



Innovations in Domestic Biomass Feedstock Production: The Envirocrops web app

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Funded by



Department for
Energy Security
& Net Zero

Project Collaborators

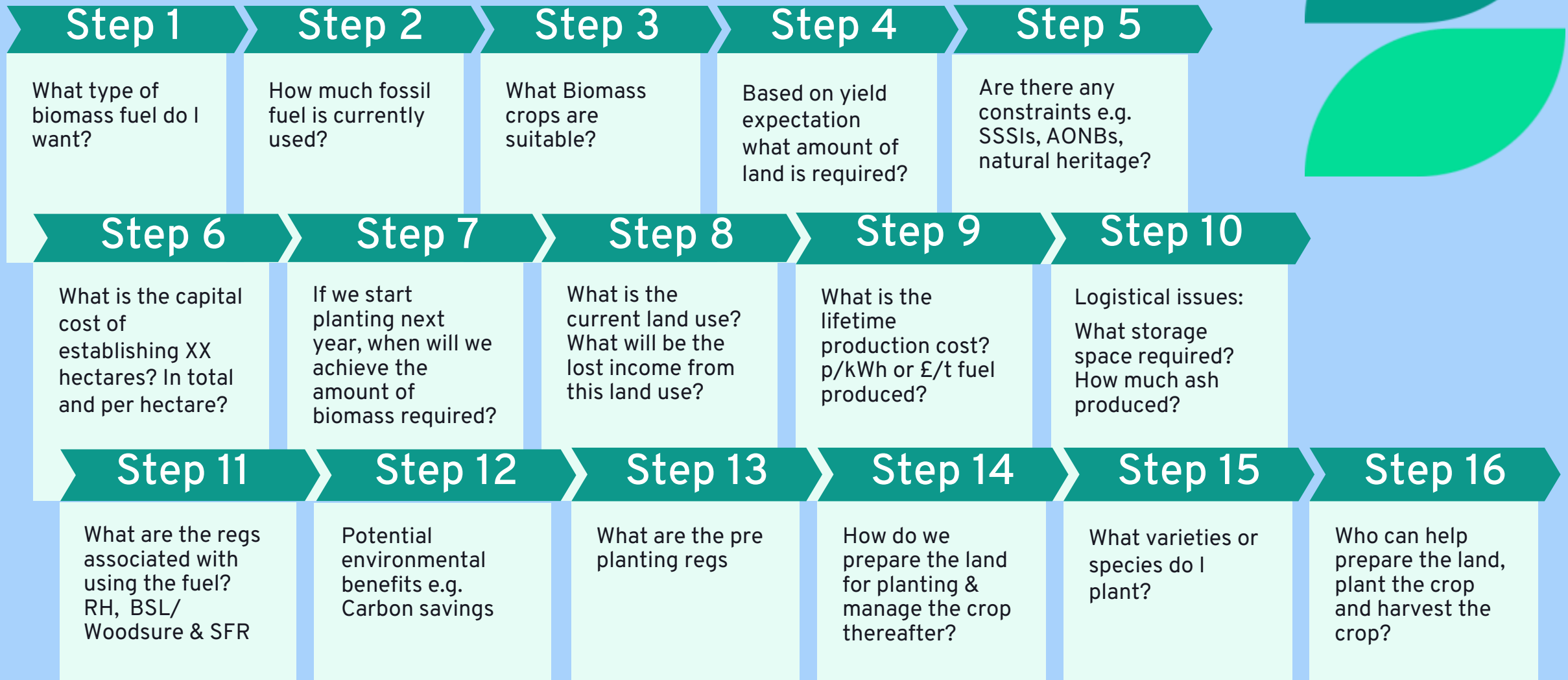
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NFU
ENERGY

CALVIUM^o

Typical steps in a biomass crops FS

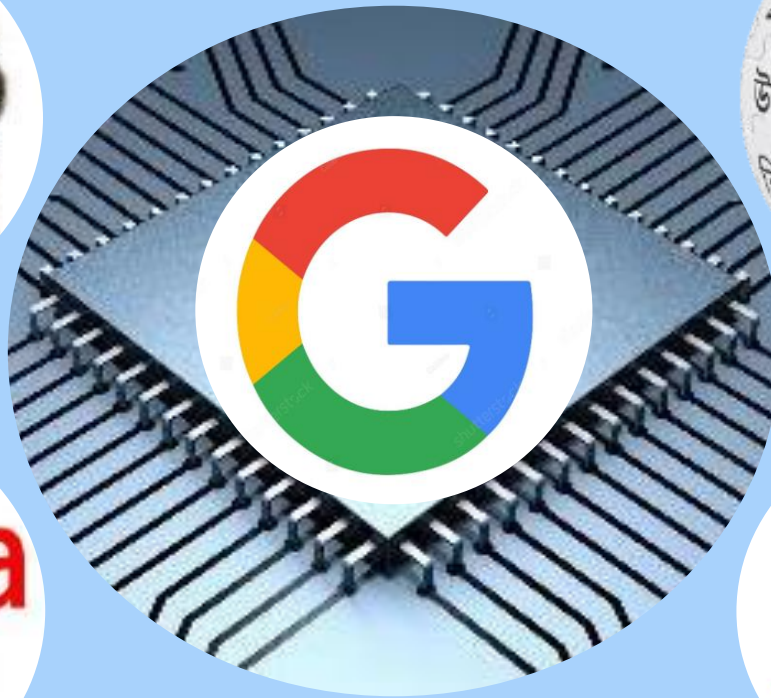


Biomass crops information

- Farmer led investigations
 - Internet based
 - Scattered info
 - Out of date
- Independent consultancy support
 - Few experts
 - Has a price tag
- Practitioner based information
 - Not independent
 - Usually one tracked
 - Comes with sales pitch



The Envirocrops revolution



Answers to the big questions*

- How much land do I need to become self sufficient?
- What are the best biomass crops and the best varieties?
- How long will it take to get to peak production?
- How much will it cost to produce?
- What is the return on investment?
- How much space will it require to store?
- Will it require drying?
- How much ash will be produced?
- Are there any legal requirements?
- Who are the best people to help me do it?

* For those that already have a biomass boiler





Willow



Miscanthus



Eucalyptus



Poplar



Novel Energy
Crops



Energy
Grasses





Sign up

www.envirocrops.com

Get started

Before you get started, we need to ask a few questions to better understand your current position and background. Once we have gathered a few details, you will be able to plan your land to help determine which crop is best, as well as the estimated yields and timescales.

Continue →

Already have an account? [Log in](#)



 Envirocrops

Stem Game

www.envirocrops.com/play





Total balance
£90,915

Production
743.93t

End of game



Bad luck! You made some mistakes and missed your target. Remember there is always help available, you only have to ask! Time to try again!



Your land only produced **743.93 tonnes**.
You didn't reach your goal of **800 tonnes**.



You end up with £90,915, making a profit of **£65,915**.

Play again →



 **Envirocrops**

Enter our competition to
be in with a chance to win!

<https://envirocrops.com/resource/PrizeCompetition>



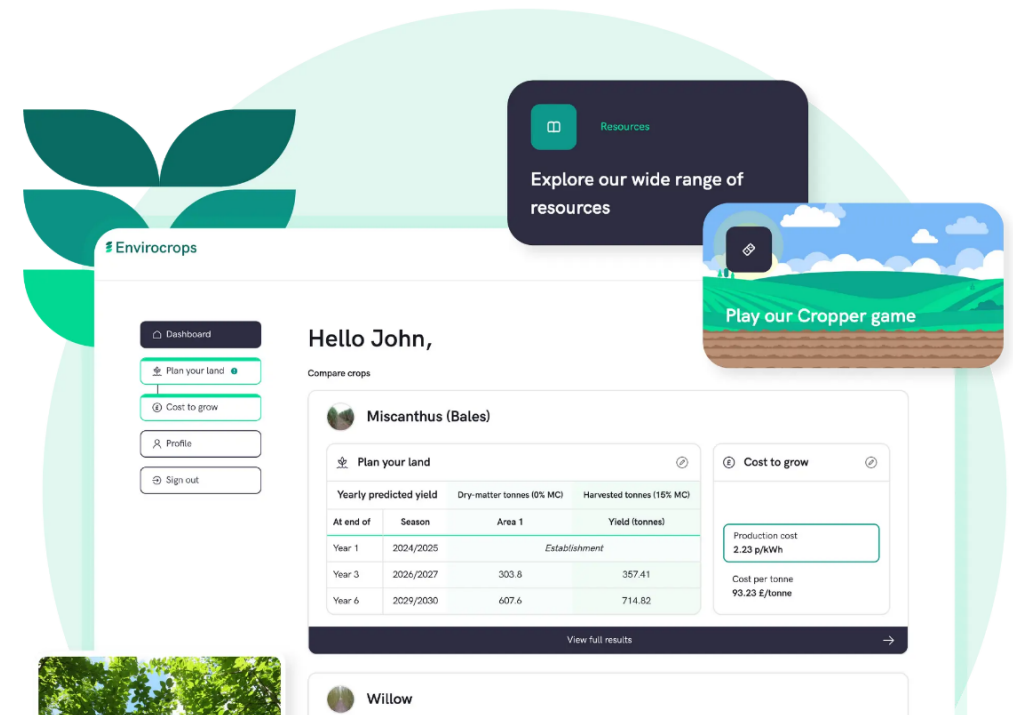
Envirocrops

Intelligent and accessible – the free decision making web based app putting you in control of biomass production.

Get Started

ps://envirocrops.com

www.envirocrops.com



Complete the table below

Select the tick boxes that apply to you and edit the estimated values if needed.

Land Preparation Operations - Miscanthus (Bales)

Operation	Cost / ha	Number of operations
<input checked="" type="checkbox"/> Ploughing	£70 	 1 
<input checked="" type="checkbox"/> Power Harrowing	£70 	 1 
<input checked="" type="checkbox"/> Rolling	£30 	 1 
<input checked="" type="checkbox"/> Sub-Soiling	£70 	 1 
<input checked="" type="checkbox"/> Discing	£50 	 1 
<input checked="" type="checkbox"/> Fertiliser Spreading	£200 	 1 
<input type="checkbox"/> Pre-Plant Spraying	£0	1

Why should you be interested?

- Boiler owner / landowner – find out how to become self-sufficient and save on fuel costs
- Boiler owner / non landowner – find out likely costs of buying fuel
- Woodfuel supplier – biomass crops that might plug a supply gap
- Consultant / Carbon trader / Agricultural student – get up to speed with the latest developments
- Small companies – online directory and marketplace
 - Selling plant materials, contractor, consultant, woodfuel supplier, service engineer, agronomist
- Policy maker / Academic – test proposed policy incentives and see if they make financial sense / market trends



Thank you for your attention

[envirocrops.com/resource/Prize
Competition](https://envirocrops.com/resource/PrizeCompetition)

[App feedback](#)
[Cropper feedback](#)

