



SYMPOSIUM 2025 RIO DE JANEIRO
6TH-11TH APRIL BRAZIL

PROGRAMME



[HTTPS://ISAANETWORK.ORG/2025-SYMPOSIUM/](https://isaanetwork.org/2025-symposium/)

Technology we seed and Harvest Together: *Indovinya High-performance Solutions from the Labs to the Field*

Agriculture is constantly evolving, and farmers need more **tools to address the challenges** and opportunities presented by this **ever-changing landscape**. With advancements in technology, changing climate conditions, and shifting market demands, it's crucial for farmers to **access the best chemical and biological tools**. Connected to the agricultural market's needs, **Indovinya crop solutions enable customers** and growers to **improve yields** and advance towards a **more sustainable agricultural production**, from the labs to the fields.

For the **ISAA 2025 edition**, we are excited to introduce a **variety of new products and innovative digital tools** designed to help our customers address their key challenges with **sustainability and performance at the forefront**.



SURFOM® ETHOS

BIOSOLUTIONS

Solutions designed to address the challenges of delivering optimized biological products to the field, partnering with our customers to advance towards a more sustainable Crop future.

SURFOM® ULV 8

HERBICIDES UPTAKE ENHANCER



Increased deposit and droplet coverage



Reduction of potential losses by droplet rebound and less prone to drift



SURFOM® CS 8889

HERBICIDES UPTAKE ENHANCER



Novel amphoteric surfactant



Low dosage



High electrolyte resistance & A.I. compatibility

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#15**

Indispensable Chemistry





Improving the performance of crop protection solutions with specialty adjuvants and formulation additives.

We partner with agriscience companies to develop essential crop protection solutions that help farmers safeguard their crops from yield-reducing weeds, insects, and diseases. As a global specialty chemicals leader in the crop protection industry, we offer a comprehensive portfolio of adjuvants, dispersants, emulsifiers, wetting agents, and solvents designed to meet the evolving formulation needs of crop protection manufacturers. Our adjuvants and formulation aids enhance the effectiveness of herbicides, fungicides, and insecticides by minimizing drift, increasing retention and coverage, and improving rainfastness. We are committed to expanding our sustainable product offerings with biobased and biodegradable adjuvant technologies that help customers achieve their sustainability goals.

Products



Morwet®

The market-leading brand of dispersants and wetting agents.



Ethylan®

Comprehensive EO/PO block copolymer dispersants and wetting agents for every need.



Agrilan®

Versatile and robust acrylic polymers for innovative and complex formulations.



Emulpon™

Full range of ethoxylated castor oils, including Food and Feed grades.



Adsee® Flex

Innovative solutions for tank-mix adjuvants, designed to provide better efficacy in the field.

Contact us directly for detailed product information and sample request website



nouryon.com/markets/crop-protection/



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ISAA Agrochemical Network

We are thrilled to welcome you to ISAA 2025! This year's symposium brings together a distinguished lineup of industry leaders who will share cutting-edge research, breakthroughs, and innovations across pivotal themes that are shaping the future of our industry.

ISAA 2025 provides a dynamic platform to explore solutions, engage in thought-provoking technical discussions, and discover the latest advancements in the field. Along with a rich program of presentations, there will be abundant networking opportunities, collaborative sessions, and cultural excursions woven throughout the event. Set in the picturesque Windsor Barra, we hope you will take advantage of every opportunity to advance your craft and connect with industry leaders who are driving the future of agrochemicals, adjuvants, and more.



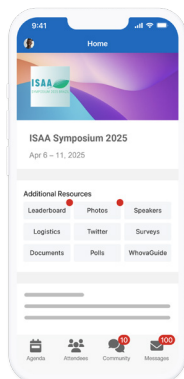
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TIME SCHEDULE

Sunday 6th of April

Trade show setup

08.00 - 22.00 **Louvre**

Registration

15.00 - 18.00 **Louvre Foyer**

Monday 7th of April

Trade show setup

08.00 - 12.00 **Louvre**

Registration

09.00 - 17.00 **Louvre Foyer**

Lunch

12.00 - 13.30 **Alvorada I/II + Itamaraty**

Presentations: Versailles

Moderator: Susan Sun

14:00-14:30 **Opening Remarks**

14:30-15:20 **Keynote: Development of Sustainable and Integrated Crop Protection Formulation Solutions**

Presenter: Hui Shao

Affiliation: Corteva

15:20-15:40 **Innovative Solutions for Addressing Challenges in Agrochemicals: Crystal Growth Inhibitor and Formulation Stability**

Presenter: Filiz Yapici

Affiliation: Levaco Chemicals GmbH

15:40-16:00 **Leverage adjuvants to reduce environmental impact of crop protection formulations**

Presenter: Paulo Dietrich

Affiliation: BASF Corporation



16:00-16:30 **Coffee Break - Louvre**

Presentations: Versailles

Moderator: Gabriela Pereira de Almeida

16:30-16:50 **Translating Adjuvant Science into Products for Growers in Brazil**

Presenter: César Silva

Affiliation: Syngenta

16:50-17:10 **Overview of Viscoelastic Properties of Leaf Surfaces/Cuticles: Response to Environmental Conditions, Aging, and Adjuvants**

Presenter: Natalia Lebedeva

Affiliation: Syngenta Crop Protection

17:10-17:30 **Artificial Neural Networks as a powerful tool to predict bioefficacy notes based on weed photosynthesis after herbicide application**

Presenter: Roberto de Oliveira Portella

Affiliation: Crop Solutions, Indorama Ventures

17:30-17:50 **A novel non-microplastic adjuvant for high performing retention and rainfastness properties**

Presenter: Ruifei Wang

Affiliation: Nouryon

18:00-19:30 **Opening Cocktail Reception - Louvre**

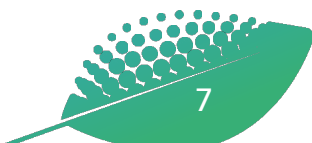
Tuesday 8th of April

Registration

09.00 - 17.00 **Louvre Foyer**

Sustainability Presentations: Versailles

Moderator: Jason Wall



08:50-09:40 **Keynote: Controlled-Environment Agriculture: Opportunities in High-Tech Food Production for the Agrochemical Industry**

Presenter: Qingwu Meng

Affiliation: University of Delaware

09:40-10:00 **Discovery Guar: A Versatile and Sustainable Technology for Agricultural**

Applications Presenter: Ana Paula Bodemeier

Affiliation: Syensqo

10:00-10:30 **Coffee Break**

10:30-10:50 **Utilizing Vegan Wax as a Microplastic-Free Additive in Agrochemical Formulations**

Presenter: Yuliang Wang

Affiliation: Innospec Inc.

10:50-11:10 **Enhancing Glufosinate Ammonium Efficacy with Novel Adjuvant**

Presenter: Ganesh Sanganwar

Affiliation: Syensqo

11:10-11:30 **Novel Biodegradable Superspreader for Agrochemical Formulations**

Presenter: Jeferson Naue

Affiliation: Momentive Performance Materials

11:30-11:50 **Foliar wetting enhancement by alkoxyated alcohol**

Presenter: Chris Pawling

Affiliation: Stepan Company, Global Technology Center

11:50-12:10 **Novel Amphoteric Adjuvant for Enhanced Herbicide Uptake and Weed Control**

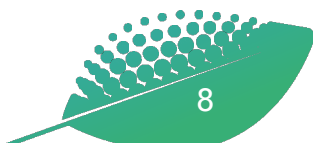
Presenter: Gabriela Almeida

Affiliation: Indorama Ventures – Indovinya

12:10-12:30 **Synergistic effects in mixtures of adjuvants and the impact of the latter on the biological effectiveness of herbicides**

Presenter: Olga Ulybina

Affiliation: Avgust Crop Protection



12:30-14:00 **Lunch** - Alvorada I/II + Itamaraty

Soil and Water Concerns

Presentations: Versailles

Moderator: Priscila Castelani

14:00-14:20 **Enhancing Soil Water Management in Irrigated Crops with a Soil Adjuvant**

Presenter: Roberto de Oliveira Portella

Affiliation: Crop Solutions, Indorama Ventures

14:20-14:40 **Optimizing Soil Moisture and Building Resilience to Water-related Challenges Using Adjuvants**

Presenter: Javier Campos

Affiliation: Clariant

14:40-15:00 **Water conditioner with the function of correcting boron deficiency for foliar application with microfertilizers based on boron ethanolamine**

Presenter: Eglė Baušienė

Affiliation: UAB Nando

15:00-15:20 **Assay for the Selection of Adjuvants for Pre-Emergent Herbicides**

Presenter: Jason Wall

Affiliation: Croda Inc.

15:20-17:30 **Poster Session I / Coffee Break** – Louvre

Posters (Odd #): isaanetwork.org/poster-session/

17:30-19:30 **Cocktail Reception sponsored by**  久研新材  SONVO 肇宇科技  Betttersize - Louvre

BETTER PARTICLE SIZE SOLUTIONS

Wednesday 9th of April

Biological Workshop

Presentations: Versailles

Moderator: Lillian Magidow



08:30-09:00 **Biological Innovation in Agriculture: Trends and market opportunities**

Presenter: Patricia Baratella

Affiliation: Corteva

09:00-09:20 **Compatibility of Co-formulants with Agricultural Biological Strains**

Presenter: Lucelena Cardoso

Affiliation: Dow Chemical Company

09:20-9:40 **Improvement of shelf life and the biological efficacy of microbes in formulations**

Presenter: Ryan Stiltoner

Affiliation: Evonik Operations GmbH

09:40-10:00 **Cutting edge nanoemulsion adjuvant technology to improve foliar applied biological formulations**

Presenter: Katharina Grundler Groterhorst

Affiliation: Clariant Brasil Ltda

10:00-10:20 **Coffee Break sponsored by Borregaard**  **Borregaard - Louvre**

10:20-10:40 **Biologicals' performance enhancers: the new generation of adjuvants to improve the performance of bioinputs**

Presenter: Poliana Cardoso-Gustavson

Affiliation: Agrivalle

10:40-11:00 **Formulating biopesticides – approaches to effective and reliable microbial formulations for agriculture**

Presenter: Juliana Siqueira

Affiliation: Croda do Brasil

11:00-11:20 **Biobased Co-formulants for Biocontrol Formulations**

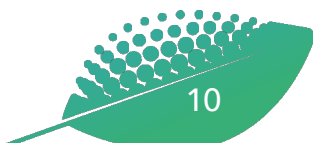
Presenter: Sumit Ganguly

Affiliation: Borregaard USA

11:20-11:40 **Enhancing versatility of oil adjuvants in terms of biocompatibility and formulability by targeted release microencapsulation**

Presenters: Peter Baur¹, Maxime Hébert²

Affiliations: CropPromotion¹, Calyxia²



11:40-12:00 **Biologicals: Innovative formulations for ease of use and shelf life extension**

Presenter: Celine Orizet

Affiliation: Syensqo RIC Paris

12:00-12:20 **Management of insect/pest of Poplar Defoliator (*Clostera cupreata*) through biological means**

Presenter: Rashmi Sehrawat

Affiliation: Department of Basic Science, Sardar Vallabh Bhai Patel University of Agriculture and Technology

12:20-13:00 **Grab and Go Lunch** - Alvorada I/II + Itamaraty

13:00-17:30 **Excursion: Christ the Redeemer** - Windsor Barra: Foyer

18:30-21:30 **ISAA Banquet** - Windsor Oceanico: Americas

Thursday 10th of April

Environmental Effects and AI, ML

Presentations: Versailles

Moderator: Bruna Burger

08:30-08:50 **AX22227 A Novel Pesticide Adjuvant to Reduce Drift and Improve Deposition and Efficacy**

Presenter: Ryan Rector

Affiliation: Adjuvants Unlimited, LLC

08:50-09:10 **Adjuvant for cotton defoliant application**

Presenter: Jason Chen

Affiliation: Stepan Asia Pte Ltd

9:10-9:30 **Design of New Adjuvants Accelerated by Machine Learning**

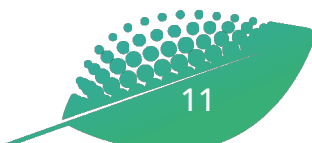
Presenter: Peter Westbye

Affiliation: Nouryon

9:30-9:50 **Special alkoxyates as label-free multifunctional components for improved bio-efficacy**

Presenter: Luciana Bodelon

Affiliation: Clariant



10:10-10:40 **Coffee Break - Louvre**

UAV Applications – I

10:40-11:00 **The effect of a rainfastness adjuvant (IPP-04) on improving the control efficacy of UAVs application pesticide against Fusarium head blight of wheat**

Presenter: Xiaojing Yan

Affiliation: Key Laboratory of Integrated Pest Management in Crops, Ministry of Agriculture, Institute of Plant Protection, Chinese Academy of Agricultural Sciences

11:00-11:20 **Evaluation of the droplet spectrum generated in drone applications using a wind tunnel**

Presenter: Ulisses R. Antuniassi

Affiliation: São Paulo State University (UNESP)

11:20-11:40 **Strategic Adjuvant Selection for Enhanced Efficacy in UAV-Based Pesticide Applications**

Presenter: Huizhu Yuan

Affiliation: Key Laboratory of Integrated Pest Management in Crops, Ministry of Agriculture, Institute of Plant Protection, Chinese Academy of Agricultural Sciences

12:30-14:00 Lunch - Alvorada I/II + Itamaraty

Formulations

Presentations: Versailles

Moderator: Danny Brown

14:00-14:20 **Evaluating Sustainable Alternatives to Nonylphenol Ethoxylates in Agricultural Formulations**

Presenter: Amir Ghayour

Affiliation: BASF Corporation

14:20-14:40 **Biodegradability as a prerequisite for sustainable agrochemical formulation**

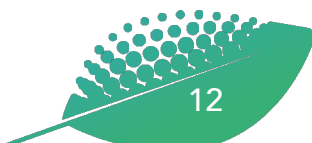
Presenter: Doris Kremzow-Graw

Affiliation: BASF SE

14:40-15:00 **Rheology modifiers for oil dispersion formulations**

Presenter: Shrikant Aherkar

Affiliation: Stepan Asia Pte Ltd



15:40-16:00 **Innovative and sustainable solvents associations for high performing fungicides**

ECs Presenter: Monique Adamy

Affiliation: Syensqo Novecare Agricultural Specialties

16:00-18:00 **Poster Session II / Coffee Break - Louvre**

Posters (Even #): isaanetwork.org/poster-session/

18:00-19:30 **Cocktail Reception - Louvre**

Friday 11th of April

UAV Applications – II

Presentations: Versailles

Moderator: Marcio Navega

8:30-8:50 **Drift reduction and aerial application**

Presenters: Mahmud Hussain, Luiz Antonio M. da Silva

Affiliation: BASF Corporation

8:50-9:10 **Improving Drone Application efficiency by increasing actives deposition and droplet coverage**

Presenter: Heloisa Gonçalves

Affiliation: Indorama Ventures – Indovinya

9:10-9:30 **Digitization and Practice of Drone Spraying System**

Presenter: James Qin

Affiliation: Jiangsu SinvoChem S&T Co, LTD.

9:30-9:50 **Evonik's Novel Adjuvants for Drone Application Technology in Agriculture**

Presenter: Rene Haensel

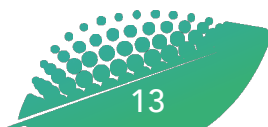
Affiliation: Evonik Operations GmbH

9:50-10:10 **Adjuvant Technology for Enhancing Drone Spray Deposition and Coverage**

Presenter: Stephanie Gießler-Geiß

Affiliation: Clariant

10:10-10:30 **Coffee Break - Louvre**



10:30-12:00 **Panel Discussion: Global Perspective: Technology and Regulatory Impact on Adjuvant Development**

Panelists: Ulisses Antuniassi¹, Jim Reiss², Jean-Marc Saurel³, Huizhi Yuan⁴

Affiliations: Sao Paulo State University¹, Chemorse², De Sangosse³, Chinese Academy of Agricultural Sciences⁴

12:00-12:15 **Final Remarks**

12:15-12:30 **Symposium Adjourns**

SPONSOR PROFILES

Diamond Sponsor:



Indovinya is a global business division of Indorama Ventures, an innovative chemical company dedicated to providing sustainable, high-value-added solutions that drive the long-term success of our customers.

As producers of solutions for Crop Solutions and other applications, we touch the lives of millions of people worldwide, fostering partnerships that prioritize their growth and success.

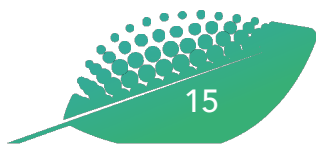
Guided by our commitment to integrity and innovative solutions, we design increasingly sustainable chemistry to address the unique needs of our customers while caring for the planet.

With a deep sense of ownership, we strive to create meaningful value for our shareholders, employees, and communities, championing sustainability in every aspect of our operations.

Nouryon

Nouryon is a global, specialty chemicals leader. Markets and consumers worldwide rely on our essential solutions to manufacture everyday products, such as personal care, cleaning goods, paints and coatings, agriculture and food, pharmaceuticals, and building products. Furthermore, the dedication of approximately 7,800 employees with a shared commitment to our customers, business growth, safety, sustainability and innovation has resulted in a consistently strong financial performance. We operate in over 80 countries around the world with a portfolio of industry-leading brands.

Partner with us to gain access to a wide range of adjuvants, dispersants, emulsifiers, wetting agents and solvents to help take your crop protection portfolio to the next level.





We create chemistry

Visit us at Booth #4

Empowering Growth

with additives by Industrial Formulators

Broad additives and adjuvants portfolio for sustainable formulations:



Bio-based products



Readily biodegradable alternatives



Label-free according to GHS



Sustainable palm kernel oil derivatives (RSPO)

Learn more about our product offering



CRODA | Agriculture

SMART SCIENCE TO IMPROVE LIVES™



Increasing yields with greater care

We deliver innovative, sustainable crop protection and seed enhancement technologies that boost yields while minimising environmental impact.

Come talk to us at stand 18 about how we are supporting the transition to regenerative agriculture.



Scan to learn more

Catch our presentations onsite:

Tue 8 April 2025, 15:00-15:20

Assay for the selection of adjuvants for **pre-emergent herbicides**

Jason Wall

Wed 9 April 2025, 10:40-11:00

Biologicals' performance enhancers: the new generation of adjuvants to improve the performance of bioinputs

Poliana Cardoso-Gustavson,
Karoline Brito de Oliveira

Wed 9 April 2025, 11:20-11:40

Formulating biopesticides – approaches to effective and reliable microbial formulations for agriculture

Raquel Tomboly, Guilherme Freitas,
Carlos Oliveira

Gold Sponsors:



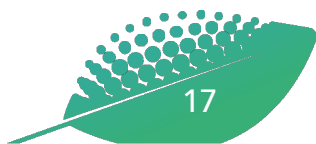
Momentive is a premier global advanced materials company with a cutting-edge focus on silicone and specialty products, delivering technologies, solutions and processes designed to propel the customer's products forward, creating a more sustainable future. Specifically for agriculture, Momentive is a global leader in agricultural adjuvants with more than 40 years of expertise in the field - the company has been at the forefront of the industry since pioneering the first organosilicone super spreader for agriculture in 1985. Today, the company offers a complete portfolio of activator adjuvants and special purpose adjuvants through its Silwet™, Agrospred™ and SAG™ brands, including spreaders, penetrants and antifoams optimized for a wide range of agricultural applications, including performance enhancement for biological products.



Clariant is a global leader in specialty chemicals, offering a broad portfolio of high-performance adjuvants and co-formulants for the agricultural industry. Leveraging advanced capabilities and application expertise, Clariant provides innovative and sustainable chemistry solutions to meet the evolving needs of modern agriculture.

Clariant Crop Solutions focuses on crop protection with technologies that enhance the performance of both conventional and biological formulations. Another focus is precision farming and sustainability, with solutions for ultra-low volume spray applications and designing fully biobased products. Recently, Clariant has been exploring solutions for plant and soil health, developing soil adjuvants and biostimulants to improve crop resilience.

With a strong commitment to sustainability, regulatory compliance, and performance-driven innovation, Clariant supports the agricultural industry in boosting production while minimizing environmental impact.



SYNERGEN™ SOIL

Enhancing agricultural inputs by optimizing water-use efficiency

BENEFITS



Optimizes soil water management

- Enhances water infiltration in the soil
- Reduces water loss



Maximizes plant health

- Improves the availability of nutrients
- Distributes the Ag inputs within the topsoil layers



Safe for soil microbiome

- Biocompatible
- Supports the biological interactions in the soil



Additional benefits

- Easy to handle
- High salt tolerance to combine with fertilizers
- Compatible with different pesticides



Want to learn more about
Synergen™ Soil?
Scan the code

Stepan

Stepan Agricultural Solutions wants to help you grow through science. To help meet ever-changing market needs, we actively seek to cultivate strategic partnerships based on creative problem solving and customized solutions. Through our global research network and geographic footprint, we can effectively meet your needs. Our industry-leading, in-house formulation expertise provides a value-added service to help solve the most difficult challenges.

Silver Sponsors:

innospec

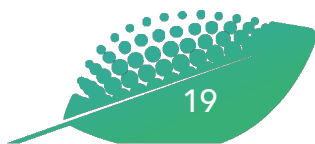
Innospec mission is to help our customers respond to the sustainability challenges with environmentally friendly technology and improved product performance. Our adjuvants, emulsifiers, specialty solvents, wetting and chelating agents are used widely in agrochemical formulations. We develop the technology that optimizes formulations for crop protection, plant nutrition, soil improvers, tank mix adjuvants, wood preservatives, and animal health. These are time tested, high quality components that ensure active

ingredients can be formulated in stable products that will spread on, stick to, wet, penetrate and protect in the most efficacious way. Our established brand names include NANSAR®, DEHSOCOFIX®, EMPILAN®, EMPIPHOS®, EMPIGEN® and the ENVIOMET® range.

CRODA | Agriculture

SMART SCIENCE TO IMPROVE LIVES™

Croda Agriculture: We provide innovative crop protection and seed enhancement technologies, enabling the agricultural community to improve agricultural yields and contribute to global food security. Our biobased and low carbon delivery systems help to improve agricultural yields whilst minimising environmental impact. We help optimise land and crop input utilisation via our adjuvants, delivery systems and seed technologies and support the transition to regenerative agriculture practices through our range of sustainable, innovative solutions.




ENABLING THE FUTURE OF AGRICULTURE NOW

Silwet 
BY MOMENTIVE

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AgroSpreD 
BY MOMENTIVE


Visit us at **booth 11**
and meet our team
of specialists!

Boost formulation
performance with the
benefits added by our
solutions in adjuvants
& antifoams

The pioneer company on organosilicone
adjuvants enhancing treatment efficacy
in the field for more than 40 years

Watch our presentation
with Dr. Jeferson Naue on
April 8th to know more
about our innovations on
superspreaders



Evonik is one of the world leaders in specialty chemicals. The company is active in more than 100 countries around the world and generated sales of €15.3 billion and an operating profit (adjusted EBITDA) of €1.66 billion in 2023. Evonik goes far beyond chemistry to create innovative, profitable and sustainable solutions for customers. More than 32,000 employees work together for a common purpose: We want to improve life today and tomorrow.



We create chemistry

At BASF, we create chemistry – and have been doing so for 150 years. The Industrial Formulators area is a leading supplier of single component raw materials, custom blends and additives for chemical and industrial processing and agrochemical formulations.

Our wide range of high-performance ingredients and dispersants can greatly help to produce and stabilize high quality dry and water-based formulations. Our biopolymers contribute to longer shelf-life, high active ingredients loading, excellent suspensibility and better efficacy in the final formulation, as well as improving your environmental footprint.



Syensqo, a specialty chemical company launched in December 2023 following Solvay's spin-off, aims to foster a world where agriculture thrives for the benefit of people and in harmony with nature. As an enabler of this transformation, it contributes to farming practices that improve resilience and adaptability. Syensqo's capabilities, over 40 years of experience, and unwavering commitment to excellence enable cutting-edge formulations that facilitate the transition to more sustainable and efficient agriculture.

Bronze Sponsors:

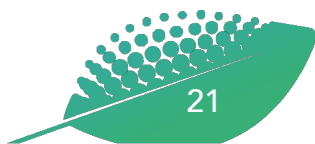


Borregaard

Borregaard operates one of the world's most advanced and sustainable biorefineries. As a world leader for lignin-based biopolymers and cellulose fibrils, we take great pride in offering the crop protection and the fertilizer industries environmentally friendly alternatives to oil- and synthetic-based chemicals.



ATA Tensoativos, established in 1986, is a leading Brazilian producer of specialty surfactants for agrochemical formulations. Renowned for our profound expertise in surfactant synthesis, we operate a cutting-edge facility capable of producing a wide range of surfactants designed to overcome the challenges of agrochemical formulations. Our commitment to excellence and agility ensures top-tier customer support,





Come

VISIT us at
BOOTH N° 13

Connecting complete solutions to the agriculture market

Stepan 
Agricultural Solutions

Growing
Through
Science



quality services, and reliable supply security. As a proud sponsor of ISAA 2025, we are dedicated to advancing agrochemical formulation technology on a global scale.



Ethox Chemicals' agricultural technology specializes in chemical products designed to boost productivity and maximize yields while being environmentally friendly. We meet modern formulation necessities with high-grade solutions, aiding in the stability and biological performance of crop protection products. Ethox also offers a complete line of inert adjuvants that enhance the properties of sprays and pesticides. A privately held company with about 190 employees, Ethox is part of the Syntha Group family of companies. Our USA-based manufacturing facility is proudly located on a 45-acre site in Greenville, South Carolina.



Ingevity offers a wide range of bio-derived specialty inert products for biologicals, crop protection and plant health. This includes dispersants, adjuvants, solvents, oils for ODs and micronutrient chelating agents. We respond to customer needs by delivering products to meet the agrochemical industry's biggest challenges and combining high-performing products with unsurpassed technical expertise.

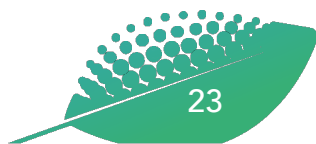


The multilevel engagement defines the design of our future path: we collaborate with Universities, Farmers' Associations, Contract Research Organizations to ensure product development according to agronomic protocols and field efficiency. We conduct ethnographic studies by monitoring how people perceive environmental change and what their expectations for the future are. This allows us to anticipate emerging trends and needs. Close collaboration with customers also plays a key role in our production.

Our portfolio includes solutions, such as surfactants and additives that improve emulsification, dispersion, compatibility and efficacy of agricultural products. Ongoing research on crop protection, nutrition and tank-mix adjuvants enriches the development of new technologies that take into account soil fertility, climate change and freshwater availability. To learn more about us, our products and our sustainability policy, please visit our website at: <https://agriculture.lamberti.com/>










Offering services in formulation, production, and support, Adjuvants Unlimited develops and produces advanced tank-mix adjuvants and inert ingredient systems for the crop protection industry.



Meeting our customers' needs BREAK-THRU®



SURFACTANT TECHNOLOGY FOR AGRICULTURE

- | | | | |
|---|--|---|-------------------|
|  | Bio protection formulants |  | Antifoams |
|  | Binders for seed treatment |  | Dispersing agents |
|  | Spreaders, penetrants and wetting agents |  | Emulsifiers |
|  | Oil enhancers | | |

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Gaylord Chemical LLC is the world's premier manufacturer of dimethyl sulfide (DMS) and dimethyl sulfoxide (DMSO). Headquartered in Covington, LA with manufacturing operations in Tuscaloosa, AL. In Crop Protection and Crop Nutrition applications, DMS and DMSO are utilized primarily in pesticide formulations and the synthesis of active ingredients. Gaylord Chemical LLC manufactures AgXalt™ X-100, the first in a line of next-generation formulation solvents designed to help producers, formulators, and farmers safely and effectively apply critical resources to farmland.

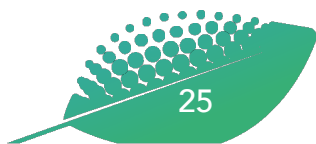


Rossari is a leading specialty chemicals manufacturer in India with a strong commitment to sustainable and eco-friendly solutions. This emphasis on sustainability has been ingrained in the brand identity since its inception and fuelled significant investments in research and development to create a range of environmentally friendly products over the years. This commitment is also what enabled us to develop a differentiated product portfolio today, catering to the divisions of Home, Personal Care and Performance Chemicals (HPPC), Textile Specialty Chemicals (TSC), and Animal Health and Nutrition (AHN). Rossari a distinguished leader in providing tailored solutions across a spectrum of industries, specializing in Home, Personal Care, and Performance Chemicals (HPPC), Textile Specialty Chemicals (TSC), and Animal Health and Nutrition (AHN), has cemented its position as a frontrunner in the specialty chemicals manufacturing sector. Today, armed with a strengthened product portfolio and a resilient operational framework, the company is embarking on a journey of geographical expansion into new territories, catering to an array of industries. The total production capacity across 7 facilities is 332,100 MTPA, which positions Rossari for sustained growth in the future. A combination of intelligent chemistry and R&D, since inception, has always been paramount for Rossari.

Contributors:



We are a Paraguayan company, leader in the supply and production of emulsifiers, adjuvants, dispersants and humectants.



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Contact:



Mick Sadoudi, Business
Development Director, Agriculture.
msadoudi@gchemglobal.com



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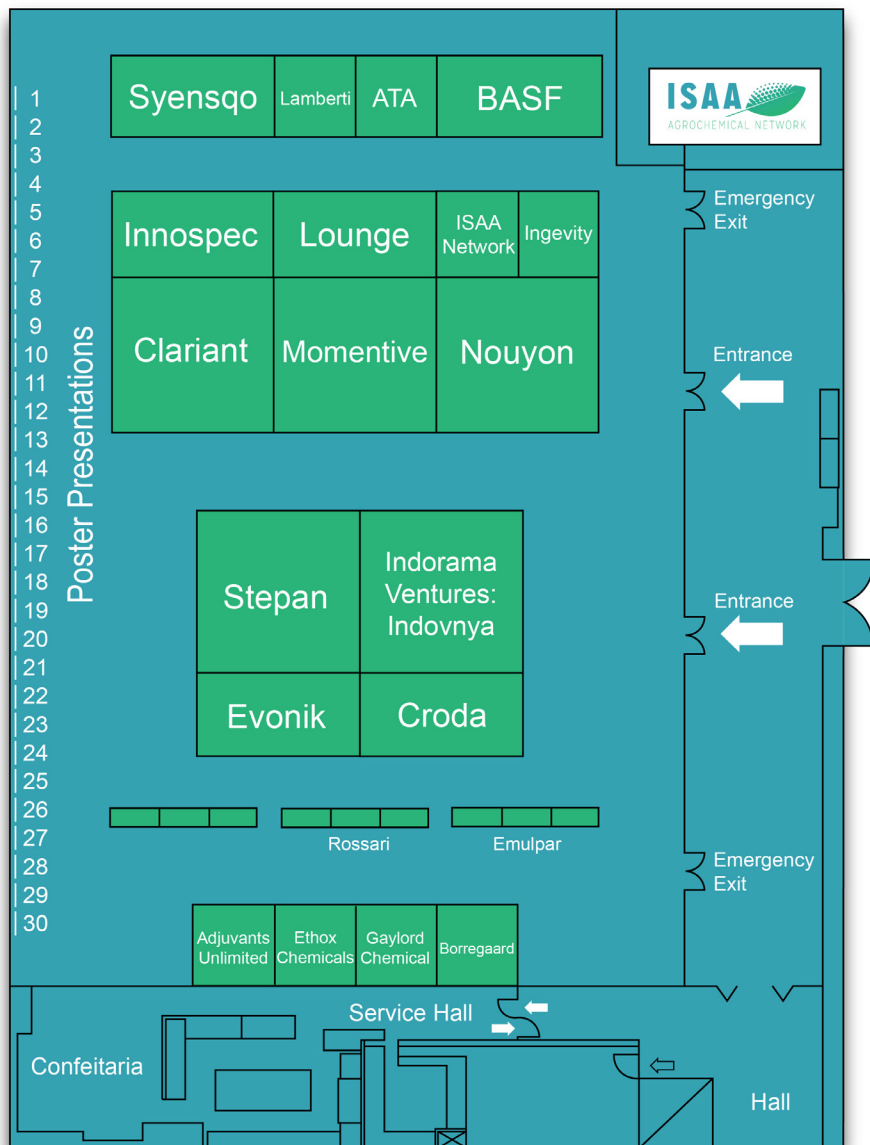
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