



Chemicals Regulation Division

Conference and Workshop: Applying Pesticides Using Drones

23-24 MAY 2023

Agenda

Day 1: The technological and regulatory context

Time	Topic	Speaker
9:00	Introduction	
	<ul style="list-style-type: none">Opening Statement/work of OECD Drone sub-Group	Grant Stark (Chair, OECD sub-Group, UK)
	<ul style="list-style-type: none">OECD Working party on Pesticides and Drones	Patience Browne (OECD)
	<ul style="list-style-type: none">OECD Theme Co-ordinator	Max Suckling (Co-operative Research Programme)
9:35	Emerging technologies and precision agriculture	Kit Franklin (Harper Adams University, UK)
9:55	Application Technology	
	<ul style="list-style-type: none">Crop Protection Industry Perspective	Neill Newton (Syngenta, US)
	<ul style="list-style-type: none">Drone Operating Company Perspective (V)	Speaker – (TBC) Matt Beckwith (Rantizo, US)
	<ul style="list-style-type: none">ISO standards	Edward Bals, (Member ISO group UK)
10:55	Q&A	
11:15	Refreshment break	
11:30	Research Overview	
	<ul style="list-style-type: none">On-target application efficacy	Roberto Barbosa (FMC, US)
	<ul style="list-style-type: none">Off-site movement	Jane Bonds (Consultant, US)
	<ul style="list-style-type: none">Occupational exposure	Maxie Kohler (Bayer, Germany)
	<ul style="list-style-type: none">Field crop residues	Jennifer Selwyn (Pest Management Regulatory Agency, Canada)
12:30	Q&A	
12:50	Lunch and networking	
13:50	Regulatory Overview (Aviation)	

	<ul style="list-style-type: none"> UK Aviation legislation and drone spraying Canadian Aviation legislation and drone spraying (V) 	Vikas Dangi (Civil Aviation Authority, UK) Cindy Haughton (Transport Canada, Canada)
14:20	Q&A	
14:40	Regulatory Overview (Pesticides)	
	<ul style="list-style-type: none"> Australian pesticide legislation and drone spraying 	Rod Edmundson (Australian Pesticides and Veterinary Medicines Authority, Australia)
	<ul style="list-style-type: none"> Japanese pesticide legislation and drone spraying (V) 	Hidetaka Kobayashi (Ministry of Agriculture, Forestry and Fisheries, Japan)
	<ul style="list-style-type: none"> EU pesticide legislation and drone spraying 	Eric Liegeois (EU Commission)
	<ul style="list-style-type: none"> US pesticide legislation and drone spraying 	Amy Blankinship (Environmental Protection Agency (US))
	<ul style="list-style-type: none"> Industry Overview on international pesticide legislation and drone spraying 	Sarah Hovinga (Bayer, US)
15:55	Q&A	
16:15	Closing summary of day one	Grant Stark (Chair, OECD sub-Group, UK)
16:20	Close	

Day 2: Best management practices

Time	Topic	Speaker
9:00	Day 2 Opening remarks	Grant Stark (Chair, OECD sub-Group, UK)
9:05	Best Management Practices Overview	
	<ul style="list-style-type: none"> Drone manufacturer 	Ronnie Liu (DJI, US)
	<ul style="list-style-type: none"> Crop Protection Industry 	Hector Portillo (FMC, US)
9:35	Q&A	
9:55	Introduction to best practices guidance	Hector Portillo (FMC, US)
10:00	Pre-flight. Training, aviation approval, intent to apply, field mapping and software preparation.	OECD sub-Group member (Claire Glennie, HSE, UK)
10:20	Feedback session	
10:40	Refreshment break	
11:00	Efficacy. Crop/situation, target pest, product attributes.	OECD sub-Group member (Jeff Dawson, Environmental Protection Agency, US)
11:20	Feedback session	
11:40	Tank mix. Clean tank, water quality, water volume, agitation, adjuvants, drift retardants and compatibility.	OECD sub-Group member (Paul Walker, Australian Pesticides and Veterinary Medicines Authority, Australia)

12:00	Feedback session	
12:20	Lunch and networking	
13:30	Environmental variables. Air temperature, wind speed and direction and swath displacement, relative humidity, thermal inversion and sensitive areas.	OECD sub-Group member (Ross Breckels, Pest Management Regulatory Agency, Canada)
13:50	Feedback session	
14:20	Equipment. Calibration, tank fill and monitoring of application.	OECD sub-Group member (Bronislava Skarbova, Ministry of Agriculture and Rural Development, Slovakia)
14:40	Feedback session	
15:00	Safety and stewardship. Pilot and bystander protection, PPE (for nozzle, spray tank, nurse tank repair/mixing and loading)	OECD sub-Group member (Jaroslav Franko, Ministry of Agriculture and Rural Development, Slovakia)
15:20	Feedback session	
15:40	Summary session	Grant Stark (Chair, OECD sub-Group, UK)
16:10	Conference assessment/feedback	Grant Stark (Chair, OECD sub-Group, UK)
16:30	Close	Grant Stark (Chair, OECD sub-Group, UK)

This event is sponsored by the OECD Co-operative Research Programme: Sustainable Agricultural and Food Systems.

