



# US BIOSTIMULANTS SUMMIT 2018

27th - 28th of June, Chicago, IL, USA

## Stakeholder Perspectives for Successful Integrated Crop Management Practices

### KEY TOPICS:

- Biostimulant Market Overview and Opportunities
- Regional Focus on the US Biostimulant Market
- Commercial Perspective of Biostimulants: Where the Growers and Suppliers Can Add The Greatest Value
- Regulatory Update: Towards a Clear and Predictable Framework for Biostimulants
- Nutrition Efficiency, Crop Yield and Modes of Actions
- Soil Cycle and Microbial Activity
- Biostimulant Stress responses and evaluation
- R&D, Latest Technologies and Product Development

### EVENT SPONSORS:



### Sponsorship & Exhibition opportunities:

Tim Rowley Evans +44(0)2031410614 or [trowleyevans@acieu.net](mailto:trowleyevans@acieu.net)



## Successful Developments in Biostimulants Industry

The Global and American biostimulants market has grown significantly over past few years. With increased direction from the Authorities and growing demand for sustainable agriculture it is certain that biostimulants market will continue to experience remarkable growth. ACI is delighted to announce the first edition of the US Biostimulants Summit, taking place in Chicago on the 27–28 June 2018.

The two day event will bring together key industry stakeholders from the biostimulants industry to discuss the challenges faced and the future opportunities. Conference will discuss the current overview of the market, with highlights from experts on the progression of the biostimulants market and new insights and innovation of projects in pipeline.

The conference will also have insights from end-use markets giving updates on market growth drivers along with sustainable advancements in technologies and R&D projects.

## Who will you meet at the event:

- Plant health, nutrition and physiology specialists
- Agriculture and enhancement experts
- Specialty plant nutrition and biostimulants manufacturers
- Government and policy agencies
- Distributors, investors
- Biostimulants producers and feedstock suppliers
- R&D and scientists, trade associations

## Confirmed Topics for Discussion:

- Biostimulants Market Overview and Opportunities
- Regional Focus on the US Biostimulants Market
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- Regulatory Update: Towards a Clear and Predictable Framework for Biostimulants
- Nutrition Efficiency, Crop Yield and Modes of Actions.
- Soil Cycle and Microbial Activity
- Biostimulants Stress responses and evaluation
- R&D, Latest Technologies and Product Development

## Speaking Opportunities:

If you would like to be considered as a speaker for the event with a 30-45 minute presentation, please submit an abstract for consideration to:

**Riccardo Navia Britos**

Conference Producer

Tel: +44(0)20 3141 0647

Email: [rbritos@acieu.net](mailto:rbritos@acieu.net)

## Opportunities to Meet your Target Audience:




For information on available sponsorship and commercial opportunities, please contact **Timothy Rowley Evans**:

Tel: +44 (0)20 3141 0614 or

Email: [trowleyevans@acieu.net](mailto:trowleyevans@acieu.net)

## Registration is Simple:

If you would like to register for this event or wish to find out more information, you can contact **Rafael Krupa** by using any of the following methods:

 +48 (0) 61 646 7040

 [rafael@acieu.net](mailto:rafael@acieu.net)

 <http://www.acius.net>

 Postal Address:  
ACI Europe, 10 Gough Square, EC4A 3DE, London, UK



## DAY 1

Wednesday 27th June 2018

08:00 **REGISTRATION & COFFEE**

09:00 **CHAIRMAN'S OPENING REMARKS**



**Peter Baas**  
Director of Research and  
Development  
**Growcentia**

09:15 **CONFERENCE PRESENTATION**

### Developing an International Business Strategy in the Biostimulant Arena

- The potential of the market place for bio-stimulants and bio-fertility products. Determining the scope and fit for products
- The issues of registrations and import approval
- Establishing Distribution Partners
- Pathway Biologics experience- Developing and implementing an international business plan



**Glen Crowe**  
National Sales Manager  
**Pathway Biologic LLC**

10:00 **CONFERENCE PRESENTATION**

### Nutrients and Bio-Stimulants; Understanding Sound Soil and Plant Health in Best-practice Bio-stimulant Usage

- How the bio-stimulant industry has evolved in Canada and the USA
- USA market potential of bio-stimulant fertilizer additives.
- Building bio-stimulants into agricultural programs for success
- Bio-Stimulants are viable tools in mainstream agriculture. Market opportunities.
- How Bio-Stimulants should be built into an agricultural program for successful returns.



**Peter Aleman**  
President  
**Bio-Gro Inc.**

10:45 **MORNING REFRESHMENTS**

### SESSION ONE:

11:15 **Commercial Perspective of Biostimulants: Where the Growers and Suppliers Can Add The Greatest Value**

- Addressing the Growers' concerns about the benefits and features of biostimulants. Helping Growers design evaluation programs to prove value for both the company and the end user
- Understanding what is essential for farmers: proof the product does what it promises, improve security and crops of high yield and quality
- Farm focus: guidelines on how to choose the best product
- Manufacturers views: managing product quality and price performance.



**Dan Coffin**  
Sr. Agronomist  
**SummitGold**

11:45

### Biostimulants and Agronomic Crops: Growth Responses, Productivity, Yields and Economics

- Agronomic plant responses to various biostimulant classes/products.
- Crop yields and net economics from biostimulant usage
- Roadblocks to widespread acceptance of biostimulants in agronomic crops



**Michael Rethwisch**  
Professor and Crop Advisor  
**University of California Cooperative Extension**

12:15

### Panel Q&A

12:30

### LUNCH

13:30

### SESSION TWO:

### Nutrition Efficiency, Crop Yield and Modes of Actions

### Understanding the Benefits and Modes of Action of Seaweed Extract Biostimulants on Enhanced Nutrient Uptake and Efficiency in the Field

- Review scientific evidence of increased nutrient uptake with applications of seaweed extract biostimulants
- Provide an overview of potential modes of action of seaweed extract biostimulants on increasing crop nutrient uptake
- Discuss practical results in the field, and evaluate how to use seaweed extract biostimulants for enhancing nutrient levels of crop plants

14:00



**Holly Little**  
Director of Global  
Commercial Science  
**Acadian Plant Health**

## 'Chemical Biostimulants; an Example with Calcium Mobility'

- Introduction to Plant Impact and Plant Impact's approach to crop enhancement
- Our focus on developing a portfolio of chemical biostimulants
- Fortalis® and Veritas® as products to promote localised calcium mobility
- Demonstrating robust trials data and an understanding of mode of action



**Stephen Adams**  
R&D Director  
**Plant Impact plc**

14:30

## Insights into the Mechanism of Action of Bio Formulations Derived from Tropical Red Seaplants

- Introduction to Sea6 Energy and the solutions offered
- Understanding the effects and mechanism of action of Sea6 products in plant systems
- Scientific studies explaining upregulation of pathways
- Field results and benefits of using Red Seaplant extract



**Sowmya Balendiran**  
Co-Founder, Director Business  
Development  
**Sea6Energy**

15:00

## Panel Q&A

15:20

## AFTERNOON REFRESHMENTS

### PANEL DISCUSSION

#### Regulatory Update: Towards a Clear and Predictable Framework for Biostimulants.

The panel will consist of two introductory presentations followed by an open discussion between panellists and audience

15:50

#### Regulation of Plant Biostimulant in the U.S.: Status and Next Steps.

- EPA guidance update
- USDA biostimulant workgroup update/ Farm Bill update
- Outreach and engagement needed to support these efforts

16:00



**David Beaudreau**  
President  
**Biostimulant Coalition**

## Overview from the Fertilizer Industry Perspective

- State biostimulant regulatory efforts thru the U.S. organization called the Association of American Plant Food Control Officials (AAPFCO)
- U.S. efforts impacting global trade (and regulation) thru ISO TC-134
- Outreach and engagement needed support those two efforts



**Ed Thomas**  
Director of Regulatory Affairs  
**The Fertilizer Institute**

16:10

## Discussion

16:50

### CONFERENCE PRESENTATION

#### Usage Of Microalgae to Develop Next Generation Biostimulants

- Introduction to microalgae and their advantages
- State of the art of the microalgae based biostimulants
- Pipeline of microalgae based applications for agriculture



**Carlos Rodríguez-Villa Förster**  
General Manager  
**AlgaEnergy**

17:35

## CLOSE OF DAY ONE

## DAY 2

Thursday 28th June 2018

08:30

### REGISTRATION & COFFEE

09:00

### CHAIRMAN'S OPENING REMARKS



**Peter Baas**  
Director of Research and  
Development  
**Growcentia**

09:05

### CONFERENCE PRESENTATION

#### Progress through Private-Public Sector Partnerships: Issues and Approaches

- Success is and will continue to be assessed by growers and their advisors using their metrics

09:50

## PANEL DISCUSSION

### Laying the Foundation for a Nascent Industry: Stakeholder Perspectives and Encouraging Investments.

- Enhancing success requires multiple capacities available in the private and public sectors (e.g., product suppliers and independent researchers and educators)
- Currently, these capacities appear to be poorly integrated, slowing progress
- Traditional and new partnership models show promise but application requires recognition of key issues
- An Integrated Crop Management approach: meeting global demand for organic agricultural products
- Discuss the reasons why biostimulants are underutilized and how to communicate to people what the product can do for them: education on the product/category and key information to consumers
- Explain consumers perspective: the growing need for healthy, plentiful and affordable food that has been produced in a way that is compatible with their values
- Work to increase market clarity, transparency, predictability and stability so that investors can make informed decisions
- Foster innovation and fair competition while protecting consumers and farmers: what are our responsibilities as biostimulant producers



**Michael Warren**  
CEO  
**Earth Alive Clean Technologies**



**Jared Frye**  
Agronomy and Product Research  
**SummitGold**



**Matthew Kleinhenz**  
Prof. of Vegetable Crop Physiology & Management  
**Ohio State University**

10:35

## MORNING REFRESHMENTS

11:05

## SESSION THREE:

### Soil Cycle and Microbial Activity The Marvel of Microbes

- Secrets to unlocking soil reserves
- Monitoring soil nutrient balance; effects of imbalance
- Promoting nutrient cycling for better results
- Putting theory into practice with microbes



**Rhonda Dybiec**  
Business Development Manager  
**Agriculture Solutions**

11:35

### How Biostimulant Technology Can Improve Fertilizer Efficiency

- In some soils, we have excessively high build-up of P (manured fields, for example) or we may have excessive retrograde tie-up of P. High levels of P alter mycorrhizae populations, which can reduce fertilizer and water use efficiency. Conversely, P is not very mobile in the soil, so we need mycorrhizal fungi. To add to our misery, P can run-off in no-till operations and cause problems (blue/green algal blooms). How can we mitigate these issues and enhance profitability on the farm?
- Our group came up with a product concept called NutriRhize. It's a complexed potassium fertilizer with a patented microbial biostimulant that we could show could induce mycorrhizal fungi sporulation.
- We hypothesized that by stimulating native mycorrhizae, we could reduce our need for fertilizer and maintain yields.
- We further hypothesized that by changing our application method (broadcast vs. in-row), we could further improve efficiency.
- I will describe the university trials that we conducted to evaluate these hypotheses and end with the suggestion that the fertilizers of the future will incorporate biostimulants and utilize innovative application techniques (strip-till plus banding) to mitigate fertilizer loss and improve ROI.



**John D. Bailey**  
National Product Manager  
**Timac Agro Usa**

12:05

### Multi-species Consortia: Developing the Next Generation of Biostimulants to Improve Crop Yield and Health

- High-throughput selective breeding approaches can accelerate the isolation of highly productive communities
- Inter-species interactions result in synergistic effects at different ecosystem scales
- Exceptional shelf stability without expensive formulations
- Synergistic consortia outperform single strains



**Peter Baas**  
Director of Research and  
Development  
**Growcentia**

## 12:35 Panel Q&A

## 12:55 LUNCH

## 13:55 CONFERENCE PRESENTATION

### Actagro's Experience Studying Complex Organic Substances

- Building credibility of Biostimulant performance with Agronomy science
- The long path of mode of action
- Actagro LLC experience in studying complex substances



**David Hernandez**  
Director of Agronomy and  
Field Development  
**Actagro LLC**

## 14:40 CONFERENCE PRESENTATION

### Seaweed Extract (*Ascophyllum nodosum*) and Enhanced Abiotic Stress Tolerance, a Review of Ocean Organics Research

- Extreme weather, including hot and dry conditions, is becoming more the norm in many crop production areas of the world
- Crop growth, yield, and quality are all negatively impacted by abiotic stresses such as drought, extreme temperatures (heat) and salinity
- The best solution is a multifaceted approach; research shows that seaweed extracts have earned their place as part of that approach
- Continued research into the mechanisms by which seaweed extracts help plants withstand drought & salinity stress will optimize their use



**Greg Cosman**  
Business Development  
Manager  
**Ocean Organics**

15:25

## Unique Facilities for Product Testing at Pilot-scale in Defined Soil-crop Systems.

- New facilities recently opened at Cranfield University under the UK Government's "AgriTech Centres for Innovation" programme
- Pilot scale soil processing facility for set-up of trials under defined soil conditions (up to 24 m<sup>3</sup> soil per trial); allows specific soil-crop systems to be trialled in a glasshouse with an overhead LemnaTec scanning capability
- Facility includes multiple sensor platforms (soil, roots, canopy) and facilities for simulated rainfall events to study rainfastness, soil erosion and run-off
- Facility linked to Johnson Matthey AgriTech Accelerator Programme
- Initial projects will be presented and the scope for use in biostimulant trials discussed



**Gilu George**  
Business Development  
Manager  
**Cranfield University**

16:10

## CHAIRMAN'S CLOSING REMARKS



**Peter Baas**  
Director of Research and  
Development  
**Growcentia**

16:15

## AFTERNOON REFRESHMENTS AND END OF CONFERENCE




# US Biostimulants Summit 2018

Chicago, Illinois - USA

27<sup>th</sup>-28<sup>th</sup>  
June  
2018

## Registration Is Simple

If you would like to register for this event or wish to find out more information, you can contact Rafael Krupa using any of the following methods:

 +48 (0) 61 646 7040

 rafael@acieu.net

 <http://www.acius.net>

 **Postal Address:**  
ACI Europe, 10 Gough Square, EC4A 3DE, London, UK

## Registration Is Simple

Conference (Includes Access to Documentation Pack)  
27th & 28th June 2018

£1,595.00

Documentation Pack Only

£420.00

Please Note.

Members and customers of all supporting organizations are entitled to a discount off their conference package.

For more information please call Rafael +48 (0) 61 646 7040.

## Documentation Packet Available

We are selling the US Biostimulants Summit 2018 papers at just £395 (+£25 P&P). Simply tick the box on the booking form, send it with payment and your copy will be on its way to you after the meeting. This important manual will be a source of invaluable reference for the future.

## About ACI

ACI, a UK owned company, has been running successful conferences in the USA since 1999. Headquartered in Chicago, ACI opened its European head office in London at the end of 2005 and has expanded rapidly, launching a series of events in key industries including maritime, energy, chemicals, cosmetics & pharma and opening offices in Poznan (Poland) & Pune (India).

## Terms & Conditions

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Discounts are available for multiple/group bookings. Please call Rafael +48 (0) 61 646 7040 for more information.

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