 Joined up Thinking
LEAF Annual conference 2024

1st February 2024

Duncan Farrington
Farm Details – Bottom Farm

- Northamptonshire, England
- Average rainfall 550 to 600mm
- 290ha arable farm
- Soil 45% clay, 37% silt, 18% sand
- Stopped ploughing in 1998
Farrington’s Mellow Yellow
The Big Picture

Distribution of Eco-segments

We see more engagement than ever from people in the UK

<table>
<thead>
<tr>
<th></th>
<th>2021</th>
<th>2022</th>
<th>2023</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eco-Actives</td>
<td>27%</td>
<td>24%</td>
<td>33%</td>
</tr>
<tr>
<td>Eco-Considerers</td>
<td>44%</td>
<td>41%</td>
<td>43%</td>
</tr>
<tr>
<td>Eco-Dismissers</td>
<td>29%</td>
<td>36%</td>
<td>25%</td>
</tr>
</tbody>
</table>

Great Britain

UNDERSTAND SUSTAINABILITY TRENDS

KANTAR

Understand Sustainability Trends, KANTAR, 2023
Regenerative IFM Farming
Be Prepared to Help Nature
It’s a Whole Farm Approach
Sustainable soil management could absorb enough carbon to offset between 10% to 30% of total global carbon emissions. This is equivalent to all the CO$_2$ emitted by global transport use. Research suggests that by increasing soil carbon content from 1% to 3% on agricultural land globally would take 1 trillion tons of carbon dioxide out of the atmosphere, bringing it down to pre-industrial levels.

Sources:
Growing a Revolution, Bringing our soil back to life. Montgomery. D.A 2017
www.indigoag.com/the-terraton.challenge
Soil Analysis Trend

Soil organic matter %

Cation Exchange Capacity meq/100g

Soil organic mat  CEC  Linear (Soil organic mat)  Linear (CEC)
Absorbing CO$_2$

This one field absorbs enough CO$_2$ (around 14 T/Ha/Year) from the atmosphere every year to offset the equivalent emissions from around 200 Mellow Yellow Minis off UK roads.

At the whole farm scale, it totals around 2,778 cars.
Horizon 2020 project to explore an affordable, verifiable, robust, and scalable solution to measure carbon capture in soil

Using: Earth Observation; LUCAS data; AI; farmer geo-tagged sampling points
It’s also about Nutritious Food

A study of the mineral depletion of foods available to us as a nation over the period 1940 to 1991.
Sustainable Agriculture is........
Joined up thinking.

- Income from produce grown
- Income from public money
- Potential income from Carbon and Biodiversity services trading
- Potential income from Eco-Tourism and Consumer engagement

It’s the right thing to do for all of our futures.
Thank You!

www.farrington-oils.co.uk
duncan@farrington-oils.co.uk
pr@farrington-oils.co.uk

@FarringtonsMellowYellow
@MellowYellowKitchen

@RapeseedOilFans
@RapeseedOilMan

enquiries@leaf.eco
www.leaf.eco_
@LEAF_Farming