Fruit Fócus

SHOW GUIDE 2022



13 JULY 2022

NIAB EAST MALLING | KENT

FRUIT FORUMS SPONSORED BY NFU

NIAB RESEARCH TOURS

NROSO & BASIS POINTS PROGRAMME

GROWING KENT & MEDWAY SUSTAINABILITY HUB





















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Neither Fruit Focus nor South East Farmer magazine can accept any responsibility for the content of advertisements appearing in this programme.

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An information-packed day out

Fruit Focus returns to NIAB at East
Malling on 13 July 2022, offering the usual
exciting blend of tours, talks, networking
opportunities, trade stands and the chance
to meet colleagues old and new.

After a challenging few years for events, the Fruit Focus team is pleased to be returning with an event footprint that is back to its normal, pre-pandemic format and size. Visitors who pre-register can take advantage of everything on offer free of charge, while onsite registration costs £10.

The day's programming will include the NFU Fruit Forums, the new Growing Kent & Medway Sustainability Hub and the NIAB Research Tours as well as live demonstrations and a wide range of trade stands. The event is also eligible for BASIS & NRoSO Knowledge Trail points.

Programme highlights from the NFU Fruit Forums stage include a 10am seminar on Addressing the cost inflation challenge. With sharply rising costs across all sectors, what have businesses done to mitigate the impacts and how will future production be affected? Hear from a panel of speakers discussing the impacts for horticultural businesses and the drive to deliver cost savings and efficiency. The 11am seminar is entitled Accessing Labour through 2022 and beyond. Despite securing a commitment to a 3 year Seasonal Worker

Scheme, growers have faced the most difficult season yet. Labour shortages have reached their highest levels and decisions to release the extra 10,000 visas for horticulture have been painfully slow. Hear about the ongoing activities to secure a more stable, long term solution, and what businesses can do to ensure the tight labour market doesn't exacerbate worker exploitation risks.

The Growing Kent & Medway Sustainability Hub, a new feature at Fruit Focus 2022, will add a new networking and information-gathering opportunity to the show. The Hub will reflect Growing Kent & Medway's mission to help the food and drink industry continue to thrive by giving businesses of all sizes the opportunity to use the hub as an informal meeting space where they can connect with other businesses and research specialists. There will also be talks on sustainable innovation throughout the day.

The NIAB Research Tours will touch on the extensive work done at NIAB at East Malling including the WET Centre, Plum Demonstration, Produce Quality Centre, Research Vineyard tours and, new for 2022, Entomology research tours & tours of the GreenTech Hub for Advanced Horticulture.

We look forward to welcoming you to the event and hope that you have a wonderful day out at Fruit Focus 2022!

BioAtlantis Nature Working Naturally®

SuperFifty PRIME

SuperFifty Prime reduces abiotic stress in fruit crops affected by cold, drought, heat, salinity and waterlogging

Adverse weather events such as heat, cold, drought and excess rainfall have become more frequent and result in significant fruit yield losses, caused by the accumulation of ROS is referred to as oxidative stress, causing a decline in growth, development and productivity. Oxidative stress during reproductive growth is proven to reduce fruit-set. Oxidative stress is also one of the key reasons why crops do not achieve their genetic potential. BioAtlantis has a proven, completely natural, solution to oxidative stress - SuperFifty Prime which primes the fruit crop ahead of extreme weather events which are increasing due to climate change. In fruit production, the flower development, pollination and fertilisation stages are highly sensitive to the stress induced by extreme weather events.

Applying SuperFifty Prime prior to abiotic stress events will reduce ROS induced damage, improve fruit set and crop performance. Even in well-managed fruit production systems, crops typically only achieve 70-75% of their maximum genetic growth potential. Treatment with SuperFifty Prime increases yield by an average of 14%. This translates to an increased Return On Sustainable Investment (ROSI) for





Welcome to all visitors returning to our site at this exciting time for NIAB at East Malling

The challenges facing the fruit industry continue to rise as we face soaring costs in all areas of the production process, a diminishing number of authorised products to protect our crops, a lack of sufficient labour to harvest our crops, an ever increasing urgency to reach 'net-zero' and political instability caused by war in Eastern Europe bringing further uncertainty to the market place. Growers might be forgiven for feeling an everincreasing sense of doom, but this year's Fruit Focus offers the opportunity to learn about some exciting new developments and technology which might just provide some light at the end of this dark tunnel we find ourselves in.

There is a new vibrancy on the NIAB site at East Malling, the like of which has not been seen for several generations. The shining new developments which include modern 'state of the art' glasshouses, Total Controlled Environmental Agriculture (TCEA) growth rooms, a new winery and a Client Zone, have all been funded by the Growing Kent & Medway project, offering researchers and industry partners the chance to collaborate and develop solutions to our most pressing problems. Visitors will get the opportunity to view these for the first time at Fruit Focus 2022.

A dedicated Growing Kent & Medway stand will be bringing a brand-new Sustainability Hub to the event which will welcome businesses of all sizes to an informal meeting space to connect with other businesses and research specialists. Businesses will learn about a vast programme of work, free products and services which can support them to grow, with talks throughout the day on topics including 'Growing Green' (moving towards 'net-zero'), 'Growing Talent' (bringing new skills to the fresh produce sector) and 'Funding Innovation'.

Visitors to the event will also have the chance to see how NIAB is increasingly using its Demonstration Centres at East Malling to collaborate directly with growers and industrial partners to develop novel approaches to pest control, manage climate control and nitrogen demand in protected soft fruit crops, improve our understanding of soil health through the use of crop covers and develop modern spraying techniques to improve spray efficiency.

Fruit Focus also offers the opportunity for visitors to learn more about Malling Fruits' increasingly impressive portfolio of newly bred fruit cultivars which will help growers to improve their profitability. This year, we will be proud to launch a new early season, high quality Victoria-like plum.









Welcome from NFU

The NFU will host two seminars during the day



The NFU's involvement in Fruit Focus goes back many years, and we anticipate our relationship will continue for many years to come.

As the premier event in the fruit industry's calendar, it's an ideal place to bring you the latest news, advice and technical developments through the ever popular Fruit Forums.

The NFU will, as usual, host two seminars during the day. The first will focus on the cost inflation challenge which all businesses across the food supply chain are facing. You'll hear about the NFU's attempts to support members in passing on their costs, plus what opportunities there are for

securing government investment to drive greater efficiency.

The second session will discuss the latest situation with seasonal labour recruitment and the efforts to secure a bigger and longer term solution. We will also here about the critical importance of delivering high standards of worker welfare and how to spot the signs of exploitation.

Across the remainder of the programme there is a bit of something for everyone, whether learning about the latest technological developments, managing pest and disease, or improving yields. It's a great way to make the most of your day. We look forward to seeing you there!

NFU Fruit Forums



09:10

Benefits and possibilities of mechanical application to manual application of biological control organisms in strawberry crops

Detailed view into different application techniques of biological control organisms into strawberry crops, with focus on the financial aspects and labour intensity.

Speaker: Jasper Hubert, Senior Consultant and Pollination Coordinator - Koppert Biological Systems

09:30

Developing a new precision dosing orchard sprayer

Find out about a new orchard sprayer that has been developed to vary the dose and volume of spray applied based on tree size.

Speaker: Charles Whitfield - NIAB

09:45

Launch of a new plum variety

Learn about a new early plum variety that is being named and launched by Malling Fruits. Speaker: Will Roberts, Business Development Manager - NIAB

10:00

Addressing the cost; inflation challenge

With sharply rising costs across all sectors, what have businesses done to mitigate the impacts and how will future production be affected? Hear from a panel of speakers discussing the impacts for horticultural businesses and the drive to deliver cost savings and efficiency. Speakers: Martin Emmett, Chair - NFU Horticulture and Potatoes Board; John Giles, Divisional Director of Agri-Food - Promar International; Chris Newenham, Joint Managing Director - Wilkin and Sons; Tim Mordan, Deputy Director - DEFRA



11:00

Accessing labour through 2022 and beyond

Despite securing a commitment to a three year Seasonal Worker Scheme, growers have faced the most difficult season yet. Labour shortages have reached their highest levels and decisions to release the extra 10,000 visas for horticulture have been painfully slow. Hear about the ongoing activities to secure a more stable, long term solution, and what businesses can do to ensure the tight labour market doesn't exacerbate worker exploitation risks. Speakers: Lee Abbey, NFU Horticulture and Potatoes Chief Adviser; Simon Bowyer, CEO - Concordia UK; Paul Willgoss, Owner and Consultant at PW Food & Farming Ltd, Co-chair of Modern Slavery Intelligence Network; Martin Emmett, Chair - NFU Horticulture and

12:00

Potatoes Board

Improving localised calcium mobility, improving marketable yield and shelf-life

Plants principally take up calcium with water in the transpiration stream and it is moved via the xylem. As a result, plant tissues with high transpiration rates, such as leaves, receive more calcium. Conversely, those with low transpiration rates, such as fruit, can suffer from sub-optimal levels of calcium, despite ample availability in the soil and adjacent plant leaves. This session will discuss ways to increase localised calcium mobility and optimise calcium availability in fruit, improving quality, marketable yield and shelf life.

Speaker: Laura Bishop, Market Applications Specialist - Plant Impact (part of Croda Europe Ltd)

12:20

Reducing water and fertiliser use with biostimulants in fruit crops – the Bio4Safe Project

Find out about NIAB research to understand if commercial biostimulants can increase yields of fruit under reduced water and mineral fertiliser regimes.

Speaker: Dr Matevz Papp-Rupar, Science Project Leader - NIAB

12:30

Spotted wing drosophila – developing Sterile Insect Technique as a control method

Discover a new technique for controlling spotted wing drosophila, which will soon become a commercial reality.

Speaker: Sebastian Hemer - Berry Gardens

12:40

Re-using coir substrate – the Horti-Blue C project

Learn about NIAB research to recycle green waste and re-use coir substrates for soft fruit crops.

Speaker: Dr Matevz Papp-Rupar, Science Project Leader - NIAB

13:00

Ozone Nano bubble technology and the agronomic effects of root zone temperature

A short discussion on application and problem solving using the Ozone Nano Bubble technology followed by a seminar on root temperatures influence on all parameters of the plant's physiology. An optimum Root Zone Temperature (RZT) range is essential for a plant's robust growth, productivity, and quality. Speakers: Uzi Dagan, Chief Scientist, Roots - Sustainable Agriculture Technologies Ltd; Tomer Kniznik, Managing Director - Sustainable Agriculture Provider Ltd

13:20

Future disease, pest and residue management in fruit

Speakers: James Howell, Roots & Horticulture Market Development Representative; Richard Prankerd, Commercial Technical Manager - Bayer; Jack Hill, Roots and Horticulture Commercial Manager, UK - Bayer









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13:40

Host plant defence and its place in a crop protection programme

Growers are facing increasing pressures from chemical restrictions such as, achieving a set number of residues or dealing with harvest intervals. This session will focus on the use of the plant defence elicitor, Romeo, in a disease management programme. Areas of focus will include, the biology of host plant defence inducers, how to integrate plant defence elicitors in to your IPM programme and key factors to take in to account during and after application.

Speaker: Ant Surrage, Technical Development Specialist - Fargro

14:00

From British Summer Fruits to British Berry Growers

The UK berry growing industry and the work of its industry body British Summer Fruits has been a great success story for decades, growing demand far above the overall fruit category growth, and satisfying that demand with near 100% home grown supply. Our growers now face unprecedented challenges that threaten their and the industries very existence. Nick Marston will talk about what the repurposed industry body is doing to address this massive challenge and to ensure the industries long term sustainability. Speaker: Nicholas Marston, Chairman - British Berry Growers







CPD points

BASIS Professional Register members will have the opportunity to collect BASIS CPD points at Fruit Focus. To collect their points, members should head to the BASIS stand, pick up a Knowledge Trail card and follow the card instructions for points.

The National Register of Sprayer Operators (NRoSO) was formed in 2003. The scheme has in excess of 20,000 members and has evolved to offer many benefits. To collect their points, members should head to the NRoSO stand, pick up a Knowledge Trail card and follow the card instructions for points.

14:40

Al based mobile phone application for the monitoring of insects

Having won two Queens awards for innovation, Russell IPM and Russell Bio Solutions are pleased to introduce Russell IOT. Russell IOT will be introducing the beta version of TruePest, a new AI mobile phone application for the monitoring and counting of insects.

Speaker: Rachel Turner, Scientific Officer, Entomology - Russell IPM

15:00

Addressing labour shortages with automation

People are fundamental to the operation of modern soft fruit farms. They are a precious resource and valued. The problem is that fruit growers can't recruit enough people to meet their needs. This session will tackle this problem with a discussion of smart autonomous robots intended to make the human workforce more productive. Speaker: Ed Herbert, Founder & COO - Dogtooth

15:40

Simple season extension to full winter production

Strawberry growers in the UK are offering year round cropping through the use of LED lighting. This presentation centres around how LED lighting can be used in a number of different scenarios from simple season extension all the way through to full winter production. Based on recent projects in the Netherlands, this session will cover the benefits to growers, how the technology is maturing, the latest in spectrum development and typical yield values.

Speaker: Nathanael Dannenberg, Commercial Director Horticulture - Signify



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Visit us at Fruit Focus: Stand 224

Quality crop nutrition

ICL is a global leader in soft fruit nutrition and has over 30 years' experience in the soft fruit industry. Everything they do is focused on making crops grow better.

They offer expert advice and innovative solutions including controlled release nutrition, water conservation agents and water-solubles for drip irrigation.

CONTROLLED RELEASE FERTILISERS

Controlled release fertilisers provide efficient crop nutrition that closely matches the growth requirements of the plant, using temperature-activated technology and leading to less leaching during rainfall or irrigation. Talk to ICL about Agroblen, the controlled release NPK fertiliser that is ideal for application in soft and top fruit.

AGROLUTION SPECIAL – THE ALL-IN-ONE FERTILISER SOLUTION

Agrolution Special is widely known for its high magnesium and calcium analyses and is made from the purest ingredients with chelated trace elements.

H2FLO – MAKE EVERY DROP COUNT

Water efficiency is an increasing challenge in many fruit crops. ICL's water conservation agent makes every drop count.

NOVA - FULL RANGE OF STRAIGHTS

Nova water-soluble straights are of unrivaled quality and are highly soluble. Nova PeKacid can prevent clogging in driplines and is ideal for systems when recycling water.





HortiHydrate Bio The Sustainable Wetting Agent



Game-changing wetting agent

Hortifeeds are excited to be exhibiting at Fruit Focus again and look forward to welcoming existing and new customers to the stand to discuss their extensive range of fertilisers and biostimulants.

The Hortifeeds team is also delighted to be welcoming Laura Bishop from Plant Impact to the stand.

Laura will be giving a presentation in the fruit forum on CaTTM Technology used in their calcium mobility product AmētrosTM. She will be available for questions at the Hortifeeds stand during the rest of the day.

We are also excited to be launching the gamechanging new wetting agent HortiHydrate Bio, which provides excellent surfactant performance using sustainable ingredients. Standard synthetic wetting agents are produced from the oil industry, making them unsustainable. Although yucca extracts are used as more environmentally friendly wetting agents, the efficacy of these products is routinely much lower than the synthetic alternatives.

HortiHydrate Bio has been formulated by leading surfactant experts from a unique blend of sustainable ingredients. This environmentally friendly product boasts equivalent performance to standard synthetic surfactants, representing a vast improvement over products that are currently available. HortiHydrate Bio is approved for use in organic growing systems by The Soil Association. We believe it is: "Better for plants, better for the planet!"



www.hortifeeds.co.uk

Bayer set to launch new insecticide and fungicide

Bayer is pushing ahead with plans to launch a new fungicide for use in apple and pear orchards while continuing to gather the data needed to support authorisation of a new insecticide for use in a range of fruit crops.

The new fungicide contains fluopyram and fosetyl-aluminium, the latter being a form of potassium phosphonate that has been shown to extend protection via a pro-biotic trigger of the plant's immune system.

The product is already approved in Europe, where it has become the basis for control of apple scab (Venturia inaequalis)

and pear scab (Venturia pirina) as well as showing activity on powdery mildew. Bayer will be making an application for market authorisation in 2022.

The new insecticide contains flupyradifurone (Group 4D), a new mode of action with no known cross resistance. Target pests include aphids. Crops applied for include apples, beans and peas, potatoes and carrots.

www.cropscience.bayer.co.uk



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Best machinery for fruit industry

ArborAgri are proud to distribute what can be described as "market leading machinery for the fruit industry". Their main suppliers are all specialists in their field and their designs have stood the test of time.

CIMA have been at the forefront of sprayer technology for years with their Venturi low volume sprayers. Their pioneering design offers exceptional coverage using less water, as well as being very operator friendly. Recent introductions include the DOSA anti drift system and the EPA 2 GPS and application/ speed control.

Seppi have been the "go to" brand for all mulching mowers and stone crushers from 20hp to 500hp for years. Exceptional strength and durability, together with replaceable wear plates, allow the machines to have a long and productive life.

Fischer are a highly regarded manufacturer of rotary mower and under canopy equipment. There is a mower for everyone in their range. Quality is paramount. The recent introduction of their Tornado nylon cord, in row mower opens a massive market for under canopy maintenance where chemicals are no longer allowed or used.





projar Inspiring Green Technology **EXPERTS IN SOILLESS TECHNOLOGY** FOR SOFT FRUITS ONE SUPPLIER, ALL THE SOLUTIONS www.projarinternational.com

Different solutions for soilless cultivation

Projar is a company with almost 40 years of professional experience which specialises in solutions for soilless cultivation of soft fruits, vegetables, fruit trees, cannabis and ornamentals. The company has its own factories in Almeria, Sri Lanka and India, where it obtains raw material with all the quality controls. Their experience in logistics allows them to get to the customer's home/workplace, always being close to them.

In their product catalogue they highlight the different solutions for soilless cultivation. Firstly, Grow Bags, a coir fibre base in different compositions and with the possibility of adapting the design according to needs, adding holes for planting, drainage, etc.

Easyplanters are individual growing bags with various compositions of coir fibre which are easy to use, optimise space and protect the crop from pathogens. Also we have coir blocks to personalise the mixture and create unique products.

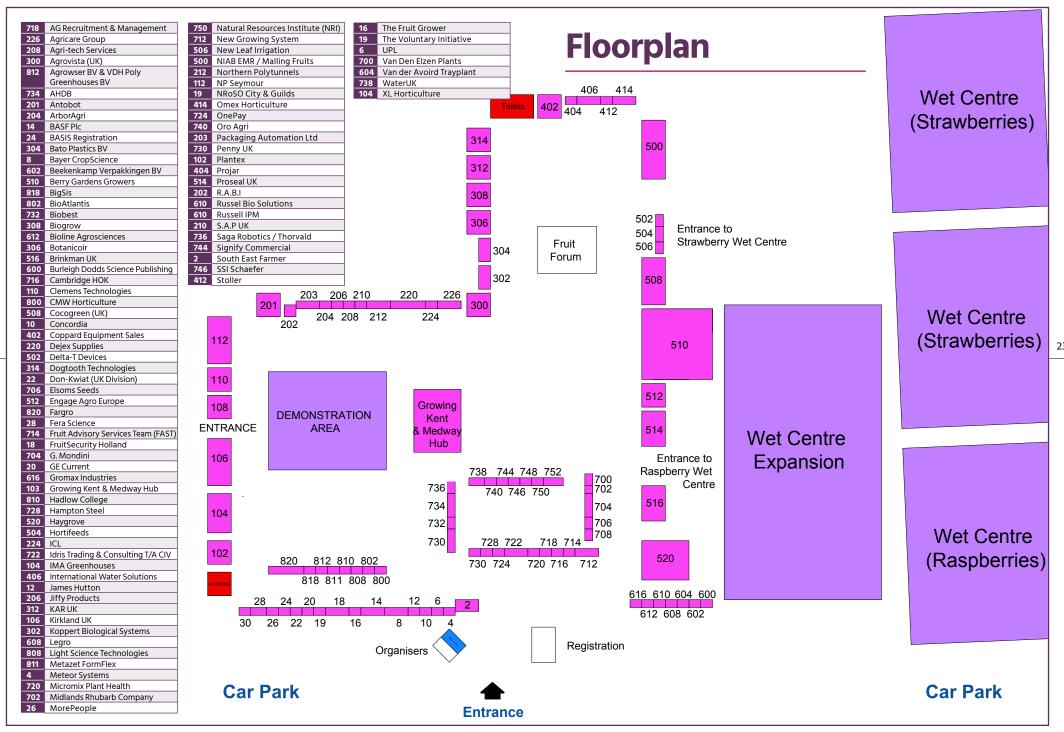
Projar also makes made-to-measure substrates depending on the type of crop, with mixtures of coir fibre, different peats, perlite and other elements. On the other hand, our offer of pots, trays and other agroinputs is extensive, allowing customised designs for different crops. Finally, Projar offers a specialised consultancy service, AGRO+, to accompany the grower and help him or her in the installation and monitoring of the crop and results.

www.projarint

www.projar international.com









Reducing abiotic stress in fruit crops

Adverse weather events such as heat, cold, drought and excess rainfall have become more frequent and result in significant fruit yield losses caused by the accumulation of reactive oxygen species (ROS). This harmful accumulation of ROS is referred to as oxidative stress, causing a decline in growth, development and productivity. Oxidative stress during reproductive growth is proven to reduce fruit-set and is one of the key reasons why crops do not achieve their genetic potential.

BioAtlantis has a proven, completely natural, solution to oxidative stress in SuperFifty Prime, which primes the fruit crop ahead of the increasing number of extreme weather events caused by climate change.

In fruit production, the flower development, pollination and fertilisation stages are highly sensitive to the stress induced by extreme weather events. Applying SuperFifty Prime prior to abiotic stress events will reduce ROS induced damage and improve fruit set and crop performance.

Even in well-managed fruit production systems, crops typically only achieve 70% to 75% of their maximum genetic growth potential. Treatment with SuperFifty Prime increases yield by an average of 14%. This translates to an increased Return On Sustainable Investment (ROSI) for the crop grower of 3:1.



Season-long, chemical-free SWD control

A novel control option for spottedwing drosophila (SWD) offers up to 91% reduction in target pest numbers, with English berry and cherry growers set to be the first in the world to use it when it launches in 2023.

British agritech start-up BigSis is inviting Fruit Focus attendees to register their interest in its chemical-free solution, which uses factory-reared sterile male insects to prevent SWD populations from ever reaching economically significant levels in the crop.

"Sterile insect technique (SIT) is wellestablished," said BigSis founder Glen Slade, "but it's been too expensive and impractical to use at field scale. Our non-GM, automated rearing has slashed the cost by around 90%, putting season-long, chemical-free SWD control within the reach of every fruit grower.

"Successful field trials with Berry Gardens and NIAB-EMR have proved its efficacy. As we scale up production, we will launch over a limited number of hectares in 2023."

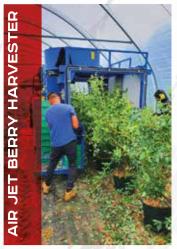
BigSis will offer its season-long SWD control service directly and through accredited partners. Customers receive regular releases of sterile male insects into their crops, providing more effective and sustainable control than chemicals without imposing additional demands on farm labour.







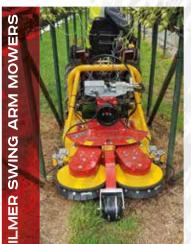
AGBOT DRIVERLESS SPRAYER







SUPPORTING BRITISH GROWERS WITH OUR SPECIALIST MACHINERY









Must-have tractors

With labour shortages being a constant battle for UK growers, Kirkland UK has researched and sourced incredible machinery solutions for this ongoing issue. On show will be the Air-jet Berry Harvester, which is ideal for blueberries, raspberries, blackberries and blackcurrants. This innovative machine harvests soft fruits by air pulsations, allowing harvesting without damaging plants or berries.

Philip Mann at Bedstone Growers shares his thought on the Air-jet: "It has far surpassed our expectations and harvest quality of the fruit is very similar compared to hand pick. We estimate it has replaced 35 hand picking

members of staff and we only require four operatives for the harvester, one driver, two changing crates and one taking fruit back to the cold store."

Launching at Fruit Focus will be the new Mach 4 Tony and Tony 8900 V. Built with ultra-compact hybrid hydrostatic mechanical transmission and a minimum width of just 100cm, these are the must-have tractors for fruit growers.

The Kirkland team will also be available to discuss the UK's first ever driverless sprayer. Launching late this summer, the AgBot can save up to 80% on labour costs and a third saving on fuel compared with a tractor.

Contact Kirkland on 01622 843013 or email info@kirklanduk.com





Huge range of courses

Whether you are joining from school or looking to change career, Hadlow College offers a huge range of courses covering agriculture (livestock, arable, fruit and vegetables), horticulture (glasshouse production, fruit and vegetables, viticulture, greenkeeping and ornamental production), gardening, agricultural engineering, aquaculture and fisheries management, equestrian studies, animal management, land and wildlife management and floristry.

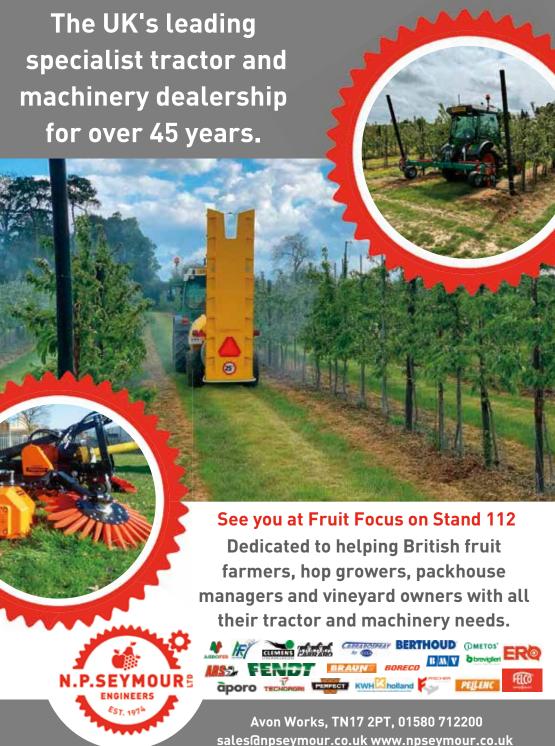
The college has a proud heritage within the rural sector and its main aim is to make all students feel welcome and secure in what is a fantastic learning environment as they gain the skills they require for a successful land-based career.

The college has excellent resources, including a working beef farm (as well as links with local dairy farms), sheep unit, arable crops, glasshouses, fruit production, Broadview Gardens and Garden Centre, animal collection, fisheries (lakes and hatchery) and stables both at the Hadlow main site and at Greenwich Equestrian Skills and Riding Centre

Greenwich Equestrian Centre also boasts an equine therapy centre which is one of the few available in the South East. All full-time courses and apprenticeships include a significant amount of work experience that is carried out in a work place to develop the skills and knowledge related to the sector and provide excellent opportunities for the industry to raise the profile of the sector.







Mechanical in-row weeding solution

The UK's leading specialist tractor and machinery dealership, NP Seymour, will be showcasing the latest mechanical in-row weeding solution for orchards.

Visitors to the show will be able to see the new Perfect Terra Ranger, which is thought to be the first mechanical orchard weeder capable of working under the tree and in the row, at speeds of up to 15 km/h.

The Terra Ranger is specifically designed for orchards and combines a finger weeder with two counter-cutting tillers to remove unwanted vegetation on both sides of the alley.

Claire Seymour, director at NP Seymour said: "We are very much looking forward to seeing you all at Fruit Focus. We are hoping to carry out some orchard trials with Perfect's new Terra Ranger in a Kent orchard after the show and are eager to see first-hand the results it produces."

The Kent-based dealership will also be displaying a range of machines suitable for top and soft fruit growers including a new Gen3 Fendt 210 F Vario, a Clemens SB Orchard, a Fischer GL4 mower, and the KWH variable rate orchard sprayer which will also be featured in the Innovate UK PODS demonstration at the show.





UK's leading supplier of biological crop protection

Fargro is respected as the UK's leading supplier of biological crop protection and integrated pest management (IPM) products for horticulture. We understand IPM and are focused on offering the best controls to suit your business.

Our experts have been leading the way in providing the most effective modern methods against protecting pests and disease in a sustainable way with minimal environmental impact.

We offer

- Customer specific IPM programmes
- Full product technical support
- Agronomy advice

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Protecting against pests and diseases

Fargro is respected as the UK's leading supplier of biological crop protection and integrated pest management (IPM) products for horticulture. They understand IPM and are focused on offering the best controls to suit your requirements.

A healthy growing business must maximise its yield. For many years Fargro experts have been leading the way in providing the most effective modern methods of protecting against pests and diseases in a sustainable way with minimal environmental impact. They pride themselves on being able to offer tailored customer specific IPM programmes, full product technical support and agronomy advice.

Growing businesses need support. Whether that means quick delivery of the highest quality and most reliable products, materials and equipment, helping you to protect your crop from pests and diseases or access to flexible financial solutions, Fargro can support you. With more than 75 years' experience of supporting growers, they have developed deep knowledge and expertise.

The product offering includes exclusive biofungicides such as Taegro and Romeo. Fargro's range of solutions encompasses three main areas of concern for businesses in the horticulture sector: crop health, sustainability and productivity.



NIAB Research Tours

The scope of research at NIAB at East Malling is hugely impressive from new varieties through to pest control and water efficiency. The NIAB Research Tours showcase this research and development throughout the day. Please note that all tours will depart from the signed tour departure area near the entrance to the WET Centre.

GREENTECH HUB FOR ADVANCED HORTICULTURE

The GreenTech Hub for Advanced Horticulture is a new state-of-the-art research facility for the horticulture and viticulture industry. It includes almost 2,000m² of specialist glasshouses, 14 modern polytunnels, growth rooms and cold rooms. A Wine Innovation Centre and Research Winery will also be available. The Hub will help find solutions to some of the most pressing issues facing growers and food producers. From developing more sustainable crop production systems, to reducing waste and implementing efficient use of resources including water, nutrients and light. By incorporating technology used by the most advanced commercial growers, the scientists at NIAB will be able to accurately demonstrate solutions the industry can adopt.

Funded by Growing Kent & Medway, from the UKRI Strength in Places fund, the East Malling Trust, and Local Growth Funds from Kent County Council.

ENTOMOLOGY RESEARCH

NIAB scientists at East Malling are constantly seeking to harness biodiversity and novel technology to support crop protection and fruit quality through pollination. Join this tour to learn about new developments in capsid control using a pheromone 'push-pull' approach in soft fruit crops, resulting in a

new commercial product which has been demonstrated to reduce capsid numbers and damage in crops. Learn also about an AHDB project using floral margins to support natural enemies of aphids and other pests and an EU funded research project called 'Beespoke-NSR', which aims to tailor perennial flower mixes to support both the diversity of insect pollinators and crop yields. You will also find out about a new 'FIT Count app' for surveying pollinators on crops and wild flowers.

WET CENTRE

The WET Centre was established at East Malling in 2016 with the aim of demonstrating water efficient technology (WET), water use efficiency and modern growing systems in strawberry and soft fruit production. Funded by technology companies including Netafim, Delta-T, Cocogreen, Stoller, Yara, Berry Gardens and Hutchinsons, the purpose and use of the centre has evolved to investigate rainwater harvesting and re-use, substrate mixes and bag colour, crop microclimate, venting systems, nitrogen demand models and predictive models to improve crop forecasting. Join us on this tour to learn more about our 2022 work programme and what we have learnt so far.

PLUM DEMONSTRATION CENTRE

Previously supported by the AHDB, The Plum Demonstration Centre is now funded directly by the principal UK commercial plum growers and marketing groups who are leading and directing the work programme in collaboration with the Crop Science and Production Systems team at East Malling. Join us on this tour to learn more about the ongoing work, to view the trees of the new early plum variety P7-38 which is being launched at Fruit Focus and see the plum variety trial which is in its first full cropping season. Also included on this tour will be a demonstration of a new precision orchard

spray application system that has been developed by NIAB scientists working with NP Seymour and several other industry partners.

RESEARCH VINEYARD TOUR

The Research Vineyard at East Malling is funded by the principal UK vine growers to develop research and development for a burgeoning UK vine industry. Established in 2016, NIAB research scientists have been testing and demonstrating training systems, rootstocks and varieties, mechanical weed control, fertigation and frost mitigation systems. With Growing Kent & Medway funding, a brand new winery has also been built and this will allow vineyard research to follow through to the wine making process so that we better understand the effects of production systems on final wine quality. Join us on this tour to learn more about our recent research into weed control and a new project which will investigate the use of crop covers

and soil health.

PRODUCE QUALITY CENTRE TOURS

Come and visit the Produce Quality
Centre and learn about some of the latest
innovations in fruit handling and storage. The
technologies on-show have been developed
with funding from Innovate, AHDB and our
industry partners, including Storage Control
Systems Ltd, JD Cooling Ltd, Ozone Industries
Ltd, as well as many grower partners.

The tour will include:

- An explanation of how monitoring produce response to storage environments enables us to optimise packaging solutions and to tailor storage atmospheres for both short and long-term storage.
- A demonstration of the advantages of gaseous ozone treatment within retail packs and an introduction to an on-going project to optimise in-field cooling of soft-fruit.

Research Tour Schedule	Timing
WET Centre	10:00
Entomology Research	10:30
Plum Demonstration	11:00
GreenTech Hub for Advanced Horticulture	11:00
Produce Quality Centre	11:30
WET Centre	12:00
Research Vineyard	12:00
GreenTech Hub for Advanced Horticulture tours	14:00
WET Centre	14:00
Entomology Research	14:30
Produce Quality Centre	15:00







Sustainability Programme

Growing Kent & Medway's mission is to invest in innovative, sustainable ideas to help the food and drink industry continue to thrive. At this year's Fruit Focus, they will be bringing a brand new networking and information-gathering hub.

Businesses of all sizes will be welcome to use the hub as an informal meeting space to connect with other businesses and research specialists.

09:40

Accelerating sustainable food and drink innovation

Growing Kent & Medway's Programme Director, Nikki Harrison, will share her plans for the enterprise cluster and the benefit to the food and drink supply chain.

Speaker: Nikki Harrison, Programme Director -Growing Kent & Medway

10:00

Fast-tracking your food idea to market

Are you interested in scaling-up your business or do you have a new product or service you would like to take to market?

Speakers: Valerie Pondaven, Accelerator Manager, Growing Kent & Medway - University of Greenwich; Parag Acharya, Senior Fellow in Food Innovation, Innovation Growth Manager, Growing Kent & Medway Cluster - University of Greenwich

10:30

Innovation Showcase: Sustainable Agritech Startups

Dr George Crane, NIAB, introduces five new inspiring startups operating in the agrifood and technology sector. Each business is focused on sustainability and will share how their innovations are revolutionising horticultural production. You will hear from:

• Antobot: Developing Al-driven autonomous robotics at an affordable price.

- Petiole: An agri-tech company developing solutions for plant phenotyping with a smartphone.
- Lambda Energy: Developing spectral converters to boost power outputs from solar panels and increasing biomass yield in areenhouses.
- Airponix: Sustainable aeroponic agricultural system.
- Seeds of Colour: Creating yegan beauty products from high-value plant compounds.

The businesses are currently all members of NIAB's Barn4 and Eastern AgriTech Innovation Hub agritech incubators.

Speaker: George Crane, Lead Project Manager - NIAB

11:00

Join us for a tour of the new GreenTech Hub for Advanced Horticulture

11:45

Consultation on a skills strategy for the fresh produce sector

A new draft strategy to address the skills needs of the horticulture and food sector has been published by Growing Kent & Medway and is now open for consultation. Steve Matthews, Growing Kent and Medway, who researched the issues with sector companies and developed the proposal, will present the Workforce 2030 strategy.

Speaker: Steve Matthews - Locate in Kent

13:30

Getting the right support for your business

Mentoring has the ability to transform both businesses and the people working in them through providing support and sharing

Speaker: Rebecca Smith, External Engagement Manager - University of Kent

14:00

Growing Green: Moving fresh produce businesses towards net zero

Funded by the Government's Community Renewal Fund, forty horticultural food and drink businesses are currently on a journey towards net zero thanks to a pilot training programme, Growing Green. Robert Saville will share some of the common challenges facing the fruit sector and share some innovative approaches these businesses are taking to tackle them.

Speaker: Robert Saville, Innovation Growth Manager - Growing Kent & Medway

14:00

Join us for a tour of the new GreenTech **Hub for Advanced Horticulture**

14:30

Funding Innovation: Grant opportunities for horticulture

Growing Kent & Medway Innovation Hub Accessing funding for investment in technical research can be challenging, but collaboration between industry and academia is critical to drive innovation in the sector.

Speaker: Nikki Harrison, Programme Director -Growing Kent & Medway

15:30

Growing Talent: Bringing new skills to the fresh produce sector

The route into fresh produce is not always obvious, and those considering it at a career crossroads may be reluctant to start over and spend time working their way up. Speaker: Sapphira Waterston, COO -Management Development Services (MDS)







23rd November 2022

Kent Event Centre, Detling, Maidstone, Kent ME14 3JF

SEMINARS | WINE TASTING MEET INDUSTRY ADVISORS



The Vineyard & Winery Show is an unmissable event for anyone working in viticulture in the UK and abroad.

The Vineyard & Winery Show will provide vineyard owners, winemakers and growers with a fantastic opportunity to keep up to date with the latest technology, meet with suppliers & allied trades that are supporting the industry as well as having the chance to network with key players in the UK wine marketplace.

FREE TO ALL ATTENDEES

You will be able to meet with industry experts, learn about new technology and view demonstrations of the latest machinery. Come and taste some of the UK's best wines - up to 100 different UK producers are making their wines available for tasting on the day.

FREE SEMINARS & WORKSHOPS

Giving you the chance to learn from industry leaders and hear about how they built their businesses. Expert speakers will cover viticulture, winemaking and marketing topics.

Register for your free ticket to attend at www.vineyardshow.com







Speakers



Lee Abbey NFU Horticulture and Potatoes Chief Adviser



Parag Acharya
Senior Fellow in Food Innovation,
Innovation Growth Manager, Growing
Kent & Medway Cluster, University of
Greenwich



Laura Bishop Market Applications Specialist, Plant Impact (part of Croda Europe Ltd)



Simon Bowyer CEO, Concordia UK



Claire Carvell Ecologist, UK Centre for Ecology & Hydrology



Richard Colgan
Produce Quality Centre, NRI,
University of Greenwich



George Crane Lead Project Manager, NIAB



Uzi Dagan Chief Scientist, Roots, Sustainable Agriculture Technologies Ltd



Nathanael Dannenberg
Commercial Director Horticulture,
Signify



Mike Davies NIAB EMR



Emma Easton Head of NIAB Glasshouse facilities, NIAB



Dr Mark ElseHead of Crop Science and Production
Systems, NIAB EMR



Martin Emmett
Chair, NFU Horticulture and Potatoes
Board



John Giles
Divisional Director of Agri-Food,
Promar International



Nikki Harrison Programme Director, Growing Kent & Medway



Sebastian Hemer Berry Gardens



Ed Herbert Founder & COO, Dogtooth



Jack Hill
Roots and Horticulture Commercial
Manager, UK, Bayer



James Howell
Roots & Horticulture Market
Development Representative



Jasper Hubert Senior Consultant and Pollination Coordinator, Koppert Biological Systems



Tomer Kniznik
Managing Director, Sustainable
Agriculture Provider Ltd



Nicholas Marston Chairman, British Berry Growers



Steve Matthews Locate in Kent



Tim Mordan Deputy Director, DEFRA



Chris NewenhamJoint Managing Director, Wilkin
and Sons



Flora O'BrienSpecialist in Root Biology, NIAB EMR



Dr Matevz Papp-Rupar Science Project Leader, NIAB EMR



Valerie Pondaven
Accelerator Manager, Growing Kent &
Medway, University of Greenwich



Richard Prankerd Commercial Technical Manager, Bayer



Scott Raffle
Senior Knowledge Exchange Manager
East Malling, NIAB EMR



Dr Debbie ReesResearcher on handling and storage of perishable produce, Natural Resources
Institute, University of Greenwich



Will Roberts
Business Development Manager,
NIAB EMR



Clare Sampson Technical Director, Russell IPM



Robert Saville Innovation Growth Manager, Growing



Celine Silva NIAB EMR



Rebecca SmithExternal Engagement Manager,
University of Kent



Ant Surrage
Technical Development Specialist,
Fargro



Rachel Turner
Scientific Officer, Entomology, Russell
IPM



Adam Walker NIAB EMR



Sapphira Waterston
COO, Management Development
Services (MDS)



Charles Whitfield NIAB EMR



Trevor Wignall
Technical Research, NIAB EMR



Paul Willgoss
Owner and Consultant at PW Food
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Exhibitors

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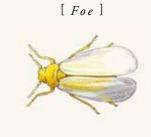




The bio-insecticide that knows **FRIEND** from **FOE** on the farm

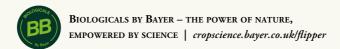


Mealybug Destroyer (Cryptolaemus montrouzieri)



Whitefly (Bemisia tabaci)

FLiPPER, a new biological insecticide* with a considerate side. + Derived from natural and sustainable sources, FLiPPER is ruthlessly effective at smiting mites, making aphids livid, telling leafhoppers to hop it and saying so long to psylla. + But it's also remarkably protective, ensuring beneficial insects and pollinators such as bees, wasps and predatory insects are safe from harm on the farm.** + As well as recognising friend from foe, FLiPPER is perfectly compatible with integrated spray programmes that incorporate conventional crop chemistry and is exempt from Maximum Residue Levels, which are benefits every farmer can identify with.



*Registered for use in strawberries, cucumbers and tomatoes. EAMUs in selected field vegetables, leafy vegetables, herbs, tree fruit and soft fruit grown outdoors and under protection. **When an established population of beneficial organisms is already present at the time of application, FLiPPER applied at standard rates does not cause unacceptable reduction to beneficial insect populations. Data source: FLiPPER Selectivity Study at IPM Impact Nederhespen, Belgium 2014. Two-spotted spider mite, Aphid, Whitefly (on label) and Leafhopper and Thrips (EAMU). FLiPPER contains fatty acids C7-C20. FLiPPER is a registered Trade Mark of AlphaBioPesticides Limited. Use plant protection products safely. Always read the label and product information before use. Pay attention to the risk indications and follow the safety precautions on the label. For further information, including contact details, visit www.cropscience. baver.co.uk or call 0808 1969522. © Baver CropScience Limited 2022.

