

Northern Farming Conference 2022

Sustainable Attainable?

Wednesday 2 November



Chairman's Opening **Andrew Robinson** Head of Agriculture at Armstrong Watson Accountants

10:10 **The Rt Hon Sir Robert Goodwill MP** and Chair of the Environment, Food and Rural Affairs Select Committee

10:35 **Daniel Zeichner MP** and Shadow Minister (Environment, Food and Rural Affairs)

10:50 **Janet Hughes** Defra's Director for the Future Farming and Countryside Programme

11:55 **Henri Murison** Chief Executive, Northern Powerhouse Partnership

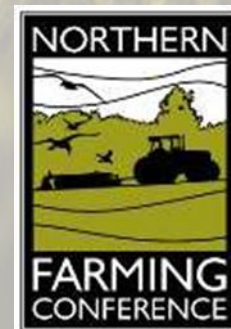
12:25 **Paul Temple** Farmer, Wold Farm, Yorkshire

Afternoon Chair **Lucinda Douglas** CLA North Regional Director

13:50 **Lizzie McLaughlin & Rebecca Wilson** Boots & Heels

14:20 **Patrick Laurie** Author, Farmer, Freelance Conservation Advisor

14:50 **Kate Hawley & Nick Prince** Forestry Commission



**Please click on the QR
code here to view all
of our guest speaker
biographies**



Andrew Robinson

Chairman & Head of Agriculture,
Armstrong Watson



The Rt Hon Sir Robert Goodwill

MP and Chair of the Environment,
Food and Rural Affairs Select
Committee



The Rt Hon Sir Robert Goodwill

MP and Chair of the Environment, Food and Rural Affairs Select Committee

Robert was born in North Yorkshire and was educated in York. He went to the University of Newcastle upon Tyne where he received a Bachelor of Science degree in agriculture. He is a farmer on the 250-acre family farm at Terrington near Malton where the family have farmed since 1850.

Between 1999 and 2004 Robert was one of Yorkshire's three Conservative MEPs. During his tenure he was Deputy Leader of the Conservative MEPs as well as spokesman on Environmental Policy.

First elected in May 2005 he served 18 months as a Member of the Transport Select Committee and in 2006, was promoted to the front bench, serving in the Opposition Whips' office having departmental responsibilities for Defra business.

In July 2007 he was promoted again to the post of Shadow Roads Minister.

In 2010 Robert was appointed by David Cameron as an Assistant Government Whip and shortly after this was promoted to Pairing Whip in the Government Whips' Office.

In 2013 he was appointed Parliamentary Under Secretary at the Department for Transport, and in December 2015 promoted to a Minister of State. In July 2016 Theresa May moved him to the Home Office as a Minister of State for Immigration. After a snap election in May 2017, Robert retained his seat and has been re-elected as MP for Scarborough and Whitby for the fourth time. Robert was appointed as a Minister of State for Education in June 2017.

In May 2022 Sir Robert Goodwill was elected as chairman of the Environment, Food and Rural Affairs Select Committee.



Daniel Zeichner

MP and Shadow Minister
(Environment, Food and Rural
Affairs)



Daniel Zeichner

MP and Shadow Minister
(Environment, Food and Rural Affairs)

Daniel Zeichner first entered Parliament at the 2015 General Election, was appointed Shadow Minister for Food, Farming and Fisheries in 2020. He was Shadow Transport Minister from 2015 to 2017.

The former Chair of Cambridge Labour Party, he was a councillor between 1995 and 2003, leading a small Labour Group in an area then dominated by Liberal Democrats. He worked as a Parliamentary researcher (1992-97) and for a member of the European Parliament (1994-99).

He has represented Cambridge on Labour's National Policy Forum since it was established by John Smith.

He first came to Cambridge to read History at King's. He had a successful career in IT, in both public and private sectors. From 2002 to 2015 he worked as national political officer for the trade union UNISON, promoting the interests of low-paid women working in public services.

He is an active member of Labour's environmental group (SERA), on their National Executive, helping them work with trade unions, and making the case for a shift to a greener tax policy.



Janet Hughes

Defra's Director for the Future
Farming and Countryside
Programme



Janet Hughes

Defra's Director for the Future Farming and Countryside Programme

Janet is the director of the future farming and countryside programme in Defra – the programme responsible for taking England out of the Common Agricultural Policy.

Defra is phasing out agricultural subsidies and introducing new environmental land management schemes to pay farmers to take care of the natural environment alongside food production including reducing climate emissions, storing carbon and mitigating the impacts of climate change.

The programme is also funding investment in farm productivity, innovation, research and development, and reforming farming regulation to make it fair, proportionate and effective.

Janet has been in this role for 2 years. Before that she had a career in and around the public sector, leading teams to get difficult things done in ways that genuinely work for people including in education, health, the Government Digital Service and London city government.



Panel Questions



Coffee Break



Henri Murison

Chief Executive, Northern
Powerhouse Partnership



Henri Murison

Chief Executive, Northern Powerhouse Partnership

During his five years since his first appointment, Henri has established the Northern Powerhouse Partnership as the business-led organisation which convenes the North together.

From making the case for significant investment in key transport priorities and further devolution deals for the North, to challenging for a better deal for the most disadvantaged from the education system, his team are focused on how government, business and partners can drive the North's ambitions.

Before joining the Partnership, he worked in senior research and policy roles in policing and financial services, and as a former senior local government figure in Newcastle upon Tyne remains a commentator on the political as well as economic rationale for Levelling Up and wider regional policy in the UK.





Paul Temple

Farmer, Wold Farm, Yorkshire

Making Sense of Sustainability

Northern Farming Conference 2022
Paul Temple

Sustainable without me



Unsustainable without me



Unsustainable without me or support



History

Entirely Man Made
From 2.5t to 10t/ha
Human demand lead
Mixed to Arable is one
Way
Economic pressures
Political schemes
Global markets



Which is the first critical factor for farming?

Water

- Extremes of rainfall
- Periods of drought
- Inability to predict
- Irrigating cereal crops in the UK
- Urban demand growing
- No national infrastructure
- Affecting food supply
- Driving food inflation

Carbon

- Consumption of energy
- Renewables available
- Credible measurement impossible
- Good carbon practice change can be made easily at farm level
- Carbon credits for offsetting hides reality
- Net Zero is a meaningless myth without fundamental economy change

Kielder - Largest man made reservoir in Europe - useful case history

Planned 1960's to serve
booming industrial economy

Parliament approved 1974

Built 1975 - 1981

Flooded 1982

It affected the natural
environment

Nearly 20 years in the making
would it be built now?



Conservation Agriculture - carbon & water

- Stop moving soil
- Maintain soil cover
- Use cover crops
- Rotation
- Enhance soil biology
- Mixed farming



Change of approach - ploughman by instinct

We were working deeper

Capping issues growing

Time, Power & Fuel

Brexit

Farmer to farmer

Tony Reynolds

You have to want to do it

Biology before Chemistry & Physics

Facing increasing extremes



Environmental wins - difficult to quantify

- Obvious reduced fuel & power
- No carbon loss - carbon build
- Reduced fertiliser requirement
- Worms & beetles
- Bacteria & fungi
- Small mammals & raptors
- More effective than current environment schemes
- Mixed farming helps



Sustainability is mindset - change

“It’ll never work”
“My land’s different”
“It’s easier for you”
“I tried it once”
“You’ve got livestock”

Something will work if
you want it to

ha		15.449 ton/ha
Avg-Wet * ton/ha		Weight Counter * 40.455 ton
		Moisture 13.8 %
ght, Wet 455 ton		Flow, Wet 49.578 ton/h
e Remain		Yield, Dry 15.391 ton/ha

Act local think global - think forward

Pictures are a distraction

This is the past its not coming back

Brexit has created insularity

We are farming in a global environment



“Take it to the Farmer” - Norman Borlaug

As relevant now as ever

Green revolution

Future farming is based on
an individual solution to a
problem

We learn from each other

Science and those that work
in Ag science are critical to
our future

What are the facts we need
to know?



People - smart thinking sustainability

Sustainability starts with people
Agriculture is poor with people
Demographics work against Ag
Think 'Team Agriculture'
Think 20 years
We will make the transition to
an economy functioning on
today's sunlight



Thank you - questions

How is 102649?

Weaned 7.6mnths

327kg

On environmental grass

Sustainable





Lunch Break



**Please click on the QR
code here to view all
of our guest speaker
biographies**



Northern Farming Conference 2022

Sustainable Attainable?

Wednesday 2 November



Chairman's Opening **Andrew Robinson** Head of Agriculture at Armstrong Watson Accountants

10:10 **The Rt Hon Sir Robert Goodwill MP** and Chair of the Environment, Food and Rural Affairs Select Committee

10:35 **Daniel Zeichner MP** and Shadow Minister (Environment, Food and Rural Affairs)

10:50 **Janet Hughes** Defra's Director for the Future Farming and Countryside Programme

11:55 **Henri Murison** Chief Executive, Northern Powerhouse Partnership

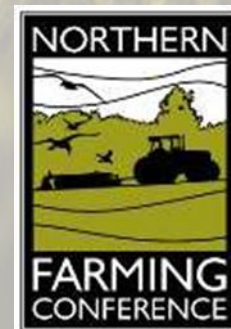
12:25 **Paul Temple** Farmer, Wold Farm, Yorkshire

Afternoon Chair **Lucinda Douglas** CLA North Regional Director

13:50 **Lizzie McLaughlin & Rebecca Wilson** Boots & Heels

14:20 **Patrick Laurie** Author, Farmer, Freelance Conservation Advisor

14:50 **Kate Hawley & Nick Prince** Forestry Commission





Lucinda Douglas

CLA North Regional Director



Lizzie McLaughlin & Rebecca Wilson

Boots & Heels



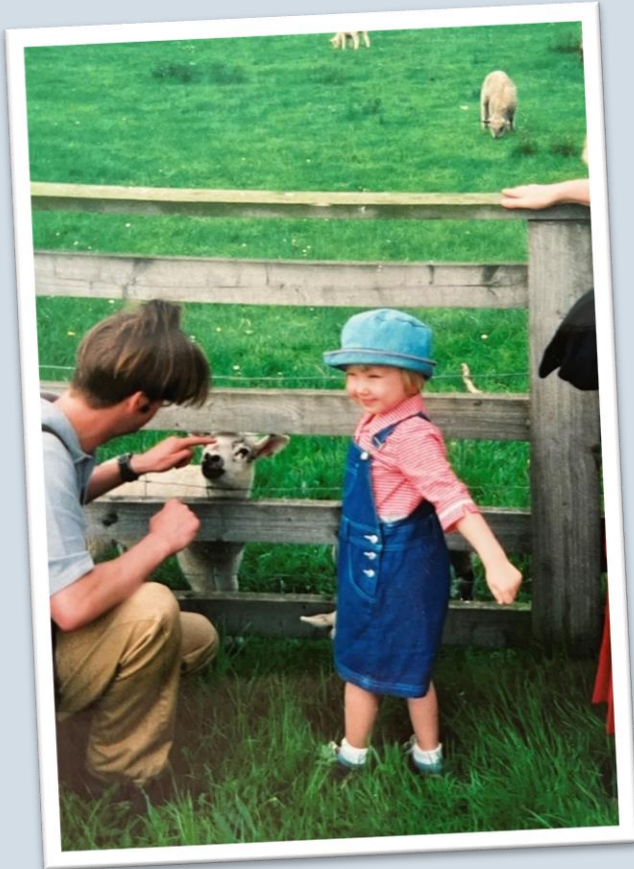
Sustainable Attainable? Farming in the digital age



@becca.and.lizzie



Lizzie McLaughlin



1999/2000- First time on farm



Graduating with a Distinction in MA Design at University of Sunderland



On shoot with Boots and Heels

Rebecca Wilson



Growing up



Graduation



Farming

Boots and Heels: two different perspectives

The Beginning

Podcast

Acquired by Farmers Weekly

YouTube

Notable Guests



Sustainability

Environmental

Financial

Heritage

People

Succession



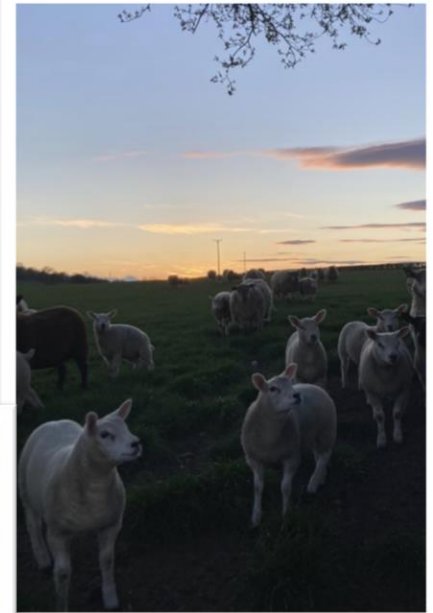
Hundayfield Farm

600 acres

Predominantly arable

Easy working loams to heavy clay

Growing sheep flock



Farming Sustainably

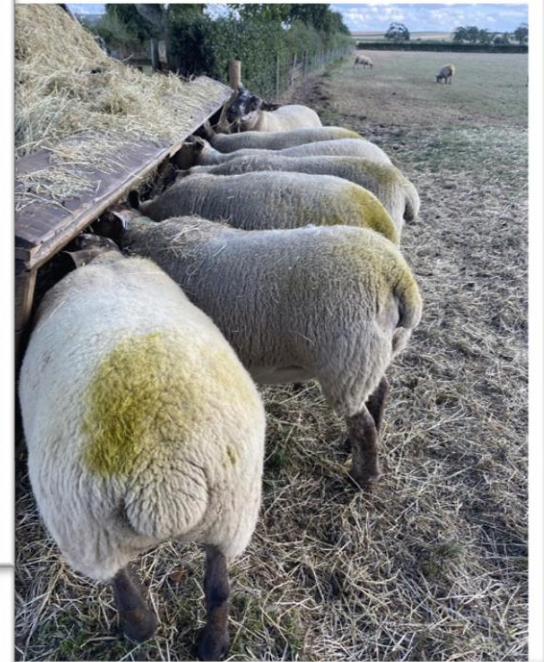
Soil health

Long rotation

Integration of livestock (and organic manure)

Strip till drilling

Technology



Measuring sustainability

Helix Initiative

Terramapping

Trials (variety and inputs)

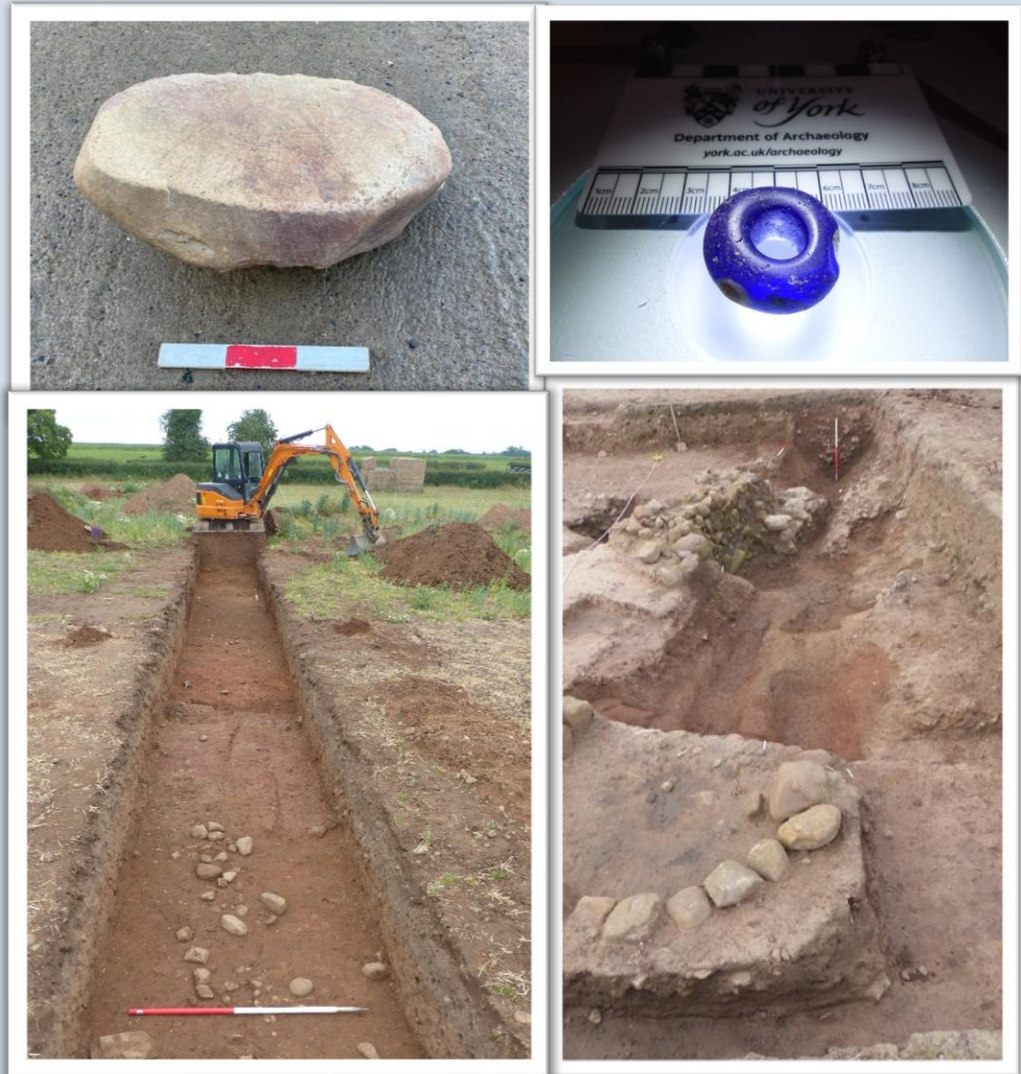


Archaeology and Heritage

Farmers as custodians

Making connections

Mid-tier opportunities



The Future

Climate change

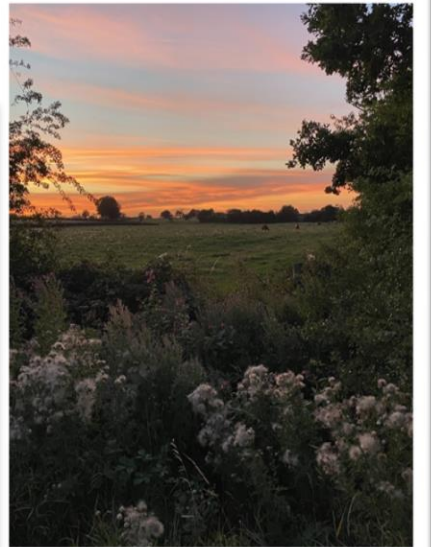
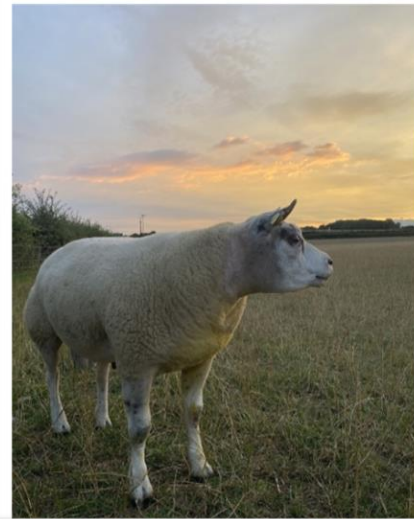
Technology

Carbon

Government policy

Succession

Diversification



Boots and Heels – Making Sustainability Attainable?

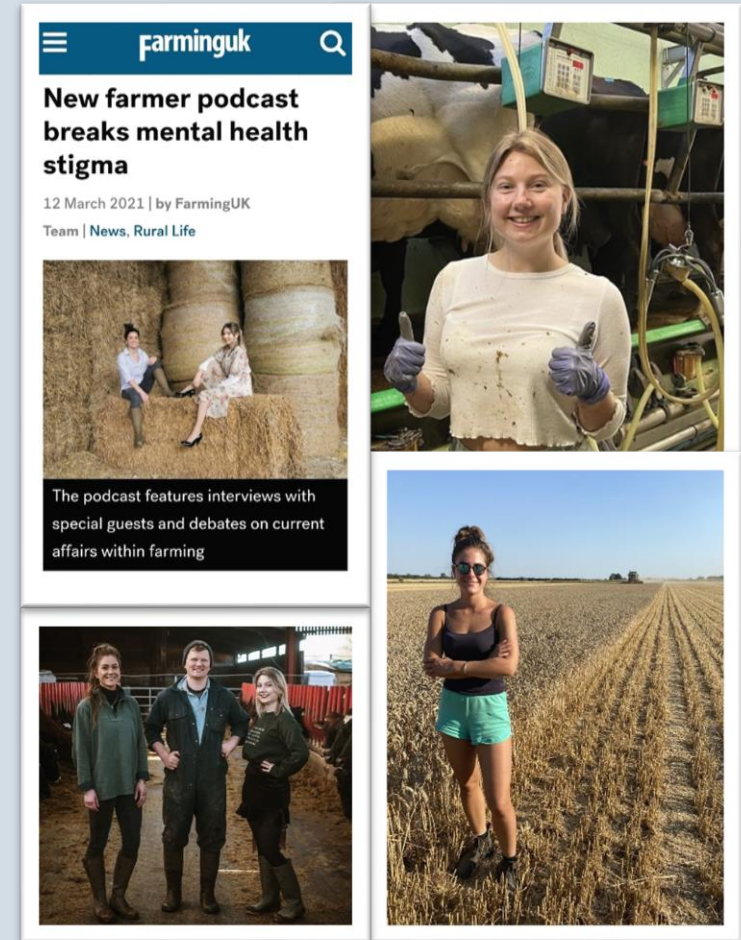
Bridging the gap

Asking the questions

Education

Careers

Support British Farming



Boots and Heels – An Underlying Theme?

Farms as family businesses

Multi- generational

Weather

Input costs

Political uncertainty



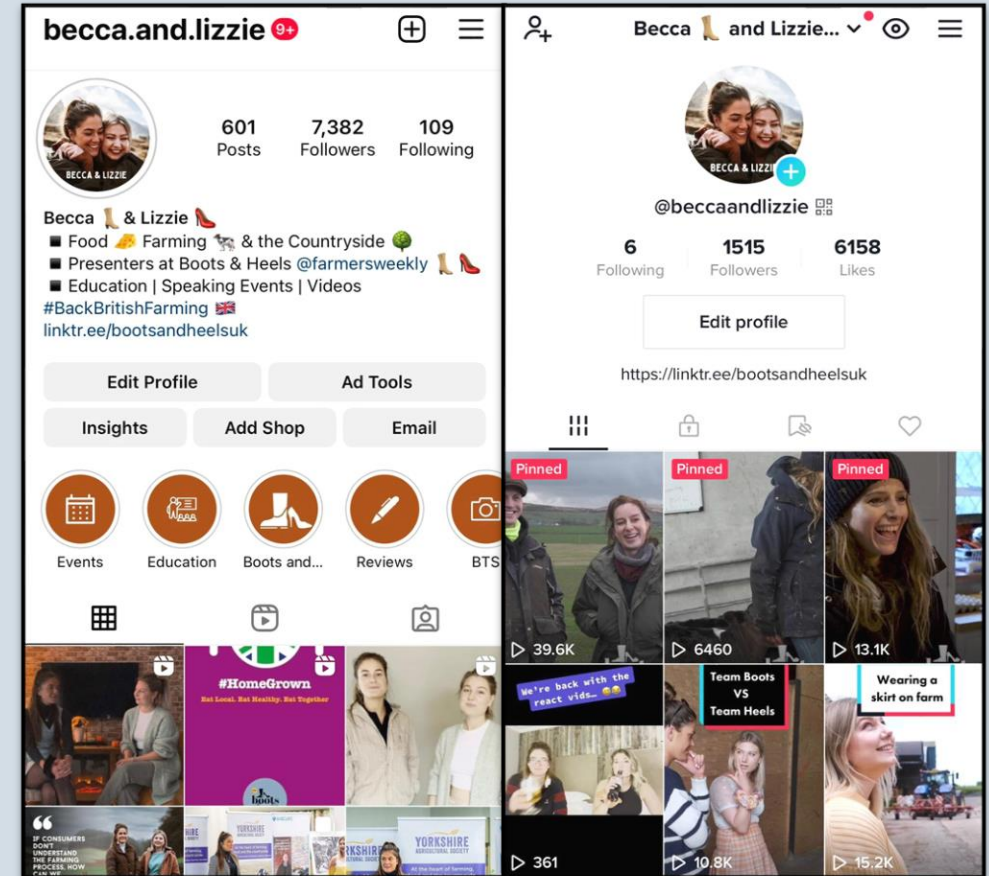
The Role of Social Media in creating Sustainability

Business Promotion

Networking

Knowledge Exchange

Consumer Connection



Final Thoughts

Succession planning

Take the leap

People

Keep questioning

Different perspectives as a strength



THANK YOU



Keep up to date on Instagram:



@becca.and.lizzie



@rebeccawilson722



@lizziemuddyheelsmac

Patrick Laurie

Author, Farmer, Freelance
Conservation Advisor



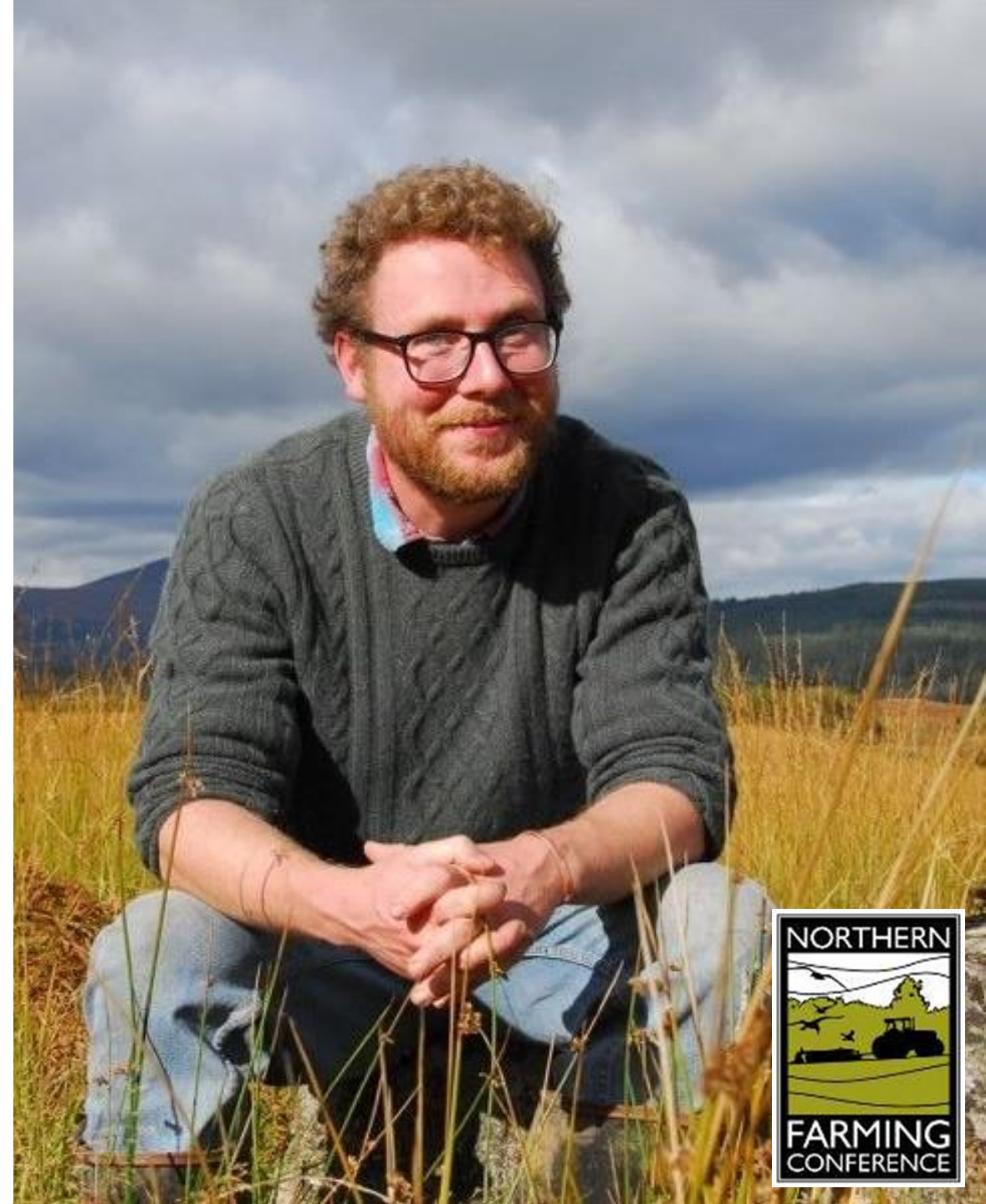
Patrick Laurie

Author, Farmer, Freelance Conservation Advisor

Patrick Laurie runs a hill farm in Kirkcudbrightshire based on pedigree Galloway cattle.

After ten years working with The Heather Trust and Soil Association, he is now a freelance conservation advisor, working with a range of farms and estates on issues around biodiversity and upland land management.

His recent book *Native: Life in a Vanishing Landscape* explored some of the social, cultural and conservation issues caused by the collapse of traditional farming in Galloway. The book is a Times Bestseller and was shortlisted for the Wainwright Prize in 2020.



Kate Hawley & Nick Prince

Forestry Commission





The Case for Trees

Kate Hawley and Nick Prince

kate.hawley@forestrycommission.gov.uk

nick.prince@forestrycommission.gov.uk

Forestry Commission

- Governments forestry experts
 - Financial support and expert advice
-
-  Guidance on planning, grants, planting and achieving UK Forestry Standards (UKFS)
 -  Woodland management
 -  Tree health
 -  Historic sites
 -  Priority landscapes, species and habitats
 -  Productive forests
 -  Deer management

An aerial photograph showing a dense, vibrant green forest. The trees are packed closely together, creating a textured canopy. In the lower-left corner, a portion of a grassy field is visible, transitioning into the forest. The lighting is bright, suggesting a sunny day.

Why plant trees?

Trees have far-reaching benefits for your business. By planting the right tree in the right place, you can diversify your income, offset emissions, and bring direct benefits to your land, crop, and livestock.



How woodland can benefit your farm?

Capture carbon

Recreation

Enhance water quality

Timber and woodfuel

Stabilise soil

Health and well-being

Increased productivity

Reduce soil and nutrient loss

Flood alleviation

Shelter crops and livestock

Improve air quality

Help keep rivers cool

Boost biodiversity

The place for trees on your farm



The place for trees on your farm – even in productive areas?

The place for trees on your farm – even in productive areas?



Low lying or buildings

Screening & wetter areas



Search the site here



Livestock

Crops and soils

Environment

Rural Business

Advice & Grants

Home > Articles > Using woodlands to reduce ammonia emissions from animal housing

Using woodlands to reduce ammonia emissions from animal housing

18 June 2019

A new tool has been launched to help farmers plant trees to reduce ammonia emissions from animal housing. Trees can capture ammonia in the canopy and help disperse plumes of air pollution but it's crucial to plant the right species in the right layout for this to be effective.

The guidance advises planting evergreen trees in a dense barrier around the edge of the belt, with more openly spaced ammonia capturing species between the barrier trees and the building (see diagram).



Less productive areas

Hedges and edges

Hedges are part of an ancient agroforestry tradition. Together with hedgerow trees and other field edge habitats, they form an extensive habitat network that's crucial to wildlife and defines our landscapes. They provide lots of practical benefits including protecting livestock from weather extremes, aiding biosecurity, mitigating flooding, and enhancing soil, carbon and water resources.

Why is agroforestry good for farmers?

Take an upland sheep farmer. Well managed and carefully placed shelterbelts, hedgerows and in-field trees can boost their flock performance, improve animal health and welfare and ultimately enhance farm profitability. The trees deliver all this through:

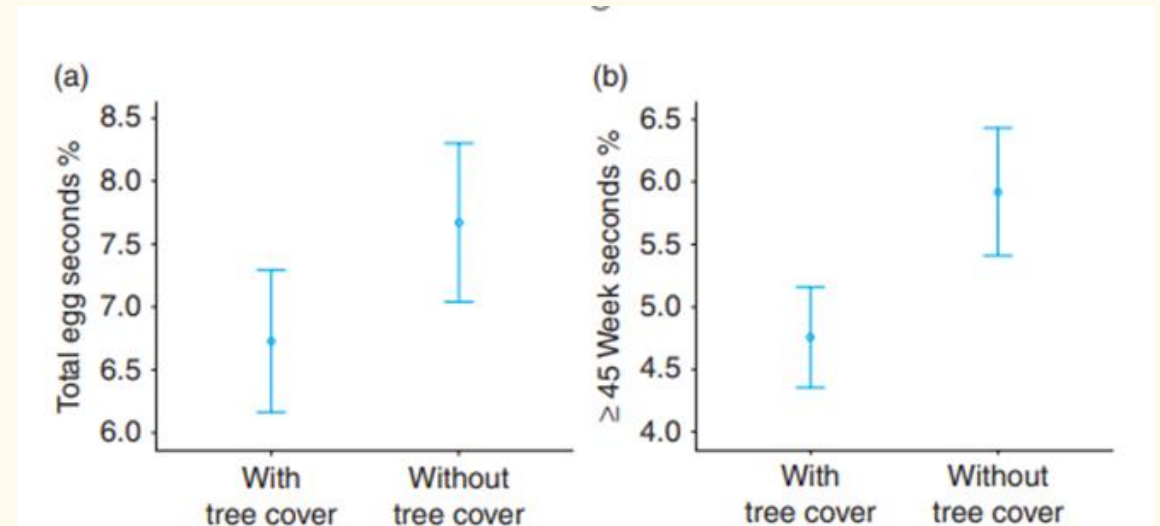
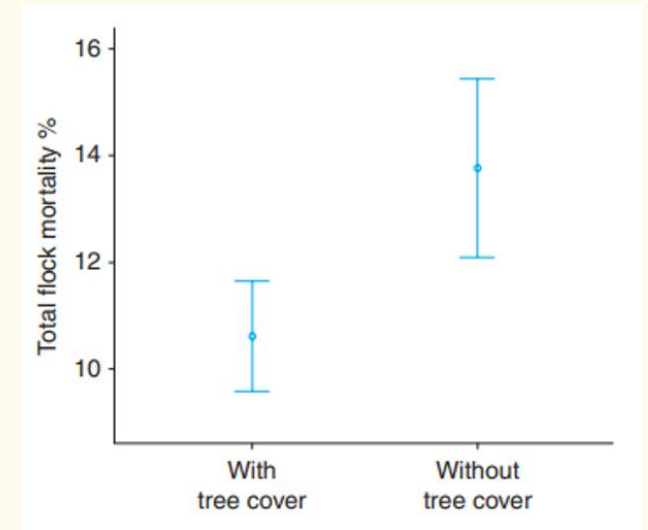
- shade and shelter
- browse for the animals
- improved water carrying capacity of the land
- better soil health.

Less productive areas



Poultry industry: Peer reviewed research

- Average mortality for free-range laying hens = 12%
- **Under trees**
- 3% less mortality
 - In a flock of 10,000 birds (average UK flock = 16,000) this means:
 - Additional 300 birds / assuming 288 eggs per bird
 - Equals 7,200 dozen eggs
 - @£1/dozen = **£7,200**
- More Class A eggs
 - 4,800 dozen eggs
 - Saving of **£3,360** over the life of the flock



The Carbon Neutral Beef Company

Our perspective on farming changed when we had Beatrix, and the climate debate came to the forefront of media and debate. The Penny dropped, it became our mission to have a truly regenerative, sustainable and ultimately Carbon Neutral Farm.

How are we doing this?

With all the news reports and documentaries circulating, you would be forgiven for thinking that Livestock Farming is Bad for the environment and incompatible with nature. This simply does not have to be the case. Below are the steps we are taking.

The new reality

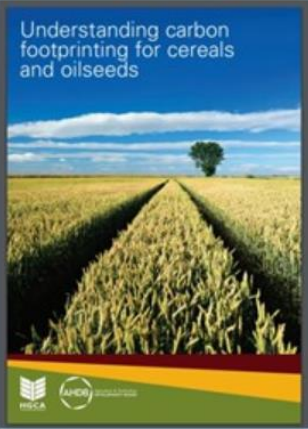
[Home](#) [Shape the future](#) [Marketing](#) [Markets and prices](#) **[Knowledge library](#)** [Tools](#) [Events](#) [News](#) [About AHDB](#) [Contact us](#)

Home > Knowledge library > Carbon footprinting for cereals and oilseeds

Carbon footprinting for cereals and oilseeds

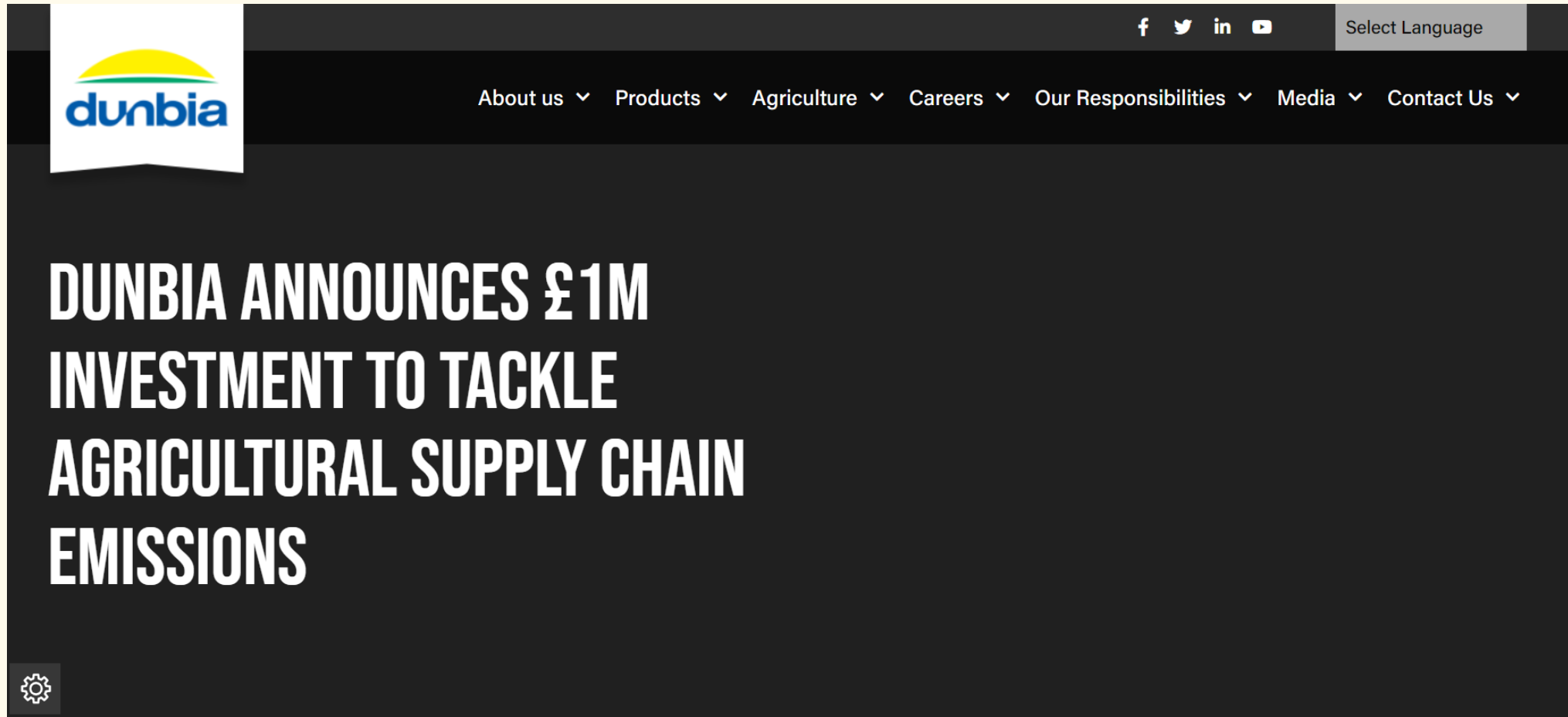
This guide provides an introduction to carbon footprinting, explaining what information is used to calculate one and what can be done to reduce greenhouse gas emissions.

[Download resource](#)



Cookie Settings

The new reality



The capital value of woodland

RAYDALE FOREST

LOCATION	YORKSHIRE DALES	GUIDE PRICE	OFFERS OVER £3,500,000
AREA	166.69 HECTARES / 411.89 ACRES	STATUS	AVAILABLE



A highly productive commercial conifer forest with large volumes of mature timber and high quality restocking.

- Substantial volume of timber ready for harvesting
- Tried and tested forest roads and infrastructure
- Almost half the area restructured with improved Sitka spruce
- Fertile site suitable for growing high yield class timber crops
- Located within the Nidderdale AONB

[DOWNLOAD BROCHURE](#)
[DOWNLOAD SALE PLAN](#)
[CONTACT US](#)

Get paid for planting

- Woodland Creation Planning Grant (WCPG)
- England Woodland Creation Offer (EWCO)
- Forestry England Woodland Partnership
- Woodland Carbon Code
- Woodland Carbon Guarantee
- Partner grants

www.gov.uk/forestry/tree-planting-funding

Collection

Tree planting and woodland creation: funding and advice

Read about opportunities to plant trees and create woodland on your land.

From: [Forestry Commission](#)

Published 29 October 2021

Last updated 9 February 2022 — [See all updates](#)

Contents

- Support to plan your woodland creation project
- Tree planting and woodland creation grants and incentives
- Grants and incentives for non-woodland trees
- Other sources of funding and advice
- Support for woodland management

Related content

[England Woodland Creation Partnerships grants and advice table](#)

[England's Community Forests overview table](#)

[Local Authority Treescapes Fund](#)

[Tree planting and woodland creation case studies](#)

[Forestry England Woodland Partnership](#)

Support to plan your woodland creation project

The following Forestry Commission administered grant schemes can support you to plan your woodland creation project.

[Woodland Creation Planning Grant](#)

Woodland Creation Planning Grant

- Enables applicants to access the suitability of land for woodland creation
- Available to landowners, land managers and public bodies (excluding Forestry England)
- Cover the costs of producing a UKFS compliant woodland design
- Supports applications to other funding sources, such as EWCO
- Proposed woodland needs to be a minimum of 5 ha
- Up to £30,000 per site available



England Woodland Creation Offer

- EWCO is our flagship new grant scheme
- Reward farmers and landowners for establishing new woodland that offers environmental and social public benefits
- Cover standard costs for the capital activities and items required to create woodland
- Maintain young trees with annual payments
- Support the actual costs of installing infrastructure to manage the woodland or improve recreational access
- Allows the flexibility to create woodland that works for your business – applications can be from as little as 1 ha, which can be made up of blocks as small as 0.1 hectare
- Applications are open year-round



England Woodland Creation Offer

Land is eligible if it is:

- in England
- within the full management control of the applicant (or, where applicable, any counter-signatories)
- not already classified as woodland
- not subject to any existing legal requirement or obligation to create woodland
- not subject to a dispute between landlords and tenants
- not currently within an existing grant agreement that has more than five months left to run at the time the EWCO application is submitted



Additional contributions

Offer greater recognition of the public benefits and ecosystem services provided by woodland

Nature recovery – high/medium	Up to £2,800/ha
Water quality	£400/ha
Reduced flood risk	£500/ha
Riparian buffers	£1,600/ha
Close to settlements	£500/ha
Access	£2,200/ha

How EWCO stacks up

Private finance

Timber, carbon, private finance for ecosystem services

Additional contributions

Up to £8,000/ha when contributing to additional benefits

Actual cost support for activities

Contribution towards the actual cost of infrastructure

Annual maintenance payments

£300/ha per year

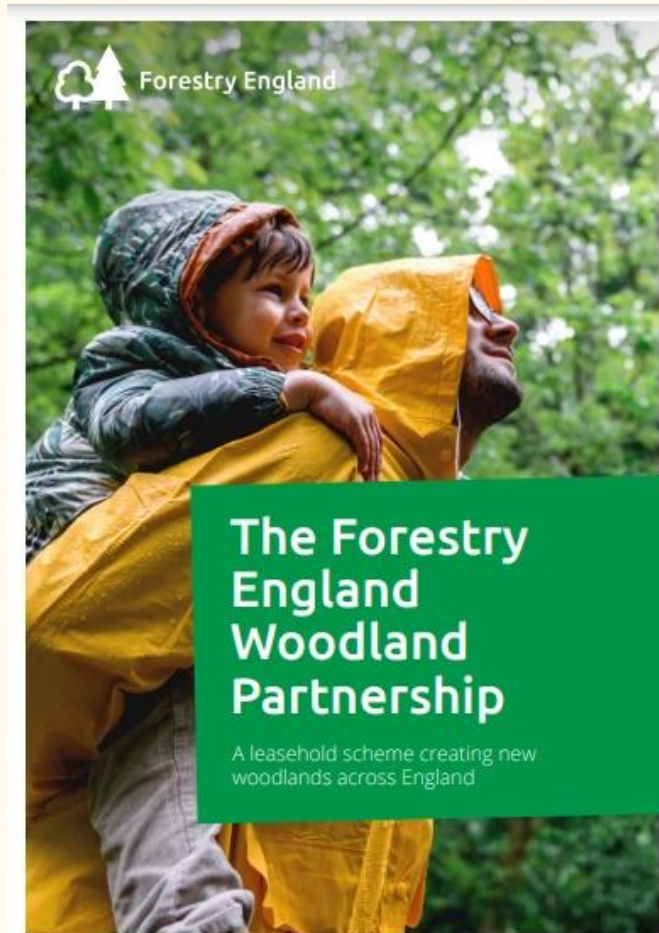
Basic Payment Scheme compatibility

Continue to claim BPS on eligible land planted under EWCO

Capital costs

Up to £8,500/ha to support tree planting activities

Forestry England Woodland Partnership



- A leasehold scheme offering commercial rent to landowners
- Forestry England are responsible for the designing, planting, and management of your woodland
- Minimum of 50 ha
- 60 or 120 years leasehold



Woodland Carbon Code

- Internationally recognised accreditation
- Voluntary code that encourages a consistent approach to woodland carbon projects
- Offers clarity and transparency through validation / verification
- Predict carbon capture with online calculator
- Sell to those wanting to offset CO₂



Woodland Carbon Guarantee



- Schemes must be registered with the Woodland Carbon Code to be able to apply for the Woodland Carbon Guarantee
- Annual auction with offer to sell carbon to Government
- Guaranteed index-linked price until 2055
- Provides long term income
- Can opt out and sell privately if you get a better price
- Price set at a level to make planting worthwhile

Partner grants



England's Community Forests Tree for Climate Fund:

englandscommunityforests.org.uk/landowners



The Great Northumberland Forest:

www.nland.uk/gnf



Woodland Trust:

woodlandtrust.org.uk/plant



White Rose Forest:

whiteroseforest.org



Support at every stage

Planning and design

Planting and establishment

Long term viability

Next steps

- Start the discussion process!
- Get your free tree pack today
- Let us have your contact details and we can follow up
- richard.wilson@forestrycommission.gov.uk

Useful resources

- Tree planting and woodland creation: overview – GOV.UK
- England Woodland Creation Offer – GOV.UK
- England Woodland Creation Offer grant manual and application form – GOV.UK
- Register for Rural Payments – GOV.UK
- The UK Forestry Standard – GOV.UK
- A guide to planning new woodland in England - GOV.UK





Final Q&A



Thank You For Attending

**Please click on the QR
code here to access
our feedback survey**



Paper copies are also available at the registration desk

