

Low carbon vegetable growing



Farm Carbon Calculator

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Farm Carbon Calculator is a free tool for farmers and growers to work out the greenhouse gas emissions and carbon sequestration associated with their business. It's user-friendly, comprehensive and created by farmers for farmers.



Farm Carbon Calculator

Try our [free carbon calculator](#). It's designed by farmers for farmers to work out the carbon footprint of their business, identify cost savings and offer advice on how to minimise your carbon emissions.

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What it measures

Introduction **Fuels** Materials Capital Items Fertility Agro-chemicals Livestock Waste

Distribution Sequestration

▶ Gas Fuels

▶ Solid Fuels

▼ **Liquid Fuels**

Liquid Fuels ?

Description	Units	Annual Usage	Factor	Remove
Red diesel	Litres	500		Remove
- None -	- None -			Remove

Add another item

▶ Electricity

▶ Transport

Showing you the results

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Results

Data Entry

Log



Scilly Organics 2013

Summary

Full Breakdown

References

Emissions

	C02e (kg/year)	% total emissions
Fuel	1,256	59.88%
Materials	321	15.32%
Capital Items	240	11.45%
Livestock	0	0%
Fertility	198	9.43%
Agro-chemicals	0	0%
Distribution	241	11.51%
Waste	-159	-7.58%
Total:	2,098	100%

Scilly Organics

- Organic fruit and veg business
- 5 acres
- Local supply
- Strong emphasis on building soil organic matter

Emissions from my business

Emissions

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Sequestration in my business

Sequestration

	C02 (kg/year)	% total sequestration
Orchards & Vineyard	207	0.29%
Woodland & Hedges	9,712	13.47%
Field Margins	111	0.15%
Wetland	0	0%
Soil Organic Matter	57,064	79.13%
Woodland (detailed analysis)	5,020	6.96%
Total	72,114	100%

Soil organic matter measurements

Date		1	2	3	4	CO2e sequestered tonnes/yr
		0.4	0.35	0.45	0.4	
May 2009		2.65	2.28	2.48	2.40	
June 2010	SOM measurement	3.00	1.93	1.91	2.71	
	Gain in SOM	0.35	-0.35	-0.57	0.31	
June 2011	SOM measurement	3.40	1.20	2.40	2.90	
	Gain in SOM	0.4	-0.73	0.49	0.19	
Sept 2012	SOM measurement	3.20	2.50	2.10	2.50	
	Gain in SOM	-0.2	1.3	-0.3	-0.4	
Dec 2013	SOM measurement	3.40	3.07	2.33	2.94	
	Gain in SOM	0.2	0.57	0.23	0.44	
	Sequestration (t/yr)	8.17	20.37	10.57	17.97	57.06

MyEcoCost

- Real time measurements of ecological impact of products
- Automatically calculates an “ecocost”
- Can cover any product or service – literally
- Sequestration could be included



Farm Carbon Calculator

www.farmcarboncalculator.org.uk