

SESSIONS

DAY 1 - 12/11/2024

Biocontrol & Biomes

Live In-Person Experience:

12 November, Miami, USA

The Miami Beach Convention Center, Miami, USA

Welcome to the workshop

10:05 - 10:10

The Biocontrol & Biome Sector - Industry News, Opportunities & A Future Vision

Participants

Naomi Brooker - Portfolio Director, New Ag International

Biocontrol market trends and analysis with a focus on the USA

10:10 - 10:40

The Biocontrol & Biome Sector - Industry News, Opportunities & A Future Vision

Participants

Mark Trimmer, PhD - Co Founder, Dunham Trimmer

Unlocking Opportunities: Biologicals in the Asian agricultural market

10:40 - 11:10

The Biocontrol & Biome Sector - Industry News, Opportunities & A Future Vision

Participants

Vinita Singh - Senior Manager, Agriculture Today Group

Biocontrol market insight with a focus on Latin America

11:10 - 12:10

The Biocontrol & Biome Sector - Industry News, Opportunities & A Future Vision

Participants

Maria Luiza M. P. Castro - Director, CESIS

Norberto Arias - Agronomic Engineer and Director, Agrochem Consultores S.R.L.

Understanding the opportunities in France for Biocontrol

12:10 - 12:40

The Biocontrol & Biome Sector - Industry News, Opportunities & A Future Vision

Participants

Louis Gauthier - Managing Director, Doriane

Networking Break

12:40 - 13:40

Jump starting the soil microbiome with soltellus

13:40 - 14:10

The Plant Microbiome and Food Systems

Soltellus, an aspartic acid-based polymer, enhances soil microbiome activity and subsequently increases crop yields. Polyaspartate, the key component of Soltellus, serves as a chelating agent, facilitating nutrient uptake and utilization by plants. Additionally, polyaspartate has been found to promote microbial growth and activity in the soil. Studies have shown that Soltellus application leads to an increase in microbial abundance, diversity, and enzymatic activity, particularly among microorganisms involved in nutrient cycling and plant-microbe interactions. The stimulation of the soil microbiome by Soltellus enhances nutrient availability and promotes soil health, creating a more favorable environment for plant growth. Beneficial microorganisms contribute to nutrient mineralization, organic matter decomposition, and disease suppression, ultimately leading to improved soil fertility and plant vigor. Field trials and experiments have demonstrated the positive effects of Soltellus on crop yields, with treated plants exhibiting higher biomass accumulation, increased photosynthetic activity, and improved stress tolerance compared to untreated controls.

In conclusion, Soltellus represents a promising approach to sustainable agriculture, harnessing the power of the soil microbiome to optimize nutrient cycling, enhance soil health, and ultimately increase crop yields. Further research is needed to fully understand the mechanisms underlying Soltellus's effects on the soil microbiome and its long-term implications for agricultural sustainability.

Participants

Clint Hoffman - Director of Agronomy, Lygos

Finding out the WHY behind crop responses to biologicals using transcriptomic analysis in biological product optimization and development

14:10 - 14:40

The Plant Microbiome and Food Systems

While it's an overused trope, plants are sessile creatures that must respond and adapt quickly to the stresses and opportunities of their environment. Biological products can uniquely influence these naturally occurring processes in crop plants for improved stress resistance, yield quality, plant health, disease resistance, and more. However, given the complex composition of many biological products, identifying the mechanisms through which these products elicit these responses in plants can be difficult, and efforts often result in confusing and inconsistent field and greenhouse trial results. Transcriptomic analysis, or the study of overall gene expression profiles, is a useful tool for gaining clarity and direction in the biological product development process. When strategically partnered with traditional field and greenhouse trials, transcriptomic analysis can give incredible insights into characterizing and quantifying the plants response to a biological product. This type of research approach can be used to identify candidate mode(s) of action for further study, to be used in product development and optimization, regulatory studies, and efforts to obtain intellectual property rights on novel products. This analysis can also be used to identify novel mode(s) of action, for differentiation in a crowded biological market. With the affordable cost of mRNA sequencing, and if performed with robust physiological, biochemical, statistical, and agronomic context, this analysis is a powerful tool to help develop effective biological products quickly and efficiently for agricultural crop production use.

Participants

Layne Harris - Founder, Foresight Agronomics

Fireside Chat with an industry pioneer - Where do we see opportunity in the Biocontrol market?

14:40 - 15:10

Biocontrol & Biomes: Biocontrol Scientific Innovations

Biocontrol R&D- An industry case study

15:10 - 15:40

Biocontrol & Biomes: Biocontrol Scientific Innovations

Participants

Sarah Reiter - Business Development, BioConsortia

Biocontrol R&D- An industry case study

15:40 - 16:10

Biocontrol & Biomes: Biocontrol Scientific Innovations

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Closing remarks and end of workshop

16:10 - 16:15

Biocontrol & Biomes: Biocontrol Scientific Innovations

SCHEDULE

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TIME	THE BIOCONTROL & BIOME SECTOR - INDUSTRY NEWS, OPPORTUNITIES & A FUTURE VISION	THE PLANT MICROBIOME AND FOOD SYSTEMS	BIOCONTROL & BIOMES: BIOCONTROL SCIENTIFIC INNOVATIONS
10:00	<p>10:05 - Welcome to the workshop</p> <p>10:10 - Biocontrol market trends and analysis with a focus on the USA</p> <p>10:40 - Unlocking Opportunities: Biologicals in the Asian agricultural market</p>		
11:00	<p>11:10 - Biocontrol market insight with a focus on Latin America</p>		
12:00	<p>12:10 - Understanding the opportunities in France for Biocontrol</p> <p>12:40 - Networking Break</p>	<p>12:40 - Networking Break</p>	<p>12:40 - Networking Break</p>
13:00		<p>13:40 - Jump starting the soil microbiome with soltellus</p>	
14:00		<p>14:10 - Finding out the WHY behind crop responses to biologicals using transcriptomic analysis in biological product optimization and development</p>	<p>14:40 - Fireside Chat with an industry pioneer - Where do we see opportunity in the Biocontrol market?</p>
15:00			<p>15:10 - Biocontrol R&D- An industry case study</p> <p>15:40 - Biocontrol R&D- An industry case study</p>
16:00			<p>16:10 - Closing remarks and end of workshop</p>