

New and Emerging Technology Course Agenda

October 16-19, 2023

Davis, California

Please note: All times listed on the agenda are in Pacific Time

Monday, October 16th: A Look at the New and Emerging Pest Control Technologies Landscape

Dress Code: "Movies and Music Monday"

- 7:30 am Refreshments and Check In.
- 8:00 am Welcoming Remarks.
Liza Fleeson Trossbach, Pesticide Services Program Manager, Virginia Department of Agriculture and Consumer Services;
Tony Cofer, Division Director, Alabama Department of Agriculture and Industries.
- 8:10 am Course Overview and Logistics.
Cindy Wire, PREP Coordinator, US EPA OCSPP;
Lisa Blecker, PREP Administrator, Colorado State University (CSU).
- 8:20 am Icebreaker and Introductory Exercise.
Facilitator: Lisa Blecker, CSU.
- 9:30 am The Scope of New and Emerging Application Technology.
Amy Blankinship, Deputy Division Director, Environmental Fates and Effects Division (EFED), OPP, US EPA OCSPP.
- 10:15 am Break.**
- 10:30 am Introduction of National Technology-Related Workgroups.
Dwight Seal, AAPCO Technology Workgroup Chair, North Carolina Department of Agriculture and Consumer Services;
Liza Fleeson Trossbach, AAPCO Label Improvement Workgroup, Virginia Department of Agriculture and Consumer Services;
Amy Blankinship, Deputy Division Director, Environmental Fates and Effects Division (EFED), OPP, US EPA OCSPP.
- 11:30 am Group Photo.**
- 11:45 am Lunch.**
- 11:45 am Headshots.**
- 12:45 pm Pesticide Registrants' Roles and Progress in Updating Label Language to Accommodate New Technology.
Sarah Hovinga, Co-Chair, CroLife America Drones Working Group, Bayer Crop Science.

- 1:45 pm Overview of UAS/UAV for Pesticide Applications and Monitoring.
Dan Seaman, Western States Regional Coordinator, Leading Edge Aerial Technologies Incorporated.
- 3:00 pm Break.**
- 3:15 pm Non-Aerial Autonomous Application Equipment.
Adrian Card, Statewide Specialty Crops Extension Specialist, CSU.
- 4:15 pm Group Discussion: What are the Biggest Challenges in Implementing New Application Technology Amidst Old Regulations?
Facilitator: Lisa Blecker, CSU.
- 5:00 pm Adjourn.

Tuesday, October 17th: Non-Traditional Pesticides and Regulatory Challenges

Dress Code: "Tattoo Tuesday"

- 7:30 am Refreshments and Check In.
- 8:00 am The Growing Business of Emerging Technology Pesticides.
Mike Mendelsohn, Branch Chief, Emerging Technologies Branch, Biopesticides and Pollution Prevention Division (BPPD), OPP, US EPA OCSPP.
- 9:00 am The Emerging Technology of Mosquitoes as Pest Control.
Kara Welch, Biologist, Emerging Technologies Branch, BPPD, OPP, US EPA OCSPP.
- 10:00 am Break.**
- 10:15 am A Closer Look at Emerging Technology Pesticides and Their Uses.
Mike Mendelsohn, Branch Chief, Emerging Technologies Branch, BPPD, OPP, US EPA OCSPP.
- 11:00 am Group Discussion: What are the Regulatory Challenges and Opportunities Related to Non-Traditional Pesticides?
Facilitator: Lisa Blecker, CSU.
- 12:00 pm Lunch.**
- 1:00 pm Labeling Challenges Associated with New Technology.
Facilitator: Amy Blankinship, Deputy Division Director, EFED, OPP, US EPA OCSPP.
- 2:15 pm Break.**
- 2:30 pm Enforcement Challenges Associated with New Technology.
Facilitator: Liz Vizard, Division Director, Office of Compliance (OC), US EPA OECA.
- 3:45 pm Successful Enforcement Examples.
Emily Bryson, Senior Environmental Scientist, California Department of Pesticide Regulation;
Pamela Bryer, Pesticides Toxicologist, Maine Board of Pesticides Control;
Matthew Zoschke, Environmental Enforcement Specialist, Wisconsin Department of Agriculture, Trade and Consumer Protection.
- 5:00 pm Adjourn.

Wednesday, October 18th: The Impacts of Climate Change

Dress Code: "Wacky Wednesday"

- 7:30 am Refreshments and Check In.
- 8:00 am Climate Change Impacts on Agriculture and Pesticide Applications.
Dr. Rachel Melnick, Division Director for Global Climate Change, USDA Institute of Bioenergy, Climate, and Environment.
- 9:00 am The Role of Pesticide Regulation in Climate Change Adaption.
Rebecca Larson, Lead Research Agronomist, Western Sugar Cooperative.
- 10:00 am Break.**
- 10:15 am Breakout Discussion: How do We Plan and Work Together for the Coming Changes?
Facilitator: Lisa Blecker, CSU.
- 11:15 am EPA Perspective on Climate Change as an Agency Priority.
Mike Goodis, Deputy Director, OPP, US EPA OCSPP.
- 11:45 am Field Trip Discussion and Directions.
Facilitators: Lisa Blecker, CSU.
- 12:00 pm Boxed Lunch and Load Bus.**
- 12:30 pm Field Trip to UC Davis Russel Ranch Sustainable Agriculture Facility.
Dan Seaman, Western States Regional Coordinator, Leading Edge Aerial Technologies Incorporated;
Joseph Davis, Senior Pilot, Leading Edge Aerial Technologies Incorporated;
Jean-Phillippe Marie, UC Davis Putah Creek Riparian Reserve.
- 5:00 pm Adjourn.

Thursday, October 19th: The Challenges Ahead

Dress Code: “Thirsty Thursday”

- 7:30 am Refreshments and Check In.
- 8:00 am Discussion: C&T Issues Associated with New Application Technology.
Facilitators: Suzanne Forsyth, Pesticide Educational Resources Collaborative (PERC) Director, UC Davis Continuing and Professional Education; Neal Kittelson, Certification and Training Assessment Group (CTAG), Colorado Department of Agriculture (CDA).
- 9:00 am Challenges and Approaches to Licensing Issues.
Alicia Scott, Environmental Program Manager, California Department of Pesticide Regulation; Kelly Navinsky-Wenzl, Program Manager, Kansas Department of Agriculture; Andrea Sonnen, Lead Pesticide Investigator, Oregon Department of Agriculture.
- 10:00 am Break.**
- 10:15 am Discussion: What are Your Agency’s Biggest Licensing Issues?
Facilitator: Lisa Blecker, CSU.
- 11:00 am Breakout Discussion: What are Potential Impacts Regarding New Technology and Worker Protection?
Facilitator: Lisa Blecker, CSU.
- 12:15 pm Lunch.**
- 1:15 pm What are the FAA Requirements for UAS/UAV Pilots?
Dwight Seal, AAPCO Technology Workgroup Chair, North Carolina Department of Agriculture and Consumer Services; Dan Seaman, Western States Regional Coordinator, Leading Edge Aerial Technologies Incorporated; Joseph Davis, Senior Pilot, Leading Edge Aerial Technologies Incorporated.
- 2:15 pm Discussion: How do Coregulators Work Together on Issues Related to New and Emerging Technology?
Facilitator: Lisa Blecker, CSU.
- 3:15 pm Break.**
- 3:30 pm Discussion: What Would be Helpful in the Short Term?
Facilitator: Lisa Blecker, CSU.
- 4:30 pm Action Items and Wrap-Up.
Cindy Wire, US EPA OCSPP.
- 4:40 pm Travel.
Sarah Hirnyck, CSU.

4:50 pm Final Thoughts and Acknowledgments.

Lisa Blecker, CSU.

5:00 pm Adjourn.

6:00 pm Group Dinner.

Village Pizza and Pints.