

# LandEnergy Soils



WORKING WITH



## Naturally revitalise your soil's microbiome

- **Eliminate ALL synthetic fertilisers**
- **Harness carbon and increase nutrients**
- **Revolutionise soil health**



LandEnergy



Grown in Britain  
GIB-COC-SA-5173

**'It's what's underneath that counts'**



# LandEnergySoils

Land Energy has revolutionised soil health and crop growth by harnessing carbon and nutrients from specific organic wood fibres, blending them with living compost and natural nutrition. This creates a **super natural soil** where plants can thrive.

Our ground-breaking process revitalises soils, enabling the cultivation of crops, plants, and trees **without the reliance on synthetic fertilisers**. Soluble natural nutrients, which **enhance your soil's natural biome** and which don't harm soil microbes, are used instead.

## Naturally rich, native British fungal microbial blends

### DID YOU KNOW...

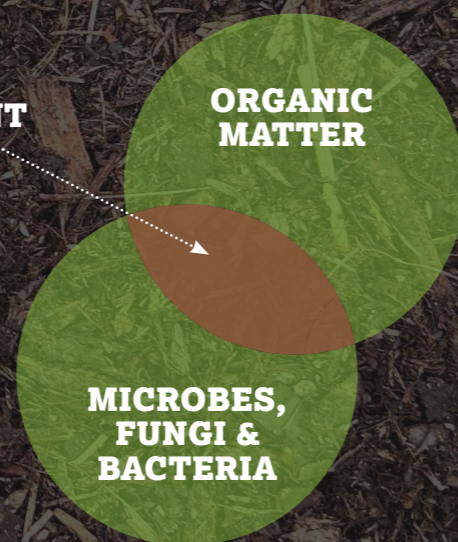
Our soils have the capacity to hold a carbon reservoir three times greater than exists in the atmosphere - an amount so significant it could help cool the planet.

Each time the soil is ploughed, stored carbon is released into the air. This process damages soil structure, slices through earthworms, and disrupts essential fungal networks.

Rainwater collects in the trenches left behind, washing away topsoil and nutrients as it flows to field edges and into waterways.

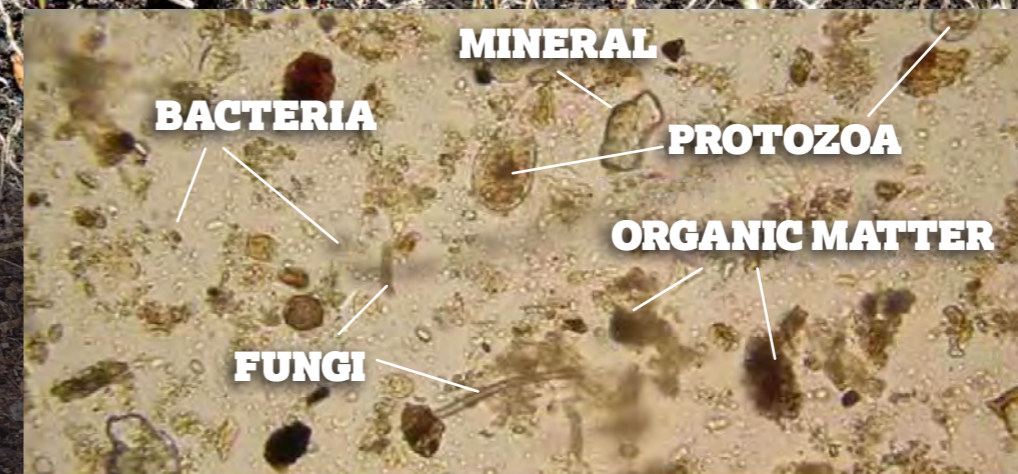
Land Energy Soil is a natural fertiliser which uses native British microbial communities to enhance the biology of poor quality or intensively-managed soils.

OPTIMAL PLANT NUTRITION SWEET-SPOT



## LandEnergySoils

By embracing Regenerative Agriculture principles, our collaborative trials involve using living compost to rejuvenate barren arable soils, reintroducing essential microbial life and nutrients for the benefit of crops.



### DID YOU KNOW...

75% of insect species have declined since the 1960s\*. Rivers are losing plant life and whole populations of freshwater fish because of algae blooms caused by nitrate run-off from synthetic fertilisers.

\*PROFESSOR DAVE GOULSON

**'A healthy soil is a fabulously complex ecosystem, comprising countless billions of microscopic organisms all working away in their own little niches, feasting on each other and sugars exuded from the roots of growing plants. The whole system is ultimately fueled by growing plants, whilst at the same time the system helps the plants grow.'** JOHN CHERRY, GROUNDSWELL FOUNDER

Land Energy uses a biologically complex compost created at scale using recipes to cultivate a living soil microbiome, consisting of fungi, bacteria and natural balanced nutrients. So far, this approach has yielded remarkable results, nurturing a wide variety of crops including salad, heath-plants, broadleaf and conifer trees – and conventional cereal crops.

**1 tonne Land Energy Soil = 5 tonnes of CO2 saved compared to synthetic fertilisers**

### DID YOU KNOW...

Trees and crops communicate underground through mycorrhizal networks. Tiny fungi that colonise a plant's root hairs act as intermediaries, functioning like underground brokers. These fungi extend deeper into the soil than the plant's roots, exchanging liquid carbon released by the roots for essential nutrients, supporting the plant's growth.

## Super. Natural. Soil.

- Naturally occurring beneficial mycorrhizal fungi species
- Disease suppression
- Enhanced plant vitality and quality
- Improves soil structure
- Improved weather resilience
- Mimics the properties of peat



## Reducing Carbon Pollution

The outcomes of our agricultural trials have consistently demonstrated the superiority of the living soil approach over ordinary methods, notably it eliminates the need for synthetic fertilisers.

Synthetic fertiliser is derived from fossil gas (methane, CH<sub>4</sub>), and is a major source of carbon pollution and ultimately climate change. It is also responsible for algae blooms in water courses due to surface water run-off from agriculture.

Land Energy Soil demonstrates the ability to reduce the risk of flooding and drought by increasing the ability to retain higher levels of water - building resilience to different weather events. This eliminates the risk of both water run-off and harmful pollution. It also retains higher levels of soil carbon.

Our approach with natural living soil is showing tremendous promise lowering crop pests and disease pressures such as aphids and mildew.

**'A seasonal release of minerals takes place in biologically active soil - it is alive!'**

## We're on a mission...

Forestry trials tell a powerful story: 70,000 trees and crops have been cultivated across England, Wales, and Scotland. Trees grown in living soils not only flourish but also demonstrate impressive resilience to pests and diseases, consistently outshining those raised with synthetic methods.

**'We need to revolutionise agriculture, forestry and horticulture by eliminating ALL synthetic fertilisers'**

For more information: Contact Simon Bullock  
07425 421837 soils@land-energy.co.uk  
www.land-energy.co.uk

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## Core

### Growing Mulch

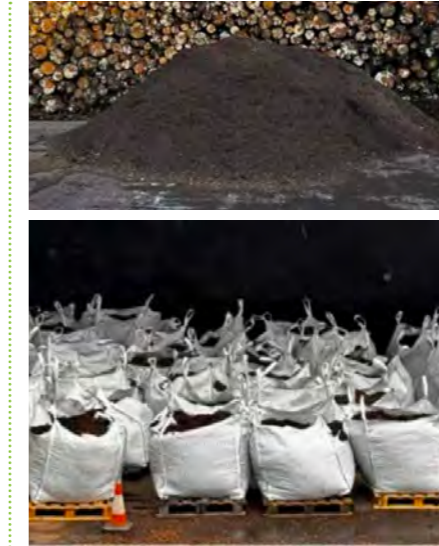
#### Good for...

Hedge planting, tree growing and home gardens.  
Great weed suppressant.  
Adds natural nutrition and microbes.

#### SPECIFICATION

- 8mm-40mm particle range
- 100% UK sourced
- Moisture content: 50-65%
- Bulk density: 350-500kg/m<sup>3</sup>
- pH range: 4.5 - 5.5
- Brown/black in colour
- Durable and long-lasting

#### AVAILABLE



## Pro

### Perfect Growing Media

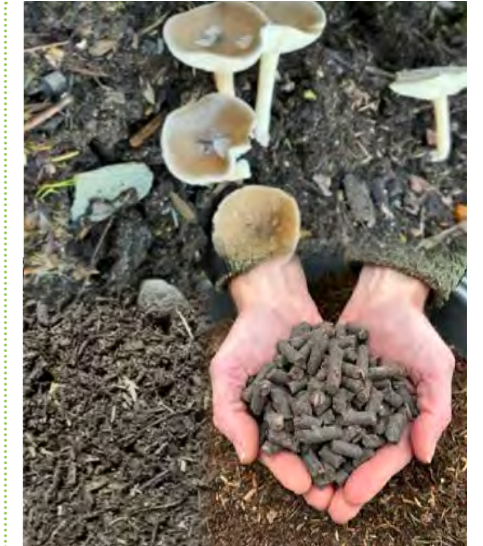
#### Good for...

Horticulture, tree nurseries.  
Great peat-free alternative.  
Ideal for cell-grown trees.  
Adds natural nutrition and microbes.

#### SPECIFICATION

- 0-10mm particle range
- 100% UK sourced
- Moisture content: 50-65%
- Bulk density: 350-500kg/m<sup>3</sup>
- pH range: 5.5 - 7.5
- Brown/black in colour
- Durable and long-lasting

#### AVAILABLE



## Elite

### Fertiliser Pellets

#### Turbo charge your soil

Natural nutrition, added biology and extra microbes to rebuild soil structure, increase nutrient cyclers and help sequester carbon. Tailored to enhance growth across a range of plants.

- Suitable for tree nurseries, horticulture, agriculture and landscaping.
- 6mm pellets can be applied through direct seed drills, trailed spreaders, calibrated muck spreaders. They can be applied in grams per tree or plant.

#### AVAILABLE



TO ORDER: Contact Simon Bullock 07425 421837

soils@land-energy.co.uk