Critical insight into regulation policy, R&D and scientific evaluation on beneficial substances to help gain your share of this emerging sector

Expert Speakers Include:

- David Beaudreau, President, The Biostimulant Coalition, USA
- Tom Adams, Monsanto, USA
- Debora Wilk, Marrone Bio Innovations, USA
- David Lanciault, Agricen Sciences, USA
- David Carden, Valagro, Italy
- Ry Wagner, Agrinos, USA

NEW FOR 2014:

- 6+ Sessions and 16+ hours of informative discussion
- 16+ speakers with a wealth of experience in this industry

Interactive Focus Training: Monday July 21, 2014

Formulation and Manufacturing of Biologicals and Seed Treatment with Biologicals

Host: Ketan Mehta, Managing Director, Ecosense Labs, India

Interactive Focus Training: Monday July 21, 2014

An Interactive Training Day on The Seed Treatment Industry

Hosts Include: Jerry Duff, CEO, AgriThority, USA

Advanced Learning Seminar: Tuesday July 22, 2014

Policy and Regulation for Agrochemicals, Biopesticides & Plant Growth Regulators

Host: Keith Matthews, Counsel, Sidley Austin, USA

Feedback from Fertilizer State Control Officials and the Canadian Food Inspection Agency - depending on the mode of action and the claims made for a product, it might require registration with state fertilizer programs, or state and federal pesticide programs, or all: clarification on this point

Gain practical guidance and industry insight with real-life case studies – including updates from Marrone Bio Innovation on modes of action and mechanism

Explore the biostimulant and plant growth market with timely advice on new technologies to advance production-review impressive field trial results and discover success stories of biological nutrient enhancers in Asia

North America accounts for 20% of the global biostimulant market – benefit from updated advice and insider knowledge to excel in this industry

Succeed in the plant health market with guidance on speciality products including biostimulants, soil amendments and plant growth regulators

Informa Life Sciences inaugural conference on

Biostimulants and Plant Growth

July 22-23, 2014, Raleigh Marriott City Center, Raleigh, NC, USA
www.informa-ls.com/biostimulantsusa

To register please Tel: +44 (0) 20 7017 7481 Fax: +44 (0) 20 7017 7823
Book online: www.informa-ls.com/biostimulantsusa Email: registrations@informa-ls.com

Please quote: CQ8190
Interactive Focus Training: Monday, July 21, 2014 • CQ8190W

Option A - Formulation and Manufacturing: Biologics and Seed Treatment with Biologicals

08.40  Registration • 10.00  Morning Coffee & Networking Break

Seed treatment along with biologicals is a novel topic, which has been taking the industry by storm since 2012. An area that proves challenging to many is that of formulation and manufacturing of such products. This workshop aims to highlight challenges and discuss potential solutions. It will also address the use of biostimulants as seed treatments.

Topics to be covered include:
- Formulating biologicals - providing advice and guidance
- Storage stability challenges and how to deal with these
- Other formulation challenges
- Formulation case studies for seed treatments
- Looking at biological seed treatments and how these are formulated – learning from experiences and trial data from India and Europe
- Insight into manufacturing of biologicals and seed treatments
- Exploring manufacturing in Asia: What you need to know

Host: Ketan Mehta, Managing Director, Ecosense Labs & Treasurer, Pesticides Manufacturers & Formulators Association, India

Interactive Focus Training: Monday, July 21, 2014 • CQ8190T

Option B - An Interactive Training Day on The Seed Treatment Industry

Registration 13.45 • Start 14.00 • Finish 19.00 Followed by networking dinner and drinks

Enormous growth in seed treatment markets have occurred around the world over the past two decades. Seed technology is moving into an era of rapid development of biological and bio-rational products. We are seeing more and more of this “new” technology being stacked on seed together with more traditional synthetic chemistry to give full-spectrum disease and pest management plus wider plant health improvements culminating in higher yield potentials.

Topics to be covered include:
- An introduction to the seed treatment industry
- Seed treatment product updates
- Seed treatment vs. standard crop protection products
- Strategies to develop chemical and biological seeds treatments

Leaders include:
Jerry Duff, CEO, AgriThority, USA, David Jackson, AgriThority, UK, Richard Shaw, AgriThority, USA & Dr Krishan Jindal, AgriThority, India

Please visit www.informa-ls.com/biostimulantsusa for further information.

Day One: Tuesday, July 22 2014

08.00  Registration
08.30  Opening Remarks from the Chairperson

Exploring the Dynamics of the Biostimulant Market

08.40  Growth Pockets for Colossal Biostimulant Industries
- Latin American nations among the fastest growing markets
- High demand for natural/organic products to propel growth
- Global demands revived by sea weed extract based biostimulants
- Active agreements & collaborations for business expansion
- New product launching for better penetration

Mayur Bhatia, Associate Director-Research, Agriculture, Food & Beverage, MarketsandMarkets, USA

10.00  Morning Coffee & Networking Break

Biostimulant and Plant Growth Regulation and Policy in North America

10.30  KEYNOTE: Defining Biostimulants: Critical Information from the Biostimulant Coalition
- A clear definition of biostimulants
- What biostimulants are and what they are not
- Are biostimulants fertilizers, plant protection products, both or neither?
- An update on microbial products and biostimulants
- Reviewing biostimulant classifications: classification with different groups
- How is the Biostimulant Coalition working with state officials and government to help harmonize the regulation of biostimulants?

David Beaudreau, President, The Biostimulant Coalition, USA

11.20  Webinar Panel Session: Feedback from Fertilizer State Control Officials and The Canadian Food Inspection Agency

This will be a webinar session consisting of a presentation followed by an interactive discussion with state control officials and the Canadian Food Inspection Agency. Topics to be addressed:
- Guidance on how fertilizers are currently regulated
- Addressing how biostimulants are currently regulated at state level: feedback from Oregon and Oklahoma
- Feedback on the fertilizer safety program at the Canadian Food Inspection Agency
- Depending on the mode of action and the claims made for a product, it might require registration with state fertilizer programs, or state and federal pesticide programs, or all: clarification on this point
- Future considerations

Webinar Panel Hosts:
Don Wolf, Fertilizer Program Specialist, Oregon Department of Agriculture, USA
Lance Kunnamen and Kenny Naylor, Fertilizer Program Administrator, Oklahoma Department of Agriculture, Food and Forestry, USA
Glenn Murray, Chief Fertilizer Safety Officer, Canadian Food Inspection Agency, Canada

11.50  Understanding How Plant Growth Regulators are Regulated by the EPA
- Interpretation of plant growth regulators
- Interpretation of biostimulants
- Drilling down what you are really asking in order to determine the regulatory process
- The definition can vary – make it clear on what you are asking
For more information please visit www.informa-ls.com/biostimulantsusa

12.30  Lunch & Networking Break

13.30  Practical Feedback on Registration Biostimulants: What do Industry Want?
- How are companies currently registering biostimulant products
- What issues are there with the current system?
- What do companies want?
- What are industry concerns?
- What guidance/advice do industry have for the authorities and those who are leading the changes in regulation of biostimulants?
- Insight on the European perspective in regards to the above

David Carden, Head of Regulatory, Valagro, Italy

Challenges to Consider When Working With Biostimulants

14.10  Feedback from Monsanto
For more information relating to this presentation please visit www.informa-ls.com/biostimulantsusa

Dr. Tom Adams, Biotechnology Lead, Monsanto Company, USA

14.50  Question & Answer Session

15.00  Afternoon Coffee & Speed Networking

15.30  Spotlight Session
If you can offer regulatory services or technology platforms that will be of benefit to this audience and would like to host this session please contact Chamatkar.Sandhu@informa-ls.com Tel: +44 (0) 20701 77 278

Biostimulants: MBI’s Vision & Commitment
- Biostimulants: Brief intro. Why we need them
- MBI’s Plant Health Platform-Screening for biologicals
- Mode of action and mechanisms
- Case study
- What are the challenges?

Dr Debora Wilk, Micro and Molecular Biology Group Leader, Marrone Bio Innovations, USA

16.00  Biostimulant Products: Moving from Grand Concept to Commercial Reality
- Biostimulants and their role in Ag sustainability
- The competitive market (segments and their evolution)
- What are the criteria for acceptance and adoption?
- Barriers and challenges?
- A case history: Biostimulant product evolution and launch
- Lessons learned and how they apply to future opportunities

David Lanclautt, Chief Executive Officer, Agrisciences, USA

16.40  Survey of Scientific Literature on Selected Categories of Biostimulants, including Plant Growth-Promoting Rhizobacteria (PGPR)
- Description of 2013 review article on biostimulants- categories included
- Description of PGPR as examples of the biostimulant category “microbial inoculants”
- Overview of findings and research trends for each category of biostimulants
- Future research needs identifies in research of biostimulants

Joseph W. Kloeper, Professor of Plant Pathology, Auburn University, USA

17.20  End of Day One & Networking Drinks
Advanced Learning Seminar: Tuesday July 22, 2014  CQ8190S

Policy and Regulation for Agrochemicals, Biopesticides & Plant Growth Regulators

Register 18.15 Start 18.30 Finish no later than 20.30 Networking Dinner Included

This seminar will consist of presentation and interactive group discussion. It will build upon the discussion from the day’s events and will offer advanced guidance on:

- The regulatory system and framework for agrochemicals and biopesticides in the USA
- Policy and legal issues that industry should be aware of when regulating plant protection and enhancement products including plant growth regulators
- Open question and answer session focussing on agrochemicals and biopesticides

This session will explore the following:

- For agrochemicals: Key developments regarding neonicotinoids, spray drift, the USA Farm Bill and the Endangered Species Act will be addressed
- For biopesticides, this meeting will address regulation of biopesticides and discuss prospects for regulatory action related to interfering RNAs (RNAi) and new developments in biopesticide regulation
- For plant growth regulators participants and the host will engage in open discussion and review on-site questions in a group setting

Advanced Learning Host: Keith Matthews, Counsel, Sidney Austin, USA

Day Two: Wednesday, July 23 2014

R&D Scientific Innovations for Plant Growth

08.30 Start of the Conference and Opening Remarks from the Chairperson

08.40 Biomass as an Integral Component of New Crop Productivity Platforms
- The need for new approaches to crop productivity
- The rapid emergence of new technologies that enable the design of effective biostimulants
- Biological products that deliver success in conventional large-scale agricultural systems
- Keys to the future success and sustainability of biostimulant products and the biostimulant industry

Dr D. Ry Wagner, Chief Technology Officer and President, Agrinos, USA

09.20 Exploring Biostimulant Products
- Biostimulant products currently on the market
- Insights on biostimulant mechanisms of action
- Combining biostimulants with biopesticides and fertilizers
- Biostimulants in field trials: feedback from growers

Dr Annett Rozeck, CSO, Terramera Bioproducts, Canada

10.00 Morning Coffee & Networking Break

10.30 Protein Hydrolisate Based Biostimulants
- What they are?
- How they are produced?
- Effects of protein hydrolisate based biostimulants on plant physiology
- Exploring field crop results of protein hydrolisate based biostimulant applications

Giuseppe Colla, Dept. DAFNE, University of Tuscia, Italy

11.10 Exploring Seaweed as a Biostimulant
- Different types of seaweed species used
- The different processes
- The different main activities/claims
- The actual level of science behind it

Franck Henneguet, Technical Director, Oilean Glas Teo, Ireland

11.50 Vermicompost: Large Scale Production and Movement from Fertility Agent to Biostimulant
- Quality control needs in organic biostimulants
- Obtaining value for more than NPK
- Adoption of biostimulants by large scale horticulture
- Production of vermicompost - moving from the feel good to the real good
- University -industry R&D to validate and calibrate product claims

Thomas Herlihy, Founder & President, Worm Power Brand Products, USA

12.30 Lunch & Networking Break

Exploring Biostimulant Developments in Asia

13.30 Success Story of Biological Nutrient Enhancers in Asia
- Meeting the food and bio-fuels security challenges in Asian countries
- Technical information of biological fertilisers and/ or microbial soil inoculants
- Trial information on a whole host of crops like rice, wheat, sunflower, soybean, maize, legumes, sunflower, palm and cotton

Ketan Mehta, Managing Director, Ecosens Labs, India

14.10 Exploring A Microencapsulated Adjuvant System for Clostochays Rosea Products
- No inactivation of conidia within dry formulated product
- Improved colonization of foliage & seeds
- Improved effects on plant health
- Improved colonization speed = reduced UV inactivation

Terry A. Clark, Director, Global Market Development, Adjuvants Plus Inc, Canada

14.50 Question & Answer Session

A New Generation of Biostimulants: Innovative Technology and Real Life Case Studies

15.00 Afternoon Tea & Networking Break

15.30 Exploring New and Innovative Technology for Biostimulant Production
- SAAT, the sillicic acid agro technology as a biostimulant
- A biostimulant that enables higher yields, high quality and improved harvest characteristics
- Safe for farmer, soil and very safe in the food chain right up until the end consumer
- Cost effective with C/B ratio’s of > 1:3 or higher
- Examining impressive field trial results to be provided

Dr Henk-Maarten Laane, Director Research & Development, ReXii Agro BC, The Netherlands

16.10 A New Generation of Biostimulants through “Discovery by Molecular Design”
- The challenge of screening for biological and natural product regulators of crop productivity
- Mendel’s Productivity Reporter Panel (PRP), built using targets from Mendel’s Plant Gene Regulatory Network V2.0
- Examples of biostimulant product leads discovered using the PRP
- Product candidates for Mendel’s first three product concepts in 2014 field trials
- Markets for water management & yield enhancing biological products

Neil Gutterson, President & CEO, Mendel Biotechnology, USA

16.50 Non-Extracted Liquid Humic Acid, Benefits and Performance Data
- Raw material options
- Selective GIS mining
- Innovative production process and its benefits
- Crop trial results

Jerry Darlington, Vice-President Research and Development, AMCOL International, USA

17.30 End of Conference
Poster Submission: You may wish to display a poster in the exhibition hall. Service providers, CRO's and those wishing to promote a product/service are asked to pay a fee of $600 to display a poster in the exhibition hall. Informa will determine if you are a service provider or vendor/supplier when your registration is processed. The amount you are charged will be determined when your invoice is raised. Informa Life Sciences will verify whether you are a vendor/supplier when your registration is processed.

To make payment by credit card: To ensure we provide the highest level of security for your credit card details we are unable to accept such payments via email or fax which ensures that these details are never stored on our network. To make payment by credit card on-line, please enter your credit card details in our secure payments website that you will use when making your booking via the booking form. Alternatively call our customer service team on +44 (0) 20 7017 7481. You will always receive an acknowledgement of your booking. If you do not receive anything, please call us on +44(0) 20 7017 7823 to make sure we have received your booking.

Your VIP number is on the address label. If there is no label, please quote the reference number printed on the mailing label. If you are receiving multiple mailings or you would like us to change any details or remove your name from our database, please contact the Database Manager at the above address, Tel: +44 (0)20 7017 7077, Fax: +44 (0)20 7017 7828 or email: integrity@informa.com. Occasionally your details may be obtained from, or made available to, external companies who wish to communicate with you offers related to your business activities. If you do not wish your details to be available to companies in the Informa Group please contact the Database Manager at Maple House, 1-49 Tottenham Court Road, London, W1T 7AD, Tel: +44 (0)20 7017 7077, Fax: +44 (0)20 7017 7363 or email: integrity@informa.com.

The personal information shown on this form, and/or provided by you, will be held on a database and may be shared with other companies in the Informa Group in the UK and internationally. If you do not wish your details to be available to companies in the Informa Group, please contact the Database Manager at Maple House, 1-49 Tottenham Court Road, London, W1T 7AD, Tel: +44 (0)20 7017 7077, Fax: +44 (0)20 7017 7363 or email: integrity@informa.com. Cancellations received in writing before and on 7th July 2014 will be subject to a service charge of £99. The full conference fees remain payable after 7th July 2014. Substitutions are welcome at any time. It may be necessary for reasons beyond the control of the organiser to alter the content and timing of the programme or the identity of the speakers. In the unfortunate event that an event is cancelled Informa are not liable for any costs incurred by delegates in connection with their attendance. This conference documentation: Cannot Attend? For those busy executives who cannot take full advantage of this event, the papers give you a useful record of the presentations made at the event. The set of speakers papers and/or slides from the conference is available after the event for £399 + 20% VAT. Contact Customer Services on tel: +44 (0) 20 7017 7481, fax: +44 (0) 20 7017 7823 or email: registrations@informa-is.com.

Terms and Conditions: This includes all technical sessions, lunch and documentation. CANCELLATIONS: Cancellations received in writing before and on 7th July 2014 will be subject to a service charge of £99. The full conference fees remain payable after 7th July 2014. Substitutions are welcome at any time. It may be necessary for reasons beyond the control of the organiser to alter the content and timing of the programme or the identity of the speakers. In the unfortunate event that an event is cancelled Informa are not liable for any costs incurred by delegates in connection with their attendance. This contract is subject to English Law. Flash Price: Available until Friday May 2nd 2014. Not valid for service providers, CRO’s and vendors. Cannot be used with any other offer. ARE YOU REGISTERED?: You will always receive an acknowledgement of your booking. If you do not receive anything, please call us on +44(0) 20 7017 7481 to make sure we have received your booking.

Interactive Focus Training - A  CQ8190W
Interactive Focus Training - B  CQ8190T
Advanced Learning Seminar  CQ8190S

Select your Pass
- 2 Day Pass: Conference Only
- 2 Day Pass: Conference + Advanced Learning Seminar
- 2 Day Pass: Conference + Interactive Focus Training
- Full Pass: Conference + Advance Learning Seminar + Interactive Focus Training

Code
- CQ8190C
- CQ8190CS
- CQ8190CWT
- CQ8190CSWT

Book before Fri May 2nd 2014
- $1899
- $2398
- $2698
- $3097

Save
- $200
- $200
- $200
- $300

Book between Fri May 2nd 2014 & Fri June 20th 2014
- $1999
- $2498
- $2798
- $3197

Save
- $100
- $100
- $100
- $200

Book after Fri June 20th 2014
- $2099
- $2598
- $2898
- $3297

Save
- $100

FEE: This includes all technical sessions, lunch and documentation.