



Broughton Grounds Farm



Mixed livestock and arable production systems –
what does sustainability look like in practice?



Broughton Grounds Farm

- 400 acre / 162 ha tenanted farm, risk-averse, see our role as stewards
- Arable land in 6 yr rotation (wheat, barley, turnips, clover)
- 500 ewes, 90 cattle, 400 hens and about two million bees!
- One integrated system, not isolated enterprises
- Varied habitats which we strive to protect / enhance

What makes a farming system sustainable?

- Resilience i.e. system's ability to withstand challenges.
- Mixed system can build resilience.
- Environmental, social and financial pillars.
- Each has challenges at the moment!

UK saw hottest-ever year in 2022 as Europe's climate warms

The three Fs: why UK farmers fear the soaring cost of fertiliser, feed and fuel

Price of key commodities have surged because of Covid and Brexit, and now the war in Ukraine

GO VEGAN
SAVE
THE
EARTH



Farm subsidy plan 'risks increasing the UK's reliance on food imports'

Government scheme to replace EU agricultural payments fuelled by 'blind optimism' and still lacking crucial details, say MPs

NFU President Minette Batters said the UK-New Zealand deal, as with the one signed early this year with Australia, has little benefit for British farmers and that a coherent approach is needed to bolster UK farming's productivity.



Spring ... lambing, planting and feeding cereals,
swallows return, school visits and open day, shearing





Summer ... hay-making, shepherding, bee-keeping, harvest, hoping for just the right amount of rain!





Autumn ... harvest continues,
planting cereals, rams get busy,
cows calving, visits!

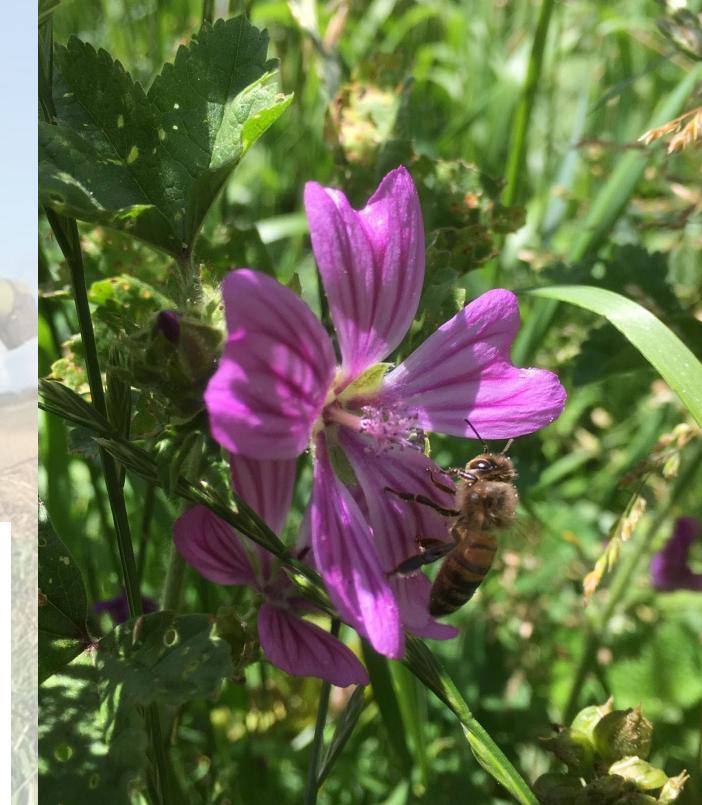




Winter ... house cattle,
Christmas poultry,
maintenance, turnips



Environment



GREENHOUSE GAS EMISSIONS



CROPS
4%



LIVESTOCK
7%



RESIDENTIAL
16%



BUSINESS
18%



ENERGY SUPPLY
21%



TRANSPORT
24%



Environment



- Very high soil organic matter (9.9% – 13%)
- Moderate NPK fertiliser use
- Grazing helps enhance biodiversity – 135 grassland species in one field
- Improving genetics to enhance efficiency and work towards net zero

Social



- Mixed farming helps keep people on the land
- We give young people an opportunity to develop a career in agriculture
- Farming can be isolating / stressful
- Care farming before we knew what it was!

Social



Financial



Financial

Commodity	HSBC 2023 projected production cost	Market price January 2023
Feed Wheat (tonne)	£232	£220
Lamb (kg)	£2.24	£2.40
Beef (kg)	£2.58	£2.60



Local Produce / School Visits / Bed & Breakfast

We offer fresh boxed beef throughout the year. Boxes contain 10kg of Broughton Grounds prime beef, hung for 28-30 days and butchered locally. A typical box contains a single rib or rolled sirloin joint, two topside roasting joints, rump, fillet and braising steaks, stewing beef and mince in 500g packs.



Free-range hens eggs are always available at the farmhouse door and we deliver to local villages on Thursdays.

Our honey is also available from the farmhouse throughout the year, and colonies of bees are available to buy in the spring.

Free-range Christmas poultry can be pre-ordered from September each year.



For more details please contact:

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Broughton Ground's SWOT

- Strengths are habitats, spreading risk, keeping nutrients in the system, family labour, social offer
- Weakness is finding the off switch!
- Opportunity is getting closer to consumers
- Threats are over simplification of environmental issues, price volatility, removal of safety net