

Carbon Footprint Study

Tolhurst Organic



www.farmcabontoolkit.org.uk

- The aim of FCCT is to encourage and support farmers and growers to reduce their farm greenhouse gas emissions, increase their farm energy resilience and in doing so also improve their farm business in the future.



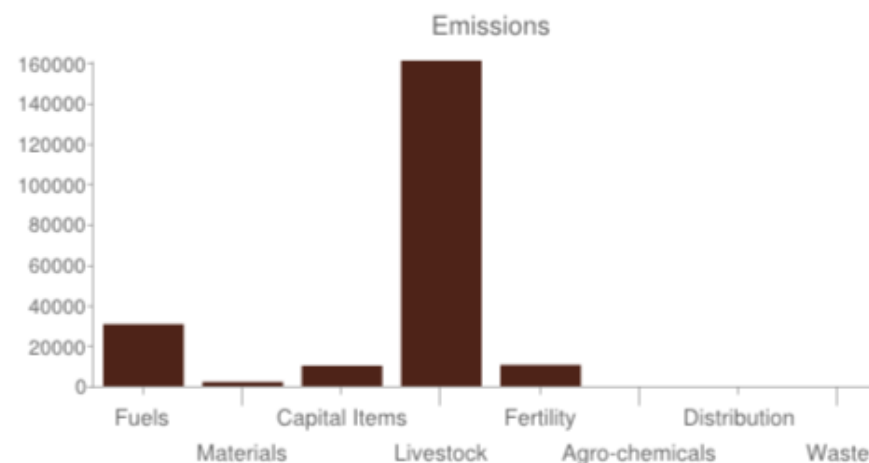
TOTAL CARBON BALANCE: -210,705 CO₂ (kg/year)



Farm Carbon Calculator

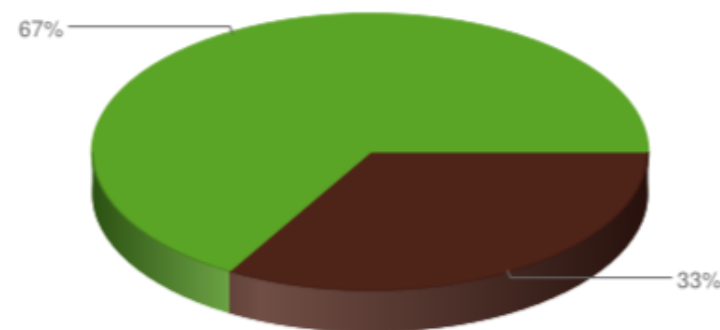
Emissions

	CO ₂ e (kg/year)	% total emissions
Fuel	30,707	14.38 %
Materials	2,127	1 %
Capital Items	10,165	4.76 %
Livestock	161,132	75.44 %
Fertility	10,533	4.93 %
Agro-chemicals	0	0 %
Distribution	0	0 %
Waste	-1,066	-0.5 %
Total:	213,598	100%



Sequestration

	CO ₂ e (kg/year)	% total sequestration
Orchards & Vineyard	11,960	2.82 %
Woodland & Hedges	25,072	5.91 %
Field Margins	0	0 %
Wetland	0	0 %
Soil Organic Matter	298,191	70.28 %
Woodland (detailed analysis)	89,080	20.99 %
Total	424,303	100%



The farm carbon picture-emissions 2012

Fuel for tillage/transport/irrigation	19%
Produce delivery	33%
Electricity	17%
Materials	2.5%
Embodied energy-van<10yr old	6.3%
Green manures (N2O)	11%
Waste management	10%



The farm picture-sequestration

- Hedges 17%
- Coppice 24%
- Field margins 9%
- Soil organic matter increase 49%

Total emissions- 16.6 tonnes CO₂e*

Sequestration 21 tonnes CO₂e*

Balance = 4+tonnes*

*as calculated for year ending 2012 Farm Carbon Cutting Toolkit case study/Tolhurst

