

# Wednesday 23<sup>rd</sup>

9:00 am

## **Veteran Trees & The Biodiversity Benefits They Bring to Your farm – Come & See in Practice How to Manage Them**

**Emma Gilmartin & Louise Hackett**

9:00am - 10:00am Car Park

### DEMONSTRATION

Join a practical walk-out session to discover what ancient and veteran trees are and why they're so special. You will learn how to care for trees and the land around them. These best practice principles apply whether you own ancient or veteran trees or want to manage your trees for the future. This is an opportunity to view the trees at Groundswell and to bring new skills home.

10:00 am

## **Growing Soil, Growing the Soil Community: Soil Health Oriented Farming in the UK**

**Dr. Anna Krzywoszynska**

10:00am - 11:00am Big Top

### LECTURE

Have you ever felt like the odd one in the room? Have you ever doubted your decision to transition to regen ag? You are not alone... Dr Krzywoszynska presents UK farmers' experiences of taking up regen ag practices, discusses why transitions to regen ag can be challenging, and proposes ways of strengthening the regen ag movement in the UK and beyond.

## **Do Fungicides Have a Place in Regen Ag?**

**Elizabeth Stockdale, Stuart Knight, Syed Shah & Andrew Howard**

10:00am - 11:00am NIAB Seminar Tent

### PANEL

A strategic panel discussion grounded in practical agronomy.

In all cropping systems, fungicides are only part of disease control alongside variety, rotation and general crop hygiene. There is scope to minimise requirement and potentially save costs, e.g. by using threshold and forecasting information, using appropriate doses and omitting unnecessary sprays. But is there more that regenerative agriculture systems offer that could further reduce reliance on fungicides?

## **Animals To Arable: The Holy Grail of the Golden Hoof**

**Stephen Briggs, George Hosier, Jo Franklin, Liz Genever & David Miller**

10:00am - 11:00am Speaker's Corner

### PANEL

Will mixed farming become the future of UK agriculture? Building on the keen interest from our recent conference Animals to Arable, this panel discussion explores the benefits and barriers to the reintroduction of livestock to farms that are currently all arable.

## **Farming & Water, Allies or Enemies?**

**Ian Davis, John Cherry, Prof. Jane Rickson & Alister Leggatt**

10:00am - 11:00am Old Dairy

### PANEL

There have been large changes in agricultural policy and practices relating to water on farmland. This session will present a brief description of these changes and challenges leading to a discussion around how agriculture might adapt to the changing climate and offer assistance with remedying the problem for wider society.

## **Understanding Regen Ag**

**Ben Taylor-Davies**

10:00am - 11:00am Kellogg's Origins Soil Tent

### LECTURE

Farming 220 Ha in Ross-on-Wye, the farm has historically grown potatoes and various vegetable enterprises. A historic mixed farm which has seen the re-introduction of various livestock enterprises whilst also developing a farm shop, holiday lets and glamping. The main focus of the farm is giving something to the next generation, this includes more soil, a better environment, a diverse income stream, which has all been included into the farms 30 year plan.

## **Farming For Generations to Come**

**Timothy Parton**

10:00am - 11:00am Discussion Tent

### LECTURE

Tim will speak about his journey into Regeneration Agriculture and how he has moved to working with nature, instead of against her, replacing fungicides and

insecticides with biology and natural predators, whilst maintaining balanced nutrition.

## **Where Does Sustainable Agriculture Fit Into Sustainable Food Systems: Contrasting & Contested Visions?**

**Tim Benton**

10:00am - 11:00am Fungi Tent

### SEMINAR

Farming is about producing food and the demand for food is shaped by markets and trade policies. There are two broad contrasting visions for sustainability: "sustainable intensification" vs regenerative agriculture, with integrated farming, providing diverse landscapes. Which paradigm will dominate in years ahead, what might cause it so to do, and how can we ensure the right one is put into practice at scale?

11:00 am

## **Rainfall Simulator**

**Anna Krzywoszynska, Shaun Dowman & Paul Cherry**

11:00am - 11:30am Big Top

### DEMONSTRATION

See the dramatic effect of two inches of rainfall on soils under different management regimes: no-till and cultivated, with and without cover and under permanent pasture.

## **Soil Heroes (on their stand)**

11:00am - 11:30pm Stand PFD12

### SEMINAR

We are a team of farmers, scientists and entrepreneurs on a mission to make regenerative farming the new standard for both companies and farmers. Soil Heroes is founded by a 4th generation farmer with 10+ years experience in regenerative farming in The Netherlands. We will be showcasing how farmers and companies have partnered with Soil Heroes to jointly invest in and reap the commercial benefits from regenerative farming. We will be sharing how we monitor biodiversity, carbon sequestration and water storage in our soils, and convert these values into quantified and verified impact relevant to companies.

## **AHDB Arable Q&A**

**David Miller**

11:30am - 12:00pm AHDB Marquee

### SEMINAR

Making regenerative farming work for your business? Using tissue/sap testing to monitor and reduce inputs, create the optimum regenerative dairy farming system, reducing artificial fertiliser inputs on grassland and using

biological products to best effect? These are just a handful of questions that our arable and livestock AHDB Strategic and Monitor Farmers are discussing on-farm through their research and wider activities.

Join AHDB and our farmers in the 30 minute Q & A discussions to hear about their regenerative agriculture journey so-far, their challenges and opportunities. Tell us what regenerative agriculture means to you and where you think the research gaps lie, for future AHDB-funded on-farm research.

**12:00 pm**

### **Going Back to Our Origins – Showcasing the Work of the Kellogg's Origins Programme**

**Duncan Rawson, Clive Blacker & Hugh Martineau**

12:00pm - 1:00pm Kellogg's Origins Soil Tent

**PANEL**

Kellogg's Origins projects help farmers implement sustainable agricultural practices around the world. To date they have worked with more than 400,000 farmers, focusing on the use of environmental farming practices to improve livelihoods. In the UK the programme has been working with a group of progressive farmers to help them explore new and innovative agricultural practices to produce results that help farmers make better bets when moving towards more regenerative practices. All the outputs from the programme are made freely available to all.

### **Making Delivery of Public Goods Attractive**

**Sue Pritchard, Janet Hughes, Stuart Roberts, Julia Aglionby & Clive Bailie**

12:00pm - 1:00pm Big Top

**PANEL**

Understanding the Sustainable farming Incentive and how is Defra planning on making the delivery of public good attractive.

### **George Renner & Adam Driver in Conversation with Tom Martin**

**Tom Martin, George Renner & Adam Driver**

12:00pm - 1:00pm Old Dairy

**PANEL**

Tom Martin hosts a conversation with George Renner & Adam Renner – followed by audience Q&A

### **What is the Future of Agronomy?**

**Mark Dewes, Richard Harding, Andrew Howard & Gary Markham**

12:00pm - 1:00pm NIAB Seminar Tent

**PANEL**

As farmers and landowners face unprecedented changes, the challenge is also finding the correct advice on how to future proof their rural farm business. The agronomist has for many farms been a key source of advice, but what is the future of agronomy as we move to a more regenerative farming system? Join the debate with a panel of farmers and advisers to explore what they see as the future of agronomy.

### **Farming on Crutches**

**John Meadley**

12:00pm - 12:30pm Discussion Tent

**LECTURE**

Hear John Meadley talking about 'Farming on Crutches'.

Over the last 12 months this small group – members of the Sierra Leone Amputee Sports Association – has established with their own hands this ten-acre farm based on permaculture and agro-ecological principles. They now want to train others to do the same – starting with their fellow amputees, then encouraging schoolchildren before helping able-bodied farmers to move away from the chemical treadmill and engage with nature.

### **The Pipers Farm Mission**

**Peter Grieg**

12:00pm - 1:00pm Fungi Tent

**LECTURE**

Pipers Farm has long been committed to preserving small scale mixed family farms and allowing them to thrive without having to become increasingly industrialised in their operation. By focusing on each individual farm and the opportunities their land or crops present, they are able to support these businesses in diversifying their operations and provide a guaranteed and simple route to market.

### **WildEast – A Regional Scale Cross Sector Nature Recovery Alliance**

**Hugh Somerleyton, Argus Hardy & Ollie Birkbeck**

12:00pm - 12:30pm Speaker's Corner

**SEMINAR**

WildEast is a first attempt in Britain of a regional scale multi sector alliance. Conceived by three recovering degenerative farmers, the ambitious scale reflects the 'nature need' and the size of the task; a task that must involve

every one and every sector and a reset of the architecture of entire farming and food economy over time if we are serious about restoring bio-diversity, arresting climate change and improving human health and happiness.

The founders/Hugh Somerleyton will talk about their inspirations, the journey so far and why farmers must lead the way and why WE need YOU!

### **What have bees ever done for us?**

**Robin Dean**

12:30pm - 1:00pm Discussion Tent

**LECTURE**

A short overview of the benefits of managed pollination using multiple bee species to agricultural systems.

### **Rotational Grazing With Satellite**

**Charlie Griffith**

12:30pm - 1:00pm Speaker's Corner

**SEMINAR**

ruumi helps farmers to do rotational grazing. Our easy-to use digital product helps farmers to gauge covers and match supply with demand to make the best grazing decisions throughout the year. By growing more grass, farmers can reduce fertiliser and save thousands on winter feed. This session provides an introduction to ruumi, what it does and how it works. We'll look at an example with timely and practical grazing tips for June.

Questions and feedback will be welcomed during the session.

**1:00 pm**

### **Kings Cover Crop Tour**

**Paul Brown & Richard Barnes**

1:00pm - 1:15pm Kings Cover Crop Trial Plots

**DEMONSTRATION**

Join Paul Brown and Richard Barnes at the Kings Cover Crop Trial Plots in the middle of the Demo Field to see 20 different mixtures of cover crops, illustrating different species and variety use for a wide range of uses.

### **Drone Ag Skippy Scout Demo**

1:15pm - 1:30pm Stand PFD3

**DEMONSTRATION**

Drone Ag will demo Skippy Scout, using a mini drone to automatically scout points of interest in a crop and generate a field report in minutes.

### **Small Robot Demo**

1:30pm - 1:45pm Small Robot

**DEMONSTRATION**

Tom - SRC's first commercial robot, a monitoring robot for Per Plant Farming. SRC's first service using Tom will be per plant weeding, a world-first milestone. Tom is now delivered to commercial specification, ready for service to more than 100 farms in 2023. Manufactured in Northumberland by Tharsus, Tom will also be going into 5G trials in Dorset in the autumn in the £8 million 5G RuralDorset project.

## Large Windrow Compost Demo

1:45pm - 2:00pm Demo Field

### DEMONSTRATION

Weston Park Farms create compost, turning muck into a more stable product. Cattle muck is mixed with woodchip to balance the C and N. The temperature is monitored to ensure it reaches 65 degrees before turning to aerate, this is done two to three times.

Come and see the turner in action.

## 2:00 pm

### Wildfarmed – Facilitating Change for Farmers

Andy Cato

2:00pm - 3:00pm Big Top

### LECTURE

Hear how Andy Cato developed Wildfarmed – an innovative system for growing grains in a permanent pasture ecosystem.

Now available in the UK, Andy will explain how farmers are getting involved and how Wildfarmed is creating a market that rewards quality rather than quantity – one that makes sense economically as well as ecologically.

### The Great Re-Think

Colin Tudge

2:00pm - 3:00pm NIAB Seminar Tent

### LECTURE

The world is in a horrible mess — and it doesn't need to be. If we, humanity, played our cards right, then we and our fellow creatures could still be looking forward to a long and glorious future – a million years for starters with much more to follow. To achieve this, however, we have to re-think everything we now take for granted and re-structure accordingly. It all amounts to nothing less than a global Renaissance.

But the oligarchs who now dominate the world – big governments, the transnational corporates, the big banks, and their chosen intellectual and expert advisers – are not going to do what's needed. So we – people at large – have to bring about the Renaissance for ourselves. So what needs doing and how do we go about it?

*Colin Tudge's talk is based on his new book, The Great Re-Think*

### What lies beneath? Perspectives on the underworld

Prof. Karl Ritz

2:00pm - 3:00pm Old Dairy

### LECTURE

This presentation will provide a brief primer on the below ground system, with an emphasis on the critical roles of soil pore networks, and ways to effectively manage these. Soils function by virtue of the way they are put together and the interactions that occur between the myriad physical, chemical and biological components within.

### Bringing Back the Beaver

Derek Gow & Muna Reyat

2:00pm - 3:00pm Kellogg's Origins Soil Tent

### LECTURE

Farmer-turned-ecologist Derek Gow provides an inspirational first hand account of how the movement to rewild beavers into the British landscape has become the single most dramatic and subversive conservation act of the modern era. Derek makes the case as to why the return of one of nature's great problem solvers will be critical as part of a sustainable fix for the UK's growing flooding and drought problems, whilst ensuring the creation of essential landscapes that enable the broadest spectrum of Britain's wildlife to thrive.

### FABulous Farmers – Mistakes I Have made: The Agroforestry Surgery

Stephen Briggs, Harriet Bell, Ben Raskin & Prof. Steven Newman

2:00pm - 3:00pm Discussion Tent

### PANEL

Planting trees into farming systems is immensely beneficial for all but without technical advice many of the early adopters have had to go it alone relying on trial and error to see them through. Join a panel of agroforestry pioneers as they look back at their projects and share their stories so you are better equipped with the dos and donts of such important long term investments.

### Ian Pigott in Conversation with UK No-Tillers

Ian Pigott, George Young, Mike Purnell & Tom Pearson

2:00pm - 3:00pm Fungi Tent

### PANEL

Ian Pigott hosts a conversation with George Young, Mike Purnell & Tom Pearson – followed by audience Q&A

## Delving into Dung

Sally-Ann Spence

2:00pm - 3:00pm Speaker's Corner

### LECTURE

Entomologist & livestock farmer Sally-Ann Spence from Dung Beetles for Farmers will be focusing on our native dung beetles, often overlooked and undervalued. This lecture will help you appreciate the positive impact of these insects and enable you to make informed decisions on your management for their conservation.

## 3:00 pm

### Dung Beetle Safari

Sally-Ann Spence, Claire Whittle & Max Anderson

3:00pm - 3:30pm Speaker's Corner

### DEMONSTRATION

Join us on a tour of dung pats hunting for dung beetles.

Dung beetles are vitally important insects improving the quality and structure of soil, cleaning pastures, reduce parasite burdens in livestock and providing a variety of other crucial services. Changes to agricultural practices and intensification have had significant impacts on them; particularly wormer use has caused a reduction in numbers.

Come and explore the world of the dung beetle, learn how to find, and identify different groups of dung beetle; from dwellers to tunnellers.

Dung Beetles for Farmers was set up by a group of farmers, entomologists, and a vet to raise awareness of dung beetles in the farming community and give pragmatic advice how to support them.

### Barenbrug Herbal Ley Tour

3:00pm - 3:15pm Barenbrug

### DEMONSTRATION

Considering introducing livestock or increasing biodiversity with diverse grass and herbal ley mixtures on your farm? Meet the Barenbrug UK team today and learn more about the Barenbrug grass and herbal ley mixtures created for regenerative farming approaches with the trial plots in the demo field.

### AHDB Livestock Q&A

Dan Burdett

3:30pm - 4:00pm AHDB Marquee

### SEMINAR

Making regenerative farming work for your business? Using tissue/sap testing to monitor and reduce inputs, create the optimum regenerative dairy farming system, reducing artificial fertiliser inputs on grassland and using

biological products to best effect? These are just a handful of questions that our arable and livestock AHDB Strategic and Monitor Farmers are discussing on-farm through their research and wider activities.

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**4:00 pm**

### **The Rise of Regenerative Agriculture: How & Why a Farming Movement Has Caught the Imaginations of Chefs & Consumers**

**Lizzie Rivera, Thomasina Miers, Peter Grieg & Ed Ayton**

4:00pm - 5:00pm Big Top

**PANEL**

Regenerative Agriculture is capturing people's attention in all areas of life, from food to fashion. So, what's the secret of its appeal? How do we build on this success? & How do we take people on a journey of truly understanding what's at its core – and ensure the principles are not co-opted, or diluted, as it becomes more mainstream?

### **The Role of Finance in the Regen Transition**

**Dan Miller, Kirsty Sadler & Tessa Etkin-Silver**

4:00pm - 5:00pm Old Dairy

**PANEL**

We will explore the role of money, finance and investments in scaling regenerative approaches with a Farmer (Jeroen Klompe, farmer and cofounder Soil Heroes), Investment Platform (Dan Miller Steward), Agrifood company (Kirsty Saddler, New Foundation Farms) and Investor Tessa Etkin-Silver (Be The Earth Investments).

### **Farming to reach Net Zero and Sub Zero**

**Martin Lines, Helen Chesshire, Craig Livingstone & Andrew Barbour**

4:00pm - 5:00pm Kellogg's Origins Soil Tent

**PANEL**

The requirements are to reach Net Zero by 2040, but farming practices can be delivering for this now and in fact could deliver carbon capture beyond to meet sub zero. Farmers already on this journey share their experience, challenges they have faced and achievements in trying to reach these targets and the benefits

this has brought to their businesses. Join them in conversation to learn more.

### **Climate Compost by The Land Gardeners**

**Bridget Elworthy, Henrietta Courtauld, Nicole Masters, Abby Rose, Tim Williams & Prof. Andy Neal**

4:00pm - 5:00pm Discussion Tent

**PANEL**

Providing a real solution for farmers to effectively sequester carbon, improve the nutrient density of their crops and enhance the resilience of their system. How to make quality microbial compost, sequester carbon and raise the nutrient density of your crops.

### **Let's have a new conversation about measuring Food Quality and question the need for labelling**

**Adele Jones, John Kempf, Peter Segger, Elizabeth Westaway, Lawrence Woodward & Matthew Adams**

4:00pm - 5:00pm Fungi Tent

**PANEL**

Numerous studies have questioned whether organically certified food is more nutritious than conventionally grown food, with conflicting results. In 2017, the Bionutrient Food Association began developing a Bionutrient Scanner to measure food quality based on nutrient density. This session explores the concept of food quality based on nutrient density and asks, 'Could easy-to-use measuring tools rather than labelling enable a new way of determining food quality?'

### **Is there more value to be had from livestock production?**

**Rich Summers**

4:00pm - 5:00pm Speaker's Corner

**LECTURE**

Rich Summers talks about his experiences of extracting more value from livestock production by shortening the supply chain. By taking on some of the product development and intelligently processing the meat, there are significant margins to be enjoyed from the source; selling directly to the public is a big tick for your pocket and one for sustainability too.

### **Conservation Agriculture – Putting The Theory Into Practice – Part 1**

**James Warne & Steve Townsend**

4:00pm - 4:30pm NIAB Seminar Tent

**SEMINAR**

Steve and James to host a myth-busting session containing practical advice for the avoidance of

the early pitfalls when starting out on your Conservation Agriculture journey.

Part 2 will be held at 3pm Thursday.

### **Crossover Blendery Tour**

4:15pm - 4:45pm Blendery Barn

**DEMONSTRATION**

Please come along to learn more about the world of spontaneous fermentation and take a tour around the cellar.

At no point in our process do we pitch any cultivated yeast. Untamed yeast makes the underlying product more exciting, challenging and complex.

All the beers we make will be aged in oak casks for up to 4yrs and utilise the best of local British fruit and grains.

### **Releasing Additional Income from Regenerative Farming**

**Harry Farnsworth**

4:30pm - 5:00pm NIAB Seminar Tent

**SEMINAR**

How can farmers profit from the natural capital that they are creating through regenerative methods?

The Green Finance market holds a wide range of additional funding sources for farmers who are using regenerative methods to improve the environment on their land. In this talk Harry Farnsworth from regenagri will demystify the range of routes there are to additional funds for regenerative farmers, and how to unlock that capital. Considering Carbon Credits, Environmental Impact Bonds, PES schemes, the upcoming changes to ELMS, supply chain inseting and institutional investors, Harry will explain how accurate measurement and verification of your on farm practices through regenagri can unlock access to these additional funds through an internationally recognised scheme.

**5:00 pm**

### **Compost Demo with The Land Gardeners**

**DEMONSTRATION**

**Bridget Elworthy & Henrietta Courtauld**

5:00pm - 5:30pm Land Gardeners

See how to make high quality aerobic microbial Climate Compost at farm scale. Watch The Land Gardeners turn their windrow using optimised machinery and monitoring equipment.

## **Integrating Regeneration- LEAF at 30**

**Caroline Drummond MBE, Jenny Clark, Alastair Leake, Andy Bason, Ian Waller & Tom Martin**

5:30pm - 6:30pm Big Top

### **PANEL**

Exploration of LEAF's 30 year journey developing, and demonstrating Integrated Farm Management. Moving towards and beyond sustainable farming.

## **Transitioning to the Circular Economy**

**Nick Jeffries**

5:30pm - 6:00pm NIAB Seminar Tent

### **LECTURE**

In recent years, the circular economy has been embraced by businesses, policymakers and other economic actors all around the world, as a framework to create better prosperity and address big global challenges. In this talk, Nick Jeffries, a senior expert at the Ellen Macarthur Foundation will give an introduction to the circular economy and describe how it intersects with regenerative agriculture.

## **Nature Means Business for Arable Businesses**

**Chris Clark, David Lord & Patrick Barker**

5:30pm - 6:30pm Old Dairy Tent

### **PANEL**

Nature Means Business highlights the vital role nature plays in any farm business. Initial research for the associated the 'Less is More' report focused on upland farms. Now in the next stage of this work, Chris Clark will talk through how this approach to farm business applies to arable farmers and understanding how you can build this into your farm planning.

## **Sustainable Viticulture in the UK – How to Make it Work for You**

**Darcy Gander & Tim Ferris**

5:30pm - 6:30pm Kellogg's Origins Soil Tent

### **SEMINAR**

The Sustainable Wines of Great Britain scheme was launched in 2019 and Vine Works have been involved in its development since its early incarnation, along with their own vineyard (Bee Tree) passing in the first cohort. Vine Works have added a service to their Technical Scouting protocol to assist new applicants to the scheme.

Vine Works provide viticultural services from site appraisal, project management, planting, installation, specialist labour and ongoing vineyard management.

## **Flourish Produce: Specialty Crops Grown for Chefs**

**Calixta Killander**

5:30pm - 6:00pm Discussion Tent

### **SEMINAR**

With a great many challenges facing agriculture, Calixta and her team are building a resilient modern farm business focused on building biodiversity and resilience. Learn about how Flourish produces the highest quality niche crops using ecological growing practices, supplied to chefs and home cooks directly, without a middle man.

## **Carbon payments are here!**

**Andrew Voysey**

5:30pm - 6:30pm Fungi Tent

### **SEMINAR**

Regenerative agriculture specialists, Soil Capital, have successfully launched Europe's first certified, multi-national carbon payment programme for farmers. This session will share the details of how it works and the team's plans to bring it to the UK in 2021.

## **Grounds for optimism – 'build on what's strong, not what's wrong'**

**Dan Crossley, Ian O'Reilly, Emma Robinson, Nikki Yoxall**

5:30pm - 6:30pm Speaker's Corner

### **SEMINAR**

We are all aware of the challenges facing UK farming - price pressures and responding to climate and nature emergencies. But what excites you in farming at the moment? Join us for a chance to celebrate all things that we see to be 'good' or going in a good direction in farming.

This is simply an opportunity to exchange ideas and inspire each other with your own examples of what excites you about your farm and farming generally. The Food Ethics Council is hosting this space for people involved in farming to come together to share and celebrate what is going well.

## **6:00 pm**

### **Six Inches of Soil**

6:00pm - 6:30pm Discussion Tent

### **FILM**

Six inches of Soil, a documentary feature film by Director Colin Ramsay and Producer Claire Mackenzie, that tells the story of enlightened farmers across Britain struggling against entrenched power, market forces and a 100 year history of environmental degradation to change

the way they produce food and steward the land.

## **Regenuary – Changing the narrative around food choice**

**Glen Burrows**

6:00pm - 6:30pm NIAB Seminar Tent

### **LECTURE**

It started with a facebook post in 2020 and turned into a viral movement and idea, creating discussion and thought about the impact of what we choose to eat.

## **Mob Grazing Demo**

**John Cherry & Paul Cherry**

6:30pm - 7:00pm Discussion Tent

### **DEMONSTRATION**

John & Paul Cherry (Host farmers) will be demonstrating moving the mob on the herbal ley and answering any questions.

## **7:00 pm**

### **Film – Regenerative Farming and the Circular Economy in East Africa**

**Nick Jeffries**

7:30pm - 8:15pm Fungi Tent

### **FILM**

How does the idea of regenerative and circular food systems map onto the East African context? In this session Nick Jeffries will show five short films from Kenya and Uganda that he produced with the Ellen Macarthur Foundation. The films will demonstrate how regenerative farming, on-farm processing and 'waste valorisation', can support economic growth and address global challenges in developing economies.

**If you would like to be a part of Groundswell 2022, please get in touch with a member of the Groundswell team.**

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# Thursday 24<sup>th</sup>

9:00 am

## The below-ground powerplant: how the biological engine of the earth underpins soil health

Prof. Karl Ritz

9:00am - 10:00am Big Top

LECTURE

Soils are dynamic systems teeming with a huge variety of life. Below-ground communities, often in concert with plants, drive and regulate the majority of the key processes which make soils function. This presentation will explain some of the mechanisms involved, and how an appreciation of soils as living systems can inform their successful management.

## No-Till With Living Mulches – The Holy Grail of Arable?

Mark Lea, Clive Bailye, Dominic Amos & Jerry Alford

9:00am -10:00am NIAB Seminar Tent

PANEL

No-till arable farming has revolutionised the arable farming mindset and is of interest to organic farmers because of its potential to reduce cultivations whilst providing weed control, fertility and soil health. But is it possible? For more information on Innovative Farmers please visit our website: [www.innovativefarmers.org](http://www.innovativefarmers.org)

## Barriers & Opportunities to Transitioning to Farmer-Focused Supply Chains & Agroecology

Vicki Hird, Jyoti Fernandes, Josiah Meldrum & Natasha Soares

9:00am -10:00am Kellogg's Origins Soil Tent

PANEL

A panel discussion with a group of farmers and better food traders to understand some of the key barriers and opportunities to shifting towards farmer-focused supply chains and agroecological farming. Panelists will share their experiences on the ground and propose ideas and top tips for any budding farmer or food enterprise wanting to create positive change. Members of the audience will be able to pose questions to the panel to get practical feedback on how they can make practical changes.

## How to Transition to Pasture-Fed Dairy

Jimmy Woodrow, Dan Burdett, Angus Dalton, Jonny Rider & Nicholas Millard

9:00am -10:00am Discussion Tent

PANEL

Join the Pasture-Fed Livestock Association looking at the case for regenerative, pasture-fed dairy farming. In this session, we hear from farmers who are in the process of making changes, or who have managed to transition fully to 100% pasture-fed practices. We discuss the issues holding back the sector that have emerged from studies carried out by the PFLA, including mindset, and practical solutions to these.

## Conservation Agriculture & Sustainable Farming Systems - Practical Adoption on Farm & Fitting Within the Direction of Evolving Government Policy

Phil Jarvis, Alastair Leake, Belinda Bailey, Mark Hall, Nathan Morris & Andy Barr

9:00am -10:00am Old Dairy

PANEL

As the UK population increases and the area of land available to produce good quality food is in decline, there continues to be a demand to produce more from less. The use of new approaches will support growers to become more resilient and sustainable, but we also need to look after and improve the wider farmed environment. The Conservation Agriculture and Sustainable Farming Systems project is a 5 year partner-led European project that examines the entire cereals-based rotation on a field scale. This project combines the conservation agricultural principles with the holistic gathering of a wide range of economic, agronomic and environmental parameters to support practical adoption on the ground, while shaping future policy objectives of "more food, less impact".

## Environmental Land Management Scheme – The Catalyst?

Jenny Phelps MBE & Tamsyn Harrod-Beck

9:00am -10:00am Fungi Tent

SEMINAR

The United Kingdom is at a tipping point between two paths; one where we continue towards a disjointed and wasteful future with a shoot from the hip response, or one where

government policy can be embedded at the heart of the solutions becoming a catalyst for integrated delivery, economic recovery, food justice and social and environmental regeneration. In this update, the Farming and Wildlife Advisory Group South-West would like to share our ongoing vision as to how E.L.M can catalyse this change.

## A Regenerative Journey Clare Hill & Caroline Grindrod

9:00am -10:00am Speaker's Corner

SEMINAR

The story of an Oxfordshire farm transitioning to a fully regenerative approach in 2 years - a life-changing experience on so many levels.

10:00 am

## Rainfall Simulator

Prof. Karl Ritz, Alister Leggatt & Paul Cherry

10:00am -10:30am Big Top

DEMONSTRATION

See 11:00am Wednesday for details.

## Dung Beetle Safari

Sally-Ann Spence, Claire Whittle & Max Anderson

10:00am -10:30am Dung Beetles Stand

DEMONSTRATION

See 3:00pm Wednesday for details.

## Soil Heroes

10:30am - 11:00am Stand PFD12

SEMINAR

See 11:00am Wednesday for details.

11:00 am

## Rosie Boycott interviews Rt Hon George Eustice MP

Rt. Hon. George Eustice MP & Rosie Boycott

11:00am -12:00pm Big Top

INTERVIEW

Baroness Boycott will interview The Right Honourable George Eustice on the new Agricultural policy.

## Tilling Your Cover or Complex Ley; Relative Merits of Strategies

Lydia Smith, Nathan Morris, Lizzie Sagoo, Will Smith, Patrick McKenna & David Clarke

11:00am -12:00pm NIAB Seminar Tent

PANEL

What is the best strategy when preparing the soil for return to arable, and how is this is

impacted both now and in the future by loss of chemistry? As part of their long-term soil improvement, many farmers have successfully integrated winter cover crops into their rotation. Some minimise or even eliminate exposure of bare soil at any time throughout the year. Others have introduced longer term use of cover crops into the spring or even summer; while a growing minority are introducing leys into the rotation with a two to three year life expectancy, before returning to arable cropping.

## Going Back to Our Origins – Showcasing The Work of the Kellogg's Origins Programme

**Alastair Leake, Duncan Rawson, Dave Fitzgerald, Clive Blacker, & Phil Jarvis**

11:00am -12:00pm Kellogg's Origins Soil Tent

PANEL

See 12:00pm Wednesday for details.

## The Possibilities of Organic No Till

**John Pawsey**

11:00am -12:00pm Old Dairy

LECTURE

Organic No Till is often described as the holy grail of regenerative agriculture. John Pawsey discusses the practical possibilities of reduced or no cultivations in the absence of artificial fertilisers or pesticides from his own experiences at Shimpling Park Farm and of others.

## Heritage Grains Workshop & Walk to #OurField

**John Letts, Henry Astor & John Cherry**

11:00am -12:30pm Discussion Tent

DEMONSTRATION

WORKSHOP SEMINAR

We must draw 'lessons from the past' in order to improve the yield, resilience and sustainability of modern grain production. Medieval-style 'populations' of cereals are genetically diverse and therefore resilient and able to adapt to climate change, and they can be grown in low input conditions using 'restorative' methods that sequester carbon, increase biodiversity, and do not require crop rotation, tillage, manuring or artificial inputs.

## Some Grasp Opportunity... Others See Problems

**Mike Gooding**

11:00am -12:00pm Speaker's Corner

LECTURE

With livestock playing a key role in regenerative agriculture, Mike Gooding will look at the prospects for marketing lamb in both domestic markets and overseas. He will also consider if the time is right to take a

regenerative approach to business models through the supply chain to return more value to the farmer.

## Why & How to No-dig

**Charles Dowding**

11:00am -12:00pm Fungi Tent

LECTURE

Charles has made no dig gardening popular. His readers and viewers learn how it's good for soil, healthy for plants and easy for them. His books and videos give other timesaving ways to garden, as applicable for small areas as large ones. His methods are used by millions of gardeners worldwide.

## Drone Ag Skippy Scout Demo

11:15am - 11:30am Stand PFD3

DEMONSTRATION

See 1:15pm Wednesday for details.

## 12:00 pm

### AHDB Arable Q&A

**Johnnie Balfour**

12:00pm -12:30pm AHDB Marquee

SEMINAR

See 11:30am Wednesday for details.

### Kings Cover Crop Tour

**Paul Brown & Richard Barnes**

12:30pm-12:45pm Kings Cover Crop Trial Plots

DEMONSTRATION

See 1:00pm Wednesday for details.

## 1:00 pm

### Understanding Natural Capital & Nature Credits

**Sue Pritchard, David Hill & Tom Stratton**

1:00pm -2:00pm Big Top

PANEL

This session focusses on the growing opportunities to engage with private finance around natural capital and nature credits. We'll explore what we can learn from the carbon markets, and what we can do to ensure that all types and scales of farm enterprise can benefit.

### Introduction to Groundswell Agronomy & Benchmarking

**Mike Purnell, Rob Raven, Gary Markham & Richard Harding**

1:00pm -2:00pm NIAB Seminar Tent

PANEL

How to take the next practical steps on a path to a more regenerative farming system. Hear how Groundswell Agronomy is designed to provide the right advice to assist farmers in

future proofing their business. Benchmarking against other similar businesses is crucial and Gary Markham from Land Family Business will provide an update on farm performance from the latest Groundswell Benchmarking data.

## The Role of Beavers in Water Catchments

**Archie Ruggles-Brise, Derek Gow & Shaun Dowman**

1:00pm -2:00pm Discussion Tent

PANEL

Beavers are agents of change. They can help regenerate water catchments, bring back diversity, add flood and drought resilience and improve water quality. Beaver reintroductions are happening now in many parts of the UK. Hear from the speakers about their various experiences.

## A New Era For Farming: Modern Farmers Who Can Deliver Nature's Recovery

**Martin Lines, Richard Benwell, Georgie Bray & Christopher Price**

1:00pm -2:00pm Kellogg's Origins Soil Tent

PANEL

2021-2024 marks the Agricultural Transition Period, where the make-up of our farming policy will change forever to favour an approach of 'public money for public goods'. In his announcement of the Agricultural Transition Plan, Defra Secretary of State George Eustice set out a vision to support a "Fusion of the traditional principles of good farm husbandry with the best technology available to us in the 21st century". This session will explore the true innovation happening in the sector, and will start to paint the picture of what modern farming really looks like. It will explore how the Environmental Land Management Policy and a new regulatory approach can support these practices, and drive them into the mainstream.

## Getting to the Root of Good Health

**Dr. Jenny Goodman, Nick Barnard & Josiah Meldrum**

1:00pm -2:00pm Old Dairy

PANEL

The pandemic has seen a renewed appreciation for farmers in providing food for their communities. Organic food consumption has soared in the past year and more people than ever are buying directly from their local producers and farms. Yet we still have the highest consumption of ultra processed foods in Europe, at almost 50%. We've also become more divisive than ever about what should be on our plates. In this session, two health experts and authors, Nick Barnard and Dr Jenny Goodman, speak to Josiah Meldrum of Hodemod about the current health crisis,

how better farming practices can help us out of it, and share their views on what it means to eat well today.

## Per Plant Action – Weed Zapping & Soil Health Monitoring

Sam Watson-Jones

1:00pm -2:00pm Fungi Tent

### LECTURE

How will Per Plant Farming change your farm business? This will become the dominant farming system in the world by 2040. SRC has now reached a major milestone in this '4AR' journey: weed zapping, using no chemicals. Robotic soil sampling to assess and measure soil health is also in trials.

## Fibreshed UK – Challenges & Opportunities

Deborah Barker & Gala Bailey Barker

1:00pm -2:00pm Speaker's Corner

### PANEL

Hear from the founders of Southeast England Fibreshed: Gala has been developing her flock to create high value products from the fleece for the past 8 years. Harriet Miller, who with her partner, has set up LAM food and fibre to create a regenerative food, fibre and fashion system on their farm in North Kent.

## 2:00 pm

### Small Robot Demo

2:15pm - 2:30pm Small Robot

### DEMONSTRATION

See 13:30pm Wednesday for details.

### Barenbrug Herbal Ley Tour

2:30pm - 2:45pm Barenbrug

### DEMONSTRATION

See 3:00pm Wednesday for details.

### Large Windrow Compost Demo

2:45pm - 3:00pm Demo Field

### DEMONSTRATION

See 1:45pm Wednesday for details.

## 3:00 pm

### My Experiences With No-Till Farming – A World & European Perspective

William Scale

3:00pm -4:00pm NIAB Seminar Tent

### LECTURE

William Scale has nearly 20 years of experience of continuous no tillage farming and is based in Pembrokeshire on possibly the most Westerly no till farm in the UK. With an annual rainfall of about 50 inches a year, the motivation to preserve soils against erosion and to keep

driving down costs on the family farm has always been paramount. A keen conservationist, a Nuffield Scholar and a Churchill Fellow, Will has travelled and met a range of farmers and landowners over the years relevant to the field of Zero Tillage, Holistic Management, Regenerative Agriculture and Environmental Conservation and is going to share his ideas and experience at Groundswell.

## Revenue Models For Regenerative Farming

Tom Ludwig & Rob Reed

3:00pm -4:00pm Old Dairy

### SEMINAR

We are a team of farmers, scientists and entrepreneurs on a mission to make regenerative farming the new standard for both companies and farmers. Soil Heroes is founded by a 4th generation farmer with 10+ years experience in regenerative farming in The Netherlands. We will be showcasing how farmers and companies have partnered with Soil Heroes to jointly invest in and reap the commercial benefits from regenerative farming. We will be sharing how we monitor biodiversity, carbon sequestration and water storage in our soils, and convert these values into quantified and verified impact relevant to companies.

Together with our partners we co-create revenue models for regenerative farming, varying from offsetting, insetting and regenerative sourcing. We are inviting you to share your journeys and explore how we can jointly accelerate the transition to regenerative farming in the UK and beyond.

We hope to see you!

## Benefits of Cluster Farmer Groups

Duncan Rawson, Lizzie Emmett, William Selborne & Tom Pearson

3:00pm -4:00pm Big Top

### PANEL

Hear first hand from the experiences of members of different Farmer Cluster Groups across the country.

## 'How to' Compost Workshop with The Land Gardeners

Bridget Elworthy, Henrietta Courtauld & Tim Williams

3:00pm -4:00pm Discussion Tent

### WORKSHOP

How-to make quality microbial Climate Compost, sequester carbon and raise the nutrient density of your crops. Featuring Tim Williams (Regen Ag Practitioner and Adviser) on methods of applying Climate Compost to your soils and Becky Wilson on how to measure the effects of Climate Compost.

## Soil structure, the key to soil health

David Purdy & Philip Wright

3:00pm -4:00pm Kellogg's Origins Soil Tent

### SEMINAR

Soil structure, a biological process, is pivotal to the success of any agricultural production system. Philip and David combine research and experience to look at how structure is developed through roots, the prevention of any damage to it and how to rectify any problems with targeted ultra-low disturbance techniques. The combined benefits bring both environmental and economic benefits to the business.

## The Value of Silvopasture in Your Livestock Systems

Dr. Lindsay Whistance, Dr. Nigel Kendall, Helen Cheshire & Matt Jordan

3:00pm -4:00pm Fungi Tent

### PANEL

This session will give an overview of what Silvopasture is and its benefits before delving into more detail about how trees can improve sustainability and the practical experiences of a farmer. It will have a particular focus on trees as a food source and highlight new research on the mineral composition of tree leaves and how best to utilise some of the concentrations identified as a supplement for sheep.

## Conservation Agriculture – Putting The Theory Into Practice – Part 2

James Warne & Steve Townsend

3:00pm -3:30pm Speaker's Corner

### SEMINAR

Steve and James to host a myth-busting session containing practical advice for the avoidance of the early pitfalls when starting out on your Conservation Agriculture journey.

## Crossover Blendery Tour

3:15pm - 3:45pm Blendery Barn

### DEMONSTRATION

See 4:15pm Wednesday for details.

## Bee Kind Hives – Low-Input Beekeeping

Matt Somerville

3:30pm -4:00pm Speaker's Corner

### SEMINAR

Honeybee health is under pressure from a reduction in natural forage, increased pesticide use in industrial agriculture and the many interventions of the beekeeper. Since the 1850s their management has continually been developed to maximise honey production, at the cost of the colony's vigour and the

biodiversity of our environment. Now we need to re-examine our relationship with this incredible insect and our landscape.

**4:00 pm**

## Compost Demo with The Land Gardeners

**Bridget Elworthy & Henrietta Courtauld**

4:00pm - 4:30pm Land Gardeners Stand

DEMONSTRATION

See 5:00pm Wednesday for details.

## AHDB Livestock Q&A

**Harry Henderson & Paul Hill**

4:00pm -4:30pm AHDB Marquee

SEMINAR

See 3:30pm Wednesday for details.

## Soil Farmer of the Year Awards 2021

**Becky Willson**

4:30pm -5:30pm Big Top

SEMINAR

Come along and hear from the winners of the Soil Farmer of the Year competition. Hear more about their farms and the steps that they have taken to safeguard soil health and build resilience and profit. The session will also feature the presentation of the awards to this year's winners.

## Regenerative Farm Results So Far!

**John Hawkins & Tim Stephens**

4:30pm -5:30pm Kellogg's Origins Soil Tent

SEMINAR

A Whole Farm Regenerative Farm trial has now entered its 3rd full year in Dorset without rewilding a single Hectare. The farmer will have the latest data to share with his audience on the progress so far to be fully "regenerated" by 2028. This will include the plan, lessons learnt so far both good and bad, Nitrogen and Carbon test results and predictions.

## How Trees Can Benefit Farms & The Environment

**Philippa Mansfield, Colette Garner, David Brass & Paul Arkle**

4:30pm -5:30pm NIAB Seminar Tent

SEMINAR

An exciting insight into the on farm ammonia capture work of the Ammonia Reduction from Trees (ART) project. This partnership seminar will cover the benefits of tree planting to farm business and the environment including ammonia capture, biodiversity, livestock welfare and tree growth/production. There will be an opportunity to hear farmers experiences

of free range poultry in woodland, views and practicalities of tree planting.

## What Can A Vet Offer The Regenerative Farmer?

**Rob Howe, Claire Whittle, Dan Stevenson & Alexandra Tomlinson**

4:30pm -5:30pm Discussion Tent

SEMINAR

A vet's oath is primarily to animal health. We believe regenerative principles and approaches offer fundamental solutions to significant animal health challenges.

Vet Sustain is working with the PFLA to develop veterinary training to enable and inspire vets to do more. We would love your input!

## What Can Pope Francis Tell You About Agriculture & Justice?

**Mateusz Ciasnocha & Giacomo Giordano**

4:30pm -5:30pm Speaker's Corner

SEMINAR

"Given numerous injustices present in the various sectors of the global economy and a pressing need to understand, as well as address those injustices Pope Francis has convened over 2500 youth and invited those to act in this regard under the Economy of Francesco initiative.

We would like to share the insights on various injustices and challenges faced by farmers across the world with the goal of inviting key policymakers to address those challenges with Pope Francis and the youth he has gathered around himself."

## Because You're Worth It!

**Andrew Ross**

4:30pm -5:00pm Fungi Tent

SEMINAR

Green Finance and Green Bonds are revaluing Sustainable Land Use, Nature-Based Solutions - and Regenerative Agriculture.

Andrew is designing Local Authority Net Zero Natural Capital Municipal Green Bonds in the context of 'Levelling-Up' and the launch of the UK Sovereign Green Bond at COP26.

Environmental Land Management and Public Money for Public Goods will attract Green Bond funding based on the insurance value of land use projects that prevent floods and droughts with loss of lives and livelihoods; and help to improve health and well-being and restore biodiversity.

## Managed Grazing With Virtual Fencing Technology

**Synne Foss Budal & James Daniel**

4:30pm -5:30pm Old Dairy

SEMINAR

Managed grazing systems increase productivity of both pasture and livestock but need expensive fencing infrastructure and experienced labour. Nofence virtual fencing technology enables efficient and dynamic grazing systems with no need for physical fences, whilst improving animal welfare and environmental impact. In this session we discuss how Nofence can be of benefit to any farmer wanting to improve their grazing management and those wanting to introduce livestock into their arable rotation. Hear from farmers already working with the Nofence technology and have the opportunity to ask your questions.

**5:00 pm**

## Mob Grazing Demo

**John Cherry & Paul Cherry**

5:30pm -6:00pm Discussion Tent

DEMONSTRATION

See 6:30pm Wednesday for details.

