Monday, May 20

12.20  Lunch
13.00  Poster sessions
14.30 - 16.10

Session 1: Advanced applications in digital farming

- Remotely-Piloted Aircraft for Delivery of Agrochemicals: Operational experience and success
  D. Gilles, University of California, USA

- DroplegUltra – Site specific application in arable crops and vegetables
  R. Heinkel, Lechler GmbH, Germany

- On-line field measurement of yellow rust and fusarium head blight cereal crops using a Hyperspectral imager
  R.L. Whetton, University College Dublin, Ireland

- Applying the third and fourth dimension to precision agriculture in apple production
  D.C. de Hoog, Wageningen UR, The Netherlands

- Unmanned aerial vehicles for plant protection and its application technology in China
  X. HE, China Agricultural University, China
Tuesday, May 21

08.00  Poster hang-up/presentations upload
08.30  Plenary 1: 35 min
       Plenary 2: 35 min
09.40  Coffee
10.20 - 12.00

Session 2: Improvement of formulation efficiency I

Influence of leaf surface structure on wetting and droplet impaction
P. Taylor, Syngenta, UK

Image analysis of water-based droplets impacting on plant leaf surfaces
O. D. Huet, Queensland University of Technology, Australia

Spray characterization to optimize insecticide performance
R. Barbosa, Corteva Agriscience, United States

Interaction of adjuvants and reduced spray volume on fungicide efficiency in irrigated rice
I.S.N. Dario, São Paulo State University, Brazil

Drying of agrochemical droplets on model surfaces: co-localisation of active ingredient and adjuvant
C. Bain, Durham University, UK

12.20  Lunch
13.00  Poster sessions
14.30 - 16.30

Session 3: Improvement of Formulation Efficiency II

Product optimization – Managing active ingredient and product properties in formulation development
A. Simon, BASF SE, Germany

A novel formulation concept of Fox Xpro
E. Hilz, Bayer AG, Germany

Dow silicone antifoams and superwetters, adjuvants used to enhance actives effectiveness and ease of use
E. Raynaud, Dow Silicones, Belgium

Foliar spray quality – Do not overlook the impact on biological efficacy!
A. Buchholz, Syngenta Crop Protection, Switzerland

Novel benign and sustainable adjuvant delivery systems for agrochemicals and biosolutions
R. Haensel, Evonik Industries AG, Germany

Development of optimal solvent, surfactant packages for emulsion stability using high throughput techniques
M.P. Tate, The Dow Chemical Company, USA

Simulating droplet impaction outcomes: Comparison with experimental data
J. A. Zabkiewicz, SciCon Scientific Consultants Ltd, New Zealand
**Wednesday, May 22**

08.00  Poster hang-up/presentations upload  
08.30  Plenary 1: 35 min  
        Plenary 2: 35 min  
09.40  Coffee  
10.20 - 12.00

**Session 4: Approaches of reducing offset drift and the use of multifunctional field margins**

- **Pesticide dust drift from seed drilling - Part 1: The role of dust properties and sowing equipment**  
  D. Foqué, Flanders research institute for agriculture, fisheries and food (ILVO), Belgium

- **Reducing off-target losses by formulation design – Case studies**  
  J.O. Krause, Bayer AG, Germany

- **Increased spray deposition and reduced spray drift of multiple row orchard sprayers**  
  J.C. van de Zande, Wageningen University and Research, The Netherlands

- **Drift reduction: What determines the drop size in sprays, and how can it be changed with additives?**  
  D. Bonn, University of Amsterdam, The Netherlands

- **Understanding natural and social capital valuation of multifunctional field margins in agricultural landscapes**  
  J. Lammerant, Arcadis, Belgium
Thursday, May 23

08.00  Poster hang-up/presentations upload
08.30  Plenary 1: 35 min
       Plenary 2: 35 min
09.40  Coffee
10.20 - 12.00

Session 5: Innovative and green formulation technologies

Simultaneously encapsulated chemical and biological agents for plant protection and nutrition
M. Vinceković, University of Zagreb, Croatia

Green chemistry: A tool to move towards sustainable agrochemicals
M. Moseley, Yordas Group, UK

Fenpicoxamid (INATREQ™ active) – Formulation Innovation to Maximise Efficacy
A. Foster, Corteva Agrisciences, France

Formulation challenges and opportunities for microbial crop protection products
U. Malang, BASF SE, Germany

Plant parasitic nematode management in sub-Saharan Africa through wrap & plant technology
S. A. Khan, North Carolina State University, USA

12.20  Lunch
13.00  Poster sessions
14.30 - 16.30

Session 6: Seed treatments and innovative treatment technologies

Novel polymeric dispersants for application in suspension concentrate and seed coating formulations
J. Sheehan, Stepan Company, USA

Coating seeds with electrospun polymeric nanofibers for crop protection
S. A. Khan, North Carolina State University, USA

Encapsulation – Easier said than done – From concepts to products
M. Bratz, BASF SE, Germany

Modelling of Microemulsion Phase Behavior For Agricultural Applications Using Hydrophilic-Lipophilic Deviation Net Average Curvature (HLD-NAC) Approach
M.P. Tate, The Dow Chemical Company, USA

Seed coating polymers for enhanced performance
S. Kamin, Ashland Inc., USA

Structuring of Fertilizer Compatible Agrochemical Suspensions
J. Wall, Croda Inc., USA