduct the pesticide applicator certification program, which establishes applicator standards and provides training to a wide network of professionals working in Iowa agriculture.

The Worker Protection Standard (WPS) for agricultural pesticides is a regulation issued by the EPA. The WPS emphasizes educating agricultural employers on farms, forests, nurseries, and greenhouses of the need to train their workers and pesticide handlers regarding the safe use of pesticides. IDALS cooperates with the IDPH, Proteus, Inc., I-CASH, EPA, and ISUEO to promote WPS compliance.

Iowa Department of Public Health

The Iowa Department of Public Health Occupational Health and Safety Surveillance Program (OHSSP) and State Office of Rural Health (SORH) continue collaboration with I-CASH and its partners to promote healthy and safe homes and workplaces for all Iowans, including those living and working in agricultural settings.

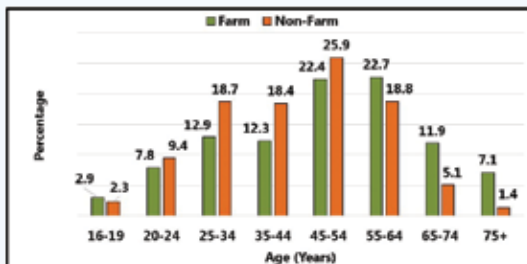
SORH, which welcomed new director Megan Hartwig in June 2016, focuses on medical provider education, health access, and quality care excellence in rural Iowa. Medical, preventive, and community care coordination services are pivotal for those involved in farming and agriculture industries.

OHSSP collects data regarding occupational injuries, fatalities, and exposures that impact farmers and other workers in Iowa. OHSSP advocates for workers by sharing findings with I-CASH and others for use in program planning to promote farm worker safety.

Recent data show that among younger and older workers, more injuries are related to farming than other occupations.

The work done by IDPH helps to inform programming for I-CASH and other statewide partners.

Work-related Injuries reported through the Iowa Trauma Registry:
Percent of All Farm and All Non-Farm Injuries by Age Range, 2009-2013



Iowa Burden of Injury 2009-2013 Occupational Sub-report. Pre-release data, October 2016. IDPH Occupational Health & Safety Surveillance Program.

Iowa State University

Iowa State University Extension and Outreach (ISUEO) continues to collaborate with other organizations involved in I-CASH helping to create new ideas for safety programming. The sharing of agricultural fatality and injury incident data by the Iowa Department of Public Health and University of Iowa FACE program helps to integrate

safety messages into ISU Extension agricultural programs. ATV safety information provided by Chuck Jennissen, Clinical Associate Professor at the University of Iowa Hospitals & Clinics and I-CASH Board member, was used to develop two questions on ATV use for chemical application in the ISU Extension private pesticide applicator evaluation. ISUEO plans to report an update to applicators this year and use part of the ATV spraying video footage from last year's Public Right-of-Way pesticide training with private applicators.

The Iowa Concern Hotline received over 7500 calls this year. Approximately 18% of the calls were related to agriculture, an increase of 4-5% from the previous year. Callers expressed concerns about the agricultural economy and commodity prices, as well as isolation within the farm community.

The University of Iowa

The University of Iowa (UI) Department of Occupational and Environmental Health is home to several centers and many activities that relate to agricultural safety and health. The Great Plains Center for Agricultural Health (GPCAH), funded by NIOSH, engages in research and outreach across a nine-state region. GPCAH and I-CASH collaborate to produce the monthly "Safety Watch" column in Iowa Farmer Today, and to produce the quarterly Alive and Well newsletter. In addition, the GPCAH Core Course in Agricultural Safety and Health, supported in part by I-CASH, involves participants from the Iowa Concern Hotline, Proteus, Iowa State University, the National Education Center for Agricultural Safety, the AgriSafe Network, and the State Office of Rural Health.

As home to the only graduate program in Agricultural Safety and Health, UI students work with I-CASH to gain experience in project management and intervention development. In 2015, I-CASH helped facilitate a student preceptorship at the Iowa Department of Public Health and Proteus. Students also have opportunities for leadership roles and networking at the annual Midwest Rural Agricultural Safety and Health conference.

I-CASH IN ACTION

I-CASH works to develop partnerships that will improve farm safety and health across the state. We bring together researchers and community members, collaborate with ISU Extension, Farm Service Agency, FFA Chapters, Farmers Markets, and others, and engage the media to promote and enhance safe and healthy agricultural practices.



Midwest Rural Agricultural Safety and Health Conference (MRASH)

The 14th annual MRASH conference, Working Together for a Safer Tomorrow, was held in Decorah, where many collaborators helped make it a success. Holding the conference in a rural community provided an opportunity to work with new partners to learn about local agricultural safety efforts and strengthen the agricultural safety and health network across the state. The involvement of local farmers, Luther College, Decorah Mayor and Chamber of Commerce, ISU Extension and local community businesses all contributed to an excellent meeting.

The first day of the conference explored the human health implications of the avian influenza outbreak. Keynote speaker and Minnesota State Public Health Veterinarian Dr. Joni Scheftel joined a panel facilitated by Carolyn Sheridan, AgriSafe Clinical Director, to discuss the best ways to collaborate effectively to address human health concerns. A wide variety of research and outreach projects were presented in afternoon breakout sessions and at the evening poster reception held at Luther College. Live music, local food, and several community exhibits from the Decorah area added to the event.

Paul Johnson, Decorah area farmer and former Chief of USDA's Soil Conservation Service kicked off the second day of the conference by relating the story of his own traumatic tractor related injuries. He received a standing ovation for his remarks. Later, conference participants learned about lifestyle, safety and health concerns from panels of beginning farmers and dairy farmers and small

group discussions developed follow-up steps to the conference. The conference ended with a 25th anniversary luncheon and presentation from the Lone Tree FFA Chapter, winners of the 2015 I-CASH Outstanding Youth Grant Award.



Small group discussions were held on a variety of topics.



The Lone Tree FFA Chapter received the 2015 I-CASH Outstanding Youth Grant Award.

Seasonal Campaigns: A Year of Safety Messaging

One of the goals from I-CASH's strategic planning process was to increase the visibility of I-CASH around the state. To address this goal, the I-CASH staff and advisory board developed seasonal campaigns to raise awareness about timely issues throughout the year. In operation for over a year now, these promotions regularly partner with ISU Extension and FSA offices to distribute materials. The campaigns include posters, giveaways, and radio public service announcements that air on over 60 radio stations across Iowa. This project provides excellent opportunities for collaboration with our statewide and local partners to increase the reach of our messages.



Lone Tree FFA members distributed SMV emblems in their community as part of the I-CASH Seasonal Campaign.



Fall 2015

Rural Roadway Safety

This campaign included *It's Preventable!* tip cards provided to Regional ISU Extension Offices, a fact sheet shared through the International Society for Agricultural Safety and Health social media reaching over 16,000 users, and involved 11 FFA chapters who distributed SMV emblems in their local communities. Since the campaign, I-CASH has received requests for additional tips cards from other ISU Extension offices as well as organizations in Illinois, North Carolina and Texas.

Winter 2015/2016

Farm Fire Prevention

This campaign provided Farm Fire Prevention Packets for distribution at the 20 Regional ISU Extension Offices. The packets contained a coupon for fire safety equipment, a fire safety tri-fold brochure, Farm Fire Preparedness Plan worksheet, a "Fire Extinguisher Here" decal, and an "In Case of Fire Call 911" sign. Additionally, an article in the *Iowa Farmer Today* was written to coincide with the campaign. The Gempler's coupon resulted

in 18 orders, adding over \$2,000 worth of fire safety equipment to Iowa farms. Two ISU County Extension Offices requested 70 additional Farm Fire Prevention Packets to distribute.

Spring 2016

Slips and Trips

This campaign distributed a slip prevention display box with packets of slip resistant treads, informational cards, and Gempler's coupons to the 20 Regional ISU Extension Offices.

Summer 2016

Employer and Employee Responsibilities

This campaign included Young Worker Information cards distributed to all ISU Extension offices and Iowa Farmer's Market Association members. I-CASH compiled resources on their website with links to training and resources for young farm employees and employers of young workers on the farm. The campaign highlighted training resources distributed by the AgriSafe Network, USDA, NIOSH, and the Oregon Healthy Workforce Center, among others.



Injuries and Agriculture: Telling the Story

Journalists who cover and promote farm safety were invited to participate in a workshop co-sponsored by I-CASH and the Iowa Fatality Assessment and Control Evaluation Program (Iowa FACE) at the University of Iowa. “Injuries and Agriculture: Telling the Story” was held in July 2015 and focused on the complex and controversial issues surrounding agricultural injuries and fatalities. Following discussions on the leading causes of fatal injuries on farms, farmworker safety and the role of the media in farm safety, participants visited local farms to speak directly with producers. The event resulted in several farm safety and health related stories written by attending journalists in the *Iowa City Press-Citizen*, the *Iowa Farm Bureau Spokesman*, and *Iowa Farmer Today*:

- August 10, 2015, “Staying Safe in Farming Should Not Happen by Accident,” Teresa Bjork, *Iowa Farm Bureau Spokesman*
- August 26, 2015, “Harvest Safety Tips for Farmers and City Folks Alike,” Teresa Bjork, *Farm Fresh*, Iowa Farm Bureau Blog
- September 4, 2015, “Pediatric ER Doc Patiently Pushes ATV Safety,” Dick Hakes, *Iowa City Press-Citizen*
- September 10, 2015, “Training Could Prove Crucial in Real-life Grain Bin Incidents,” Caitlin Ellingson, *Iowa Farmer Today*
- December 6, 2015, “Fatigue Can Affect Farmers’ Mental, Physical Health,” Caitlin Ellingson, *Iowa Farmer Today*
- January 17, 2016, “Hearing Loss More than an Inconvenience,” Caitlin Ellingson, *Iowa Farmer Today*



Fourth grade students enjoy presentations at the Cherokee County Farm Bureau's Ag Safety Day.

Agricultural Youth Injury Prevention Grants

Each year I-CASH designates funds for community grants that address farm related injuries in young people and their families. I-CASH awarded funds to nine farm safety projects in 2016:

Ag Safety Day – Cherokee County Farm Bureau

Fourth grade students in the Aurelia, Cherokee, Marcus, Meriden, Cleghorn, and River Valley schools attended the Ag Safety Day. Events included a keynote speaker and hands-on activities covering topics such as fire safety; chemical lookalikes; and animal, machinery, and bicycle safety.

Farm Safety Day –

ISU Extension & Outreach, Mitchell County

The Mitchell County 4-H County Council, in conjunction with the St. Ansgar and Osage FFA chapters, planned and presented information on hazards associated with farm machinery, animals, ATVs and lawn equipment to over 100 fourth grade students in the St. Ansgar and Osage school districts.

Farm Safety Day – Oskaloosa FFA

The Oskaloosa FFA held an Agricultural Safety Day for elementary students by providing stations on several different topics. Participants learned about safety with grain, ATVs, lawn mowers, livestock, PTOs, and pets.



Farm Safety Field Trip for 4th Graders – ISU Extension & Outreach, Clayton County

4-H members created displays, developed handouts and presented educational sessions on ATV safety and livestock safety during an all-day farm safety event.

First Aid and Animal Safety – Butler County 4-H Youth Council

4-H Youth Council members determined what was needed in first aid kits, purchased supplies, and assembled kits for use during the county fair. First aid kits were placed in the 4-H office, food stand, near the horse arena, and a kit was created that could travel to each livestock show. Laminated posters about animal safety and biosecurity were also created and placed in the livestock barns.

Hidden Hazards Display – ISU Extension & Outreach, Buchanan County

FFA students designed and built a Hidden Hazards display which was used during a Farm Safety Day event for elementary and middle school students. The display will be exhibited year-round at local agricultural education centers.

Livestock Safety Booklet – Delaware County Fair Society

The Maquoketa Valley FFA members wrote and continue to update a “Safety and Showing Guide” to use at county fairs. Youth exhibitors distributed copies to their peers and to the spectators during the dairy, beef, sheep, swine, goat, poultry, rabbit, dog and horse shows.

SMV and Roadway Safety Material Distribution – Marengo FFA

FFA members delivered roadway safety materials to area farmers and students and conducted seatbelt checks.

Stay Safe, Take a Break – Washington County 4-H & Extension

The *Stay Safe, Take a Break* project focuses on farmers and farm families during the busy harvest season. 4-H members select, purchase, assemble and deliver goody bags containing snacks, water, ear plugs, dust masks, and other PPE to area farmers. The visit provides an opportunity for farmers to take a break to stretch, have a snack, and talk to young people about farm safety.



Marengo FFA members with their *Buckle Up or Eat Glass* display.



Lyn Berg, USDA Clayton County FSA teaches youth about wagons, grain bins, and other farm hazards.



The 4-H County Council and FFA chapters in St. Ansgar and Osage presented farm safety information to over 100 youth.



Washington County 4-H members deliver Stay Safe, Take a Break goody bags to area farmers.



Grow: Johnson County

This summer I-CASH partnered with Grow: Johnson County (GJC), a collaborative hunger-relief and food gardening education project, to evaluate health and safety concerns surrounding GJC's predominantly volunteer labor force. Located in Iowa City, Iowa, GJC's goal is to combat food insecurity and promote health countywide by (1) growing food exclusively to be donated to local hunger-relief agencies and (2) by teaching practical gardening and food production skills to those with limited knowledge or resources. I-CASH's graduate student employees, Ashlee Johannes and DeAnn Scott-Harp, initiated the project by visiting the worksite and interviewing the farm director and project director to gain an understanding of their concerns. Site visits continued throughout the summer where planting, weeding, and other farm tasks were observed and recorded. Photos and notes taken will be instrumental in the development of several educational materials for this farm, which could also be adapted for use by other farms that use volunteer labor.



Expanding I-CASH Partnerships Beyond Iowa

Although I-CASH's mission is to focus on Iowa farming, our model of collaborative programming could be implemented anywhere. In May, I-CASH director Brandi Janssen, along with advisory board member Diane Rohlman and I-CASH affiliated faculty Matt Nonnenmann, were invited to spend a week in Rosario, Argentina talking with farmers, grain co-op members, and extension agents. One goal of the trip, which was funded by UI College of Public Health Global Health Grant, was for the researchers to better understand how the Affiliated Farmers of Argentina (AFA), a large farmer cooperative, could develop agricultural safety and health programming.



A gaucho moves beef cattle on a family farm, soybeans are harvested in the background.

Like many regions of the world, agricultural production in Argentina has consolidated; farms are becoming larger and production is more specialized. As in the US, Argentine farmers use very large equipment and house livestock in confinements. As a result, they see many of the same health and safety concerns as US farmers, including entanglements with equipment, grain bin incidents, and injuries to youth. Farms are family operations, with immediate and extended family members providing most of the labor. As in the US, farmers are proud of their agricultural production, but concerned about the long-term stability of their farms and rural communities. This introductory trip will hopefully set the stage for more meaningful collaborations that will lead to improved health and safety of Argentine farmers and new global partners for our Iowa based Center.

STATEWIDE ENGAGEMENT

Alive & Well Newsletter

I-CASH published its first newsletter in 1994, and in April 2003 content from the GPCAH was added. I-CASH and GPCAH alternate contributing the main content for each issue. The joint newsletter “Farm Families Alive & Well” is published four times per year and distributed to over 2,500 readers in both print and PDF format.

Corresponding Advisory Board

To enhance statewide engagement as part of our strategic plan, I-CASH developed a Corresponding Advisory Board. This group is made up of farmers, community and statewide leaders, and others involved in agriculture and rural advocacy. The Corresponding Advisory Board helps I-CASH identify emerging issues, create new partnerships, and provide relevant and timely programming across Iowa.

Equipment 101 Workshop: Bringing Hands On Learning to Iowa Beginning Farmers

I-CASH collaborated with the Iowa Valley Resource, Conservation & Development and Amana Farms on a workshop devoted to improving knowledge about equipment practices. The two-day event included sessions on general farm safety and health, a farm walk-through to identify hazards, and demonstrations on shop safety and equipment maintenance.

Iowa Farmer Today Articles


I-CASH, in partnership with the Iowa FACE Program and GPCAH contribute to the monthly Safety Watch column in Iowa Farmer Today. Topics over the past year included rural roadway safety, respirator selection, safety and profitability, and farm fire prevention.

Practical Farmers of Iowa

I-CASH sponsored the annual PFI conference held in January, which celebrated 30 years of farmers teaching farmers. The two-day conference featured forty sessions on topics ranging from production to marketing. In addition, I-CASH sponsors the annual Field Day schedule and was featured at the Field Day at Harvestville Farm in Donnellson, IA. The event included a safety walk-through and discussion about safety in agritourism with participants.



Agritourism safety at Harvestville Farm.
Photo courtesy of PFI.



Selected Events, Publications, and Presentations by I-CASH Staff and Advisory Board

JULY 2015

“Active Riding by Experienced All-Terrain Vehicle Operators in Response to Simulated Unexpected Terrain Changes.” Charles Jennissen, presentation at the Safety Research Using Simulation (SAFER-SIM) Lecture Series. Iowa City, IA.

“Agritourism Safety.” Brandi Janssen and Stephanie Leonard, presentation at Practical Farmers of Iowa Field Day. Donnellson, IA.

“Sun Safety.” I-CASH exhibit at the Benton County Kids’ Health and Safety Fair. Vinton, IA.

“Take Precautions to Avoid Heat-Related Illness.” Brandi Janssen, Safety Watch column for *Iowa Farmer Today*.

AUGUST 2015

“Promoting Farm Safety by Investing in Youth.” I-CASH display in the UI Mobile Museum at the Iowa State Fair. Des Moines, IA.

SEPTEMBER 2015

Occupational Side-by-Side Vehicle Exposure, Safety Behaviors, and Crash Experiences of Farm Progress Show Attendees. Charles Jennissen, et al., poster presentation at the Sixth Annual Great Plains SAEM Research Meeting. Minneapolis, MN.

“Progress or Poison? The Science and Controversy behind Genetically Modified Organisms.” Brandi Janssen, presentation at the Science Café. Fairfield, IA.

OCTOBER 2015

“I-CASH Grants help Spread Safety to Future Farmers.” Brandi Janssen, Safety Watch column for *Iowa Farmer Today*.

“The Characteristics of Side-By-Side Vehicle-Related Injuries and Deaths as Determined from Newspaper Reports in Nine States.” Charles Jennissen et al., poster presentation at the Council on Injury, Violence and Poison Prevention, American Academy of Pediatrics National Conference & Exhibition. Washington, DC.

NOVEMBER 2015

“A Vision for a National Sustainable Certified Safe Farm Intervention Program• R2P.” Kelley Donham, presentation at the Midwest Rural Agricultural Safety & Health Conference. Decorah, IA.

“Building Capacity in Agricultural Safety and Health Professionals.” Diane Rohlman, poster at the Midwest Rural Agricultural Safety & Health Conference. Decorah, IA.

“Enhancing Supervisors’ Skills and Employer Policies to Promote and Protect the Health of Young Agricultural Workers.” Diane Rohlman, poster at the Midwest Rural Agricultural Safety & Health Conference. Decorah, IA.

“I-CASH Youth Grant Recipients 1998-2015.” Ralph Altmaier, poster at the Midwest Rural Agricultural Safety & Health Conference. Decorah, IA.

“New Routes to Agricultural Safety and Health Awareness.” Ashlee Johannes, poster at the Midwest Rural Agricultural Safety & Health Conference. Decorah, IA.

“Occupational Pesticide Exposure Surveillance in Iowa.” Ashlee Johannes and Kathy Leinenkugel, presentation at the Midwest Rural Agricultural Safety & Health Conference. Decorah, IA.

“Pilot Study of an ATV and Side-by-Side Safety Workshop for Iowa Farmers: Final Results.” Charles Jennissen, presentation at the Midwest Rural Agricultural Safety & Health Conference. Decorah, IA.

“Safety and Health in Agriculture.” Brandi Janssen, guest lecture for Heartbeat of the Farm, a four-part course sponsored by ISU Extension and Outreach’s Annie’s Project. Grinnell, IA.

“Safety and Health in the Safer and Healthier Agriculture.” Brandi Janssen, presentation at the Iowa Organic Conference. Iowa City, IA.

“Training for Agricultural Safety and Health Professionals: Developing a Sustainable Program.” Diane Rohlman, poster at the Midwest

Rural Agricultural Safety & Health Conference. Decorah, IA.

DECEMBER 2015

“An Introduction to Farm Safety.” Brandi Janssen, presentation at the Equipment 101 Workshop: Bringing Hands On Learning to Iowa Beginning Farmers. Amana, IA.

“Take Precautions to Avoid Farm Fires this Winter.” Brandi Janssen, Safety Watch column for *Iowa Farmer Today*.

JANUARY 2016

“A 10-month Prospective Study of Organophosphorus Pesticide Exposure and Neurobehavioral Performance among Adolescents in Egypt.” Diane S. Rohlman, et al. *Cortex*.

“Agricultural Safety and Health in Iowa.” Brandi Janssen, presentation at the Ag Co-op Safety Directors of Iowa Meeting. Story City, IA.

“Protect your Assets, Protect Yourself.” Brandi Janssen, presentation at the Iowa Farm Bureau Young Farmer Conference. Des Moines, IA.

“Protecting our Resources: Agricultural Safety and Health.” Brandi Janssen, keynote presentation at the Syngenta Contract Growers Meeting. Slater, IA.

FEBRUARY 2016

“Down on the Farm: Safety and Children.” Charles Jennissen, presentation at the Mercy Hospital Visiting Professor Program. Mason City, IA.

“Farming Safely, Profitably — Are you a Good Risk?” Brandi Janssen, Safety Watch column for *Iowa Farmer Today*.

MARCH 2016

“A Culture of Safety: A Holistic Approach to Agricultural Safety and Health.” Brandi Janssen, presentation at the Annual Meeting of the Society for Applied Anthropology. Vancouver, BC, Canada.

“Organophosphorus Pesticide Exposure and Neurobehavioral Performance in Latino Children Living in an Orchard Community.” Diane S. Rohlman, et al. *NeuroToxicology*.

APRIL 2016

“Collaboration Protects Farmers in Argentina.”

Brandi Janssen and Marcos Grigioni, Safety Watch column for *Iowa Farmer Today*.

“Risk Management: Agricultural Safety and Health.”

Brandi Janssen, presentation for the Iowa Agricultural Development Division Beginning Farmer and Military Veteran Workshop. Cedar Rapids, IA.

“Writing Op-Ed Pieces.” Frank Durham and Rachel Young, workshop for UI College of Public Health Research Week. Iowa City. IA.

MAY 2016

“All-Terrain Vehicle Fatalities on Paved Roads, Unpaved Roads, and Off-Road: Evidence for Informed Roadway Safety Warnings and Legislation.” Charles Jennissen, et al. *Traffic Injury Prevention*.

JUNE 2016

“Agricultural Health and Medicine: Across the Pacific.” Susan A. Brumby, Josie Rudolphi, Diane Rohlman and Kelley Donham, presentation at the International Society for Agricultural Safety and Health Annual Meeting. Lexington, KY.

“Collaborations for Seasonal Health and Safety Awareness.” Ashlee S. Johannes, Kay Mohling, Ralph Altmaier, Julia Venzke, Gayle Olson and Brandi Janssen, poster at the International Society for Agricultural Safety and Health Annual Meeting. Lexington, KY.

“Development of Rapid Response Guidelines-Using ISASH Conference Participants as Real-Time Developers.” Ellen Duysen, Carolyn Sheridan and Stephanie Leonard, presentation at the International Society for Agricultural Safety and Health Annual Meeting. Lexington, KY.

“Evaluation of Heater Type on Air Quality in Swine Buildings.” Emily Trenkamp, Ralph Altmaier and T. Renee Anthony, poster at the International Society for Agricultural Safety and Health Annual Meeting. Lexington, KY.

“I-CASH Youth Grant Recipients 1998-2016.”

Ralph Altmaier, Charles Jennissen, Diane Rohlman,

Brandi Janssen and Shari Burgus, poster at the International Society for Agricultural Safety and Health Annual Meeting. Lexington, KY.

“Keep New, Young Employees Safe on the Farm This Season.” Brandi Janssen, Safety Watch column for *Iowa Farmer Today*.

“R2P – Creating and Disseminating Effective Safety and Health Information: Lessons Learned During a 5-Year Research Project.” Shari Burgus,

Ellen Duysen, Risto Rautiainen and Tracy Schlater, presentation at the International Society for Agricultural Safety and Health Annual Meeting. Lexington, KY.

“Risk Assessment of Personal Exposure to Hazardous Gases in an Iowan Turkey Farm infected with the Highly Pathogenic Avian Influenza A virus (H5N2).” Kate M. O’Brien and Matthew Nonnenmann, poster at the International Society for Agricultural Safety and Health Annual Meeting. Lexington, KY.

“Safety and Health Education in Agriculture.”

Diane Rohlman, Fred Gerr, Matthew Nonnenmann, Josie Rudolphi, Kay Mohling, Ellen Duysen, LaMar Grafft, Susan Guinn, Jean McCandless and Amanda Wickman, poster at the International Society for Agricultural Safety and Health Annual Meeting. Lexington, KY.

“Self-care of Migrant and Seasonal Farmworkers.”

Ashlee S. Johannes, presentation at the International Society for Agricultural Safety and Health Annual Meeting. Lexington, KY.

“Strategic Alliances Impact Rapid Response to Emerging Agricultural Health Threats.” Natalie Roy, Ellen Duysen, Carolyn Sheridan, Stephanie Leonard and Thomas Tobin, presentation at the International Society for Agricultural Safety and Health Annual Meeting. Lexington, KY.

“Visioning a National Sustainable Total Worker Health Program: A Report from the National Consensus Consortium.” Kelley Donham, Julia Storm, James Carrabba, Marsha Salzwedel and Lee Hipp, panel session at the International Society for Agricultural Safety and Health Annual Meeting. Lexington, KY.

WHO WE ARE

| | |
|-----------------------|---|
| Brandi Janssen, PhD | <i>I-CASH Director</i> |
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ADVISORY BOARD

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Kathy Leinenkugel – Iowa Department of Public Health
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Dustin Vande Hoef – Iowa Department of Agriculture and Land Stewardship
Rachel Young – University of Iowa

The Mission of I-CASH is to enhance the health and safety of Iowa's agricultural community by establishing and coordinating prevention and education programs.

Design: Leigh Bradford

Editor: Kay Mohling

Photos: Patti Zwick, Brandi Janssen, DeAnn Scott-Harp, and Morning Glory CSA.

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I-CASH | Iowa's Center for
Agricultural Safety and Health

The University of Iowa ■ Iowa State University
Iowa Department of Agriculture and Land Stewardship
Iowa Department of Public Health ■ Non-profits for Farm Health



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