

Wednesday, April 25th

3:00 – 5:00 PM **Registration Opens**

5:30-7:00 PM **Welcome Reception - Salon 4 Foyer**
Sponsored by Valent U.S.A.

Thursday, April 26th

6:30 AM **Registration Opens**

7:00-8:00 AM **Networking Breakfast - Salon 4 & Foyer**
Sponsored by Syngenta Crop Protection

8:00-10:00 AM **General Session – Salon 4**

- Welcome: Jay Vroom (CLA); Aaron Hobbs (RISE); Janet Collins (CLA)
- Keynote: Henry Darwin, Chief of Operations, EPA
- Precision Ag Equipment Panel:
 - Mark Anderson, GVM, Inc.
 - Ben Chostner, Blue River Technology
 - Jeff Grimm, CapstanAg
 - Jeff Smigiel, Micro-Matic
 - Rick Rice, AMVAC
 - Nancy Westcott, GoatThroat Pumps
 - Bruce Woodcock, Aventech
- Introduction of 2018 CLASS - *Sponsored by FMC Corporation*

10:00-10:30 AM **Coffee Break - Salon 1 – 3 Foyer**
Sponsored by TKI NovaSource

10:30 AM-12:00 PM **Series I, Studio D - Pesticide Imports and Exports: Facilitating Global Commerce**

Administrative procedures for importing pesticides into the U.S. and exporting them to other countries require adjustment from time to time. Speakers will discuss the challenges of export certification for pesticide products and the import of active ingredients for formulation of products into the U.S.

- *Moderator:* Doreen Manchester, CropLife America
- Jim Barron, Arysta LifeScience
- John Conner, Crowell & Moring LLP
- Annette Kirk, Monsanto
- Ray McAllister, CropLife America



- 10:30 AM-12:00 PM** **Series I, Studio E - Application of Environmental Epidemiology in Risk Assessment and Decision-Making**
Regulatory Authorities are increasingly discussing the use of environmental epidemiology in risk assessment. The utility of these data for regulatory purposes can be limited due to data quality and transparency, insufficient exposure measurements and general deficiencies in study design. In this session, perspectives on concerns and efforts to advance the use of and define the suitability of environmental epidemiology studies for regulatory decision making will be discussed as well as a specific project from the Health and Environmental Sciences Institute (HESI).
- *Moderator:* Cindy Smith, Gowan Company
 - Carol Burns, Burns Epidemiology Consulting, LLC
 - David Miller, U.S. EPA OPP, Health Effects Division
 - Christian Strupp, Gowan Company
- 10:30 AM-12:00 PM** **Series I, Salon 4 - What We've Learned, What We Need: The FIFRA/ESA Consultation Process**
Recently, USDA Secretary of Agriculture Sonny Purdue announced the establishment of an Interagency Working Group to coordinate Endangered Species Act (ESA) consultations for pesticide registrations and registration review under FIFRA. Additionally, at the end of the year, the NMFS released a final Biological Opinion on the first three Registration Review consultations (EPA Biological Evaluations) on organophosphates conducted under the Interim Process proposed by the Agencies under the NAS Expert Panel Report (Nov 2013). In this session, speakers from the federal agencies will address what they've learned about the consultation process to date and what they still need to develop going forward.
- 12:00-1:15 PM** **Lunch - Salon 4 & Foyer**
Sponsored by Crowell & Moring LLP
Grower Panel
- Vince Restucci (R.D. Offutt)
 - Kip Tom (Tom Farms)
 - Tyler Wegmeyer (Wegmeyer Farms)



1:15-2:45 PM

Series II, Salon 1-3 - EPA Labels Live!: Pesticide Labels from the Lab to Your Neighborhood

How does a pesticide product get from the lab to your yard and community? Via the EPA stamped label! Join us for our third annual interactive session specifically designed for EPA and government agency staff (though participation is open to all conference attendees). Attendees are invited to visit with pesticide registrants who work with pesticides at all stages of the pesticide product life cycle. This year features new content on specialty use sites, consumer product packaging, supplemental distribution and more! Participants will leave with a new understanding of how registrants design products and labeling with end users in mind and will learn what it takes to get products from development to safe and effective application.

1:15 PM-2:45 PM

Series II, Studio E - Trading Up: How Crop Protection Influences Agricultural Exports (and Vice Versa)

Smooth global trade in agricultural products requires cooperation of governments worldwide to establish, implement and enforce international standards for pesticide residues in food. Speakers will address the challenges of establishing Codex Maximum Residue Limits (MRL), national MRL systems and MRLs for imported produce.

- *Moderator:* Christoph Neumann, CropLife International
- Julie Chao, USDA Foreign Agricultural Service
- David Miller, U.S. EPA OPP, Health Effects Division
- Daniella Taveau, King & Spalding
- Carmen Tiu, Corteva Agrisciences

1:15-2:45 PM

Series II, Studio D - Charting a Path Forward for the Use of Population Modeling in Ecological Risk Assessment (ERA) of Pesticides

Implementation and use of population models for ERA and management has not fully reflected advances in the area. Possible reasons for this include the broad diversity of models and approaches; lack of specific guidance on when to use models and the corresponding degree of complexity; how to deal with uncertainty in data and model output; and how to translate model output into risk analysis decisions. We propose to use this session to 1.) clearly identify reasons for underutilization of population models in ERA decision-making; 2.) identify regulatory needs concerning population modeling (e.g. data, code, guidance); and 3.) address these through multi-stakeholder discussions.

- *Moderator:* Valery Forbes, University of Minnesota
- *Moderator:* Nika Galic, Syngenta Crop Protection
- Kris Garber, U.S. EPA OPP, Environmental Fate and Effects Division
- Amelie Schmolke, Waterborne Environmental, Inc.



1:15-2:45 PM

Series II, Salon 4 - Emerging Unmanned Aerial Systems Technology for Precision Ag

Precision agriculture is increasingly important to the application of crop protection products. Risk mitigation requirements based on potential spray drift and surface water exposure negatively impact our registrations, registration reviews and endangered species assessments. Significant progress in the precise application of pesticides will dramatically affect ecological risk assessment conclusions. Come learn the latest regulations, the differences between public and commercial use, examples of applications using UAS for precision agriculture and an outlook for technology developments.

- *Moderator:* Tulinda Larsen, Agricultural Aerial Remote Sensing Standards Council
- Robert Blair, Three Canyon Farms
- Diana Marina Cooper, PrecisionHawk
- Jim Williams, JHW Unmanned Solutions LLC

2:45-3:00 PM

Coffee Break - Salon 1 – 3 Foyer

Sponsored by PBI-Gordon

3:00 PM-4:30 PM

Series III, Salon 5-6 - Label Workshop: Industry and Agency Perspectives on Registration Workflows

(This is an invitation-only, space-limited session for EPA staff and invited RISE and CropLife America members. Please contact Stephanie Binns if you are interested in this session or would like more information.)

Both product registrants and EPA staff contribute to the product registration process, but we often lack clarity about what happens on either side of a regulatory submission. This workshop will focus on the complexities of registrant and EPA workflows, and will include a facilitated discussion of common registration challenges from both industry and Agency perspectives. This is a working session and attendees will be expected to participate in the dialogue and come ready to seek mutual understanding and solutions.

3:00-4:30 PM

Series III, Studio E - Establishing Tolerances and MRLs: Down in the Weeds

Technical and policy challenges keep the process of establishing tolerances and maximum residue limits (MRL) interesting. Speakers will address the impact of food concentration factors, European hazard cut-off criteria and the FAO-WHO Joint Meeting on Pesticide Residues (JMPR) on MRLs.

- *Moderator:* Amelia Jackson-Gheissari, Monsanto
- Peter Day, European Crop Protection Association
- Michael Doherty, U.S. EPA
- Miguel García-Winder, Inter-American Institute for Cooperation on Agriculture
- Lois Rossi, Rossi Consulting
- Yen-Ching Wu, McCormick



3:00-4:30 PM

Series III, Salon 4 - When Endangered Species Mitigation and Risk Management Meet: Perspectives on Outcome

Ecological risk assessment (ERA) drives the end products of the FIFRA/ESA consultation process, as well as the establishment of protection goals. Much focus has been given to establishing guidance for assessment methods and model development and evaluation. But what does a protection goal look like when it is applied to a given site or practice and what might be the consequences, intended or unintended? What is the on-the-ground likelihood of jeopardy to a species occurring as envisioned from the national level, and how does the possibility for adverse effects on critical habitat play out? Speakers in this session will address agricultural best management practices, economic perspectives, and state and local management of listed species and pesticide use, and how those factors in turn reflect on a national consultation that may conclude in the presumption of jeopardy to a given species.

- *Moderator:* Bernalyn McGaughey, Compliance Services International
- Jeb Barzen, Private Lands Conservation LLC
- Leah Duzy, Compliance Services International
- Jennifer Muladore, Huron Pines
- Ashlea Rives Frank, FIFRA Endangered Species Task Force

3:00-4:30 PM

Series III, Studio D - Novel Approaches for Assessing Inhalation Risk in Human Health Risk Assessments

One of the strategic focal areas of adopting risk and science-based methodologies and integrated approaches to testing and assessment (IATA) is optimization and acceptance of *in-vitro* methods for oral and acute inhalation toxicity testing. This session will discuss application of *in-vitro* assays of merit, considerations of assay development and approaches to help bolster a new paradigm for inhalation risk assessment in the U.S.

- *Moderator:* Tessa Serex, Corteva Agriscience
- Holger Behrsing, Institute for In Vitro Sciences
- Sheila Flack, Syngenta Crop Protection
- Annie Jarabek, U.S. EPA ORD, Human Health Risk Assessment

4:45 PM – 6:00 PM

Reception - Salon 1-3 Foyer
Sponsored by Latham & Watkins LLP and Nufarm

Friday, April 27th

7:00-8:00 AM

Networking Breakfast - Salon 4 & Foyer
Sponsored by Corteva Agriscience



8:00-9:30 AM

General Session – Salon 4

U.S. Environmental Protection Agency Panel

- *Moderator:* Ray McAllister, CropLife America
- Michael Goodis, EPA OPP, Registration Division
- Yu-Ting Guilaran, EPA OPP, Pesticide Re-evaluation Division
- Kimberly Nesci, EPA OPP, Environmental Fate and Effects Division

9:30-9:45 AM

Coffee Break - Salon 1 – 3 Foyer

Sponsored by Bergeson & Campbell, P.C.

9:45-11:00 AM

Series IV, Studio D - Toxicity Testing and Risk Assessment for Human Health Protection: How Should We Approach Globalization of the Agrochemical Market?

The U.S. is usually an important market for agrochemicals although these chemicals are often developed for a global market. There are, however, many aspects of toxicity testing and risk assessment that are region-specific, yet scientific approaches continue to advance more rapidly than global regulations. In this session, these concepts will be explored with a focus upon approaches used by the Environmental Protection Agency.

- *Moderator:* Claire Terry, Corteva Agriscience
- Pat Bishop, Humane Society International/The Humane Society of the United States
- Kevin Leiner, Syngenta Crop Protection
- Anna Lowit, U.S. EPA OPP, Office of the Director
- Dana Vogel, U.S. EPA OPP, Health Effects Division

9:45-11:00 AM

Series IV, Salon 1-3 - Pollinator Protection Priorities

Protection of pollinators in agricultural production requires a partnership of farmers, beekeepers, regulators and crop protection providers. EPA, state and industry speakers will focus on state Managed Pollinator Protection Plans (MP3) and the implementation of EPA's acute risk mitigation plan for pollinators.

- *Moderator:* Tim Joseph, Landis International
- David Fischer, Bayer
- Meredith Laws, U.S. EPA OPP, Registration Division
- Laura Mensch, Delaware Department of Agriculture
- Tom Steeger, U.S. EPA OPP, Environmental Fate and Effects Division



9:45-11:00 AM

Series IV, Studio E - Challenges and Recommendations for Generating and Utilizing Higher-Tier Data in Ecological Risk Assessment and Risk Management of Pesticides

Registration of pesticides requires evaluation of the potential ecological risk using a tiered testing and assessment approach. Standardized eco-toxicity tests and conservative exposure estimates are used at lower tiers to assess potential risks. However, if lower-tier assessments indicate that a substance may pose a risk to the environment, those risks can then be re-evaluated with less conservative assumptions, and by using refined exposure and/or effects assessments. This session will present a summary of a recent tripartite workshop that focused on overcoming challenges and providing recommendations for generating and utilizing higher-tier data to inform ecological risk assessments and the risk management applied to assessment of pesticides. These recommendations are intended to help the regulated community and EPA improve the design, conduct, evaluation and application of higher tier data to inform regulatory decision making.

- *Moderator:* Steven Levine, Monsanto
- Kevin Costello, U.S. EPA OPP, Pesticide Re-Evaluation Division
- Laura McConnell, Bayer
- Ed Odenkirchen, U.S. EPA OPP, Environmental Fate and Effects Division

11:00-11:15 AM

Coffee Break - Salon 1 – 3 Foyer
Sponsored by Intrinsik

11:15 AM-12:30 PM

Series V, Salon 4 - State of Toxicology Assessment in Human Health Risk Assessments

Within the 21st century, the U.S. is poised to advance practices of toxicity testing and human health assessment of environmental agents, chemicals and pesticides. Several focal areas, to be examined and discussed by EPA staff, include movement to use of *in-vitro* models from existing *in-vivo* models, programs currently used for assessment of specific topics such as the Endocrine Disruptor Screening Program, the Comparative Thyroid Assay and the Hazard and Science Policy Committee.

- *Moderator:* Rick Reiss, Exponent
- Stan Barone, U.S. EPA Office of Science Coordination and Policy
- Warren Casey, National Institutes of Health
- Anna Lowit, U.S. EPA OPP, Office of the Director



11:15 AM-12:30 PM

Series V, Salon 1-3 - Other Ingredients and Their Roles in Crop Protection

Active ingredients need the help of other ingredients to accomplish the job of crop protection, and these can have their own regulatory challenges. This session will discuss EPA's substantial similarity clinic that compares product formulations and issues surrounding disclosure of inert ingredients.

- Moderator: Paul Kierkus, BASF
- Richard Engler, Bergeson & Campbell
- Pasquale Falcigno, BASF
- Elissa Reaves, U.S. EPA OPP, Health Effects Division
- Kerry Leifer, U.S. EPA OPP, Registration Division

12:30 PM

Adjourn

