

Growtech Trade Mission to Türkiye

20-22 November 2024

Antalya, Türkiye



Altered Carbon

Ali Rohafza, CEO

www.altered-carbon.com



Altered Carbon's technology consists of highly sensitive digital receptors grouped together as sensor array on a microchip. It's capable of detecting millions of different gases and VOC combinations and uses AI to identify different scents. Providing a new way to detect plant health issues and track the state of post-harvest produce for the Food and Agriculture industry. The sensors utilise the properties of the wonder material graphene. This enables us to provide ultra low power capabilities, detect many different target scents and produce at scale using simple manufacturing methods. Despite a lot of hype and lab attempts by various other companies attempting to shift graphene gas sensors into market-ready products, the progress has been very limited. This makes us one of the leading companies in the world with commercially viable graphene sensors.

Concrete Canvas

Samer Hasan, Business Development Manager

www.concretcanvas.com



Created specifically for erosion control & containment applications, Concrete Canvas is a flexible, concrete filled geotextile that hardens on hydration to form a thin, durable and waterproof concrete layer. Typically, it's Concrete on a Roll™. CC offers easy storage, up to 10 times faster installation, and produces 62% less CO2 than traditional concrete. CC applications include channel lining, slope protection and containment. CC is twice as abrasion resistant as standard OPC concrete, has good weathering performance and UV resistance and was adopted across various market sectors, boasting an impressive list of satisfied project owners in locations such as Turkey, Saudi Arabia, Oman, and the United Arab Emirates. Regional projects reference list is available upon request. We are visiting Growtech to introduce our product into the agriculture market sector and judge the potential.

Croda

Cagatay Kara, Sales Executive

www.croda.co.uk

CRODA



We design and produce high performance formulation aids and adjuvants for agrochemical applications, meaning you can accomplish even the most challenging formulations. Our wide range of products cover many areas such as drift reduction technology, uptake enhancement adjuvants, superior rheology modifiers, high electrolyte solutions and advanced dispersant technology. Our products can be used across multiple agrichemical markets such as: Traditional pesticides, biopesticides, fertilisers, micronutrients, soil health, seed treatment, biostimulants, drone applications. Croda launched our Purpose: Smart science to improve lives™. Living this includes a commitment to become the most sustainable supplier of innovative ingredients, providing solutions to some of the world's biggest challenges in the coming decades through our commitment to be Climate, Land and People Positive by 2030.

Crop IQ Technology & BioIQ-TR



Ahmet Yazıcıoğlu, Managing Partner, BioIQ-TR

www.croplqtech.com | www.bioiqtr.com



"CIQ" are the leaders in the manufacturing environmentally friendly novel and conventional IPM, biostimulants and biofertilisers to develop immunity of the plant against Abiotic and Biotic stresses, to control insect pests and pathogens utilising non-toxic/low toxicity controlled release insect pheromones, attractants, natural repellents, natural/low risk insecticides. BioIQ-TR, founded in 2021, is the partner of CropIQ in Turkiye. BioIQ's objective is to be an active contributor to Turkiye's move from conventional - chemical intensive - agriculture to a more IPM based agriculture. Currently CropIQ and its partner BioIQ-TR are working on biological pest control solutions, such as attract-and-kill pheromone traps, mating disruption pheromones and biostimulant/bioactivator fertilisers and foliar feeds, tailored for different regions of Turkiye. We believe that biological control methods are extremely important in switching to a more sustainable agriculture and hence a more sustainable future. With the current population trends, we are aware of the fact that we can never have sustainable agriculture without the use of chemicals. However, we are also aware that the less chemicals we use the better for everyone, and the planet we live on.

EcoNomad Solutions

Ilan Adler, CEO & Founder

www.economad.co.uk



EcoNomad Solutions is an agritech/cleantech startup based in the UK. Our ambition is to reduce environmental impact of livestock smallholdings through animal waste-to-energy conversion on small scale. EcoNomad provides waste management solutions to smaller farmers, helping them be self-sufficient while reducing GHG emissions. Our main product, BioNomad®, is based on the principles of anaerobic digestion (AD). It enables farmers to operate in more sustainable way by processing animal waste locally, converting it into biogas for heating, electricity, milk pasteurisation, and also producing a high quality biofertilizer. We provide accessories and appliances to compliment BioNomad®'s efficiency, such as polytunnels, generators, boilers and pastuerisers. The solution is simple to install and operate (DIY), affordable, functional in colder climates and doesn't require planning permits.



Eco Spray Limited

Peter McDonald, CEO

www.ecospray.com



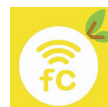
Ecospray are an independent UK based biopesticide company. We have researched, developed and registered an extract of garlic for use as a pesticide. Breaking the myth that natural pest control is inferior to conventional materials. Approved in a range of crops, both protected and in field across the world. +Efficacy against a range of nematode species +No resistance and a complex MoA +Improved soil health +Secondary effects on other pests and diseases +No phytotoxicity. Through extensive research over the last two decades, Ecospray has developed a stabilised formulation of garlic extract containing a defined fingerprint of different polysulfide molecules. It is this achievement that has enabled Nemguard to be registered as a plant protection product within the European Union as well as other territories across the world.

Extensive trials on a range of crops such as carrots, parsnips, potatoes, tomatoes, peppers, cucumbers, aubergines, courgettes and melons has demonstrated efficacy as a soil applied treatment on pathogenic nematodes.

Farmer Charlie

Betty Bonnardel, CEO

www.farmer-charlie.com



UK SME Farmer Charlie offers soil sensors for plants, herbs, vegetables, and fruit grown indoors and outdoors, making farming easy. The indoor soil sensor connects to Wi-Fi, and its lovely design will embellish any home. The outdoor sensor, equally pretty, is plug and play (4G/5G; the SIM card – valid for all UK networks – is ready to use), GPS-localised, and can be powered by a small solar panel. Both have a 3-year battery life. Our user-friendly, smart app helps anyone become a confident farmer. The sensors have been developed to be sustainable and have a casing made of British bioplastic. Once their life cycle ends, their return is free of charge. One sensor can be used by several farmers as invited by the sensor owner, making the sensor an easy tool to help farming in allotments, shared gardens, and remote locations. It will not be necessary to constantly check the best times for irrigating plants, vegetables, fruits, and herbs. Our star sensors measure soil humidity and temperature. An additional pH probe and further features are being developed. Farmer Charlie's targeted advice also saves water, fertilizer, and pesticide, reminding farmers when to water their crops when needed.

GreenBest

**Jeremy Johnson, International Sales and
Product Development**

www.greenbest.co.uk



GreenBest Ltd is a specialised fertiliser solutions company. With roots dating back to 1998, our expertise is the cornerstone of our success. It offers a unique profile of British quality made, bespoke, and branded fertilisers, predominately aimed at the Sports Turf, Horticultural and Lawncare markets. We offer a diverse range of products through our renowned brands: Velvit, SmartLawn, and Florifeed. Our bespoke services are designed to meet the customers unique needs, providing custom packaging, labels, products, and services, all with the convenience of worldwide shipping. Operating from a scenic 2-hectare site in Somerset, UK, we take pride in formulating and manufacturing outstanding products. Our accomplishments extend to our bespoke services, meticulously designed by our FACTS-qualified team to meet our customers unique requirements.

Lettus Grow

Nick Green, Head of Commercial

www.lettusgrow.com



LettUs Grow is an indoor farming technology provider based in Bristol. We design & build aeroponic technology for greenhouses & vertical farms to help make sustainable farming a sustainable business model. Our aeroponic technology allows plants to grow faster, while using less water, fertiliser & zero pesticides. All this is driven & validated by a team of plant scientists in our world leading aeroponic research centre. Our latest design, the Aeroponic Rolling Bench, allows the yield advantage of aeroponics to be harnessed on a commercial scale thanks to our unique nozzle free technology. We have validated this technology on a variety of crops and in a variety of environments, both vertical farm and naturally lit greenhouse environments. We are keen to work with forward thinking growers and construction partners throughout this region to bring aeroponics to commercial scale Controlled Environment Agriculture.



PheroSyn Ltd

Mark Herriman, Head of Sales & Corporate Development

www.pherosyn.com



PheroSyn Ltd is at the forefront of developing pheromone-based Integrated Pest Management (IPM) solutions, dedicated to advancing sustainable agriculture by reducing reliance on traditional chemical pesticides. Our pioneering products are designed to provide farmers with targeted, eco-friendly pest control methods that not only effectively manage pest populations but also substantially lower environmental impact, enhancing both crop productivity and ecosystem health. By harnessing the power of pheromones, our IPM solutions enable farmers to increase crop yields and manage pest challenges with precision, minimizing the need for broad-spectrum chemical interventions. This approach not only aligns with sustainable agricultural practices but also supports long-term soil and crop health, contributing to an agriculture system that balances productivity with environmental stewardship. As we expand PheroSyn's reach, our participation in the trade mission to Turkey aims to foster meaningful connections that will drive mutual growth and sustainable agriculture initiatives in the region.



UniKem

Payman Shafiqhi, Consultant

www.unikem.co.uk



At Unikem Ltd, we are a leading manufacturer and reliable supplier of agrochemical solutions, providing a wide range of products designed to meet the diverse needs of the global agricultural sector. Based in the United Kingdom, we specialize in offering high-quality fertilizers, plant growth regulators, pest management solutions, and other active chemical substances that empower farmers to optimize crop productivity and achieve sustainable farming practices. With a strong commitment to excellence and innovation, Unikem Ltd has built a reputation for reliability, safety, and environmental sustainability. Our products are developed under stringent quality control measures, ensuring top-tier efficacy and compliance with international standards. We continuously invest in research and development to remain at the forefront of agrochemical technologies, delivering cutting-edge solutions tailored to the evolving needs of modern agriculture.



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- opening markets, moulding the trade environment with new and existing partners which is free and fair
- using trade and investment to underpin the government's agenda for a Global Britain and its ambitions for prosperity, stability and security worldwide.

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