35th Symposium on Pesticide Formulation and Delivery Systems: Pesticides and Adjuvant Formulations in 2014

Sponsored by ASTM Committee E35 on Pesticides, Antimicrobials, and Alternative Control Agents

October 7-9, 2014
Sheraton New Orleans
New Orleans, LA

Symposium Chairman: Alan Viets
BASF
Cincinnati, OH

TUESDAY, OCTOBER 7, 2014

1:00 PM
Welcome Remarks
Alan Viets, Symposium Chairman

1:05 PM
Former Head of EPA under President Bush
S. Johnson, Former Head of the EPA under President Bush

1:50 PM
Inerts Branch Chief
P. V. Shah, EPA

2:15 PM
QUESTIONS

REGULATORY

2:25 PM
A Short History of E35.22
A. Viets, BASF, Cincinnati, OH, USA

2:50 PM
BREAK

3:15 PM
CIPAC, ASTM and AOAC Methods Benefit for Authorisation Bodies and Applicants
R. Hänel, Federal Office of Consumer Protection and Food Safety, Braunschweig, Germany; L. Bura, European Food Safety Authority, EFSA, Pesticide Unit, Parma, Italy
3:40 PM
**FAO Representative**
Y. Yang, FAO JMPR & JMPS Secretariat, Rome, Italy

4:05 PM
**How SEG Functions**
J.-P. Bascou

4:30 PM
**Malaria a Tough Opponent**
A. Viets, BASF, Cincinnati, OH, USA

4:55 PM
**Closing Remarks**
Alan Viets, Symposium Chairman

5:00 PM  **Symposium Adjourns for the Day**

**WEDNESDAY, OCTOBER 8, 2014**

**REGULATORY** [Continued]

8:00 AM
**Opening Remarks**
A. Viets, Symposium Chairman

8:05 AM
**Adjuvant and Surfactant Registration in Brazil**
J. Yowell, Spring Trading Company, Spring, TX, USA; and S. Ferenc

8:30 AM
**Profiling of Plant Protection Products**
J. Garvey, The Pesticide Control Laboratory, Celbridge, Co. Kildare, Ireland

**FORMULATION AND SUPPORT**

8:55 AM
**OD Formulations: Stability Assessment and Field Trials**
P. Castelani, M. Catani, F. Antunes and F. L. S. Leal, Oxiteno Industria e Comércio AS, Mauá, São Paulo, Brazil
9:20 AM  
The Effect of the Ph Value on the Uptake of Ionic Solutes after Application to the Non-Aerial Primary Stem of Mung Bean (Vigna Radiata) Plants  
J. Aponte, Clariant Corporation, Muttenz, Switzerland; P. Bauer, Clariant Corporation, Frankfurt, Germany

9:45 AM  
BREAK

10:10 AM  
Effects of Surfactant Adjuvants on Plant Leaf Cuticle Barrier Properties  
A. Fagerström, V. Kocherbitov, and J. Engblom, Malmö University, Malmo, Sweden; and P. Westbye and K. Bergström, AkzoNobel Surface Chemistry, Stenungsund, Sweden

10:35 AM  
Adjuvant Improves Performance of Abamectin against Spider Mites in Cucumber  
H. deRuiter, M. Geuijen and L. Hof, Surfaplus, Wageningen, Netherlands

11:00 AM  
Rapid Analysis of Crop Protection Chemicals Using Patented Infrared Technology  
K. M. Ma, K. Kramer and C.-H. Tseng, Eurofins IR, West Chester, OH, USA

11:25 AM  
Can Initial Low Shear Rheology Predict Serum Formation?  
M. Hopkinson, Syngenta, Syngenta Crop Protection, LLC, Greensboro, NC, USA

11:50 AM  
LUNCH (On Your Own)

1:00 PM  
Formulation Innovation of Arylex™ Active: A New Broadleaf Herbicide  
M. Li, H. Jeon, H. Shao, D. Downer, J. Hercamp, J. Clark and A. Batra, Dow AgroSciences, Indianapolis, IN, USA

1:25 PM  
Review of Alkyl Polyglucosides and their Versatility in Agro Applications  
T. McAlpin, BASF USA

1:50 PM  
Safer Solvents for Crop Protection Formulations  
C. Moreau, S. Armisen and S. Rousseau, SOLVAY – LOF, Pessac, Gironde, France; B. Aribiat and M. Balastre, Solvay Novecare, Aubervilliers, Paris, France; K. Shanmuga, Solvay Novecare, Bristol, PA, USA; N. Huynh, Solvay RICL, St Fons, Rhone Alpe, France; and T. Vidal, Solvay Novecare, St Fons, Rhone Alpe, France; and V. Bramati, Ospiate, Milano, Italy
2:15 PM  
A Method to Determine the Relative Volatility of Auxin Herbicide Formulations  
W. Gavlick, Monsanto, St. Louis, MO, USA

2:40 PM  
Do the Formulations Made with Biodegradable Solvents Result more Attractive to Pests than the Ones Made with Aromatic Solvents?  
C. Marteniz, BASF Mexicana, Colonia, Mexico

2:05 PM  
BROKEN

3:30 PM  
Ready to Use Solution to Formulation and Stabilize Oil Dispersions  
V. Bramati, Solvay, Novecare, Agriculture Specialties, Ospiate di Bollate, Milan, Italy; M. McKnight and K. Shunmuga, Solvay, Novecare, Agriculture Specialties, Bristol, PA, USA; M. Balastre and B. Abribat, Solvay, Novecare, Agriculture Specialties, Aubervilliers, France

4:00 PM  
Closing Remarks  
Alan Viets, Symposium Chairman

4:05 PM  
Symposium Adjourns for the Day

THURSDAY, OCTOBER 9, 2014

APPLICATION TECHNOLOGY

9:00 AM  
Opening Remarks  
A. Viets, Symposium Chairman

9:05 AM  
Biological Drift Evaluations in a Low-Speed Wind Tunnel  
R. Henry and G. R. Kruger, University of Nebraska/Lincoln, North Platte, NE, USA; B. Fritz and W. C. Hoffman, USDA-ARS, College Station, TX, USA; A. Hewitt, University of Queensland, Gatton, Queensland, Australia

9:30 AM  
Efficacy of Ammonium Sulfate Replacement Adjuvants  
R. Zollinger, North Dakota State University, Fargo, ND, USA

9:55 AM  
BROKEN
10:20 AM  
**The Effect of Adjuvants at High Spray Pressures for Aerial Applications**  
B. Fritz, USDA ARS, College Station, TX, USA

10:45 AM  
**Dispersant Formulation for Composting Lipophilic Plant Residues**  
P. Bially, Bially Formulators LLC, Orlando, FL, USA

11:10 AM  
**Influence of Adjuvants on Droplet Size for Rotary Nozzles**  
C. Hoffmann and B. Fritz, USDA-ARS, College Station, TX, USA

11:35 AM  
A. Hewitt, University of Queensland, Queensland, Australia

11:50 AM  
**Closing Remarks**  
2015 Symposium Chairman Elect, Craig Poffenberger

12:00 PM  
**SYMPOSIUM ADJOURNS**