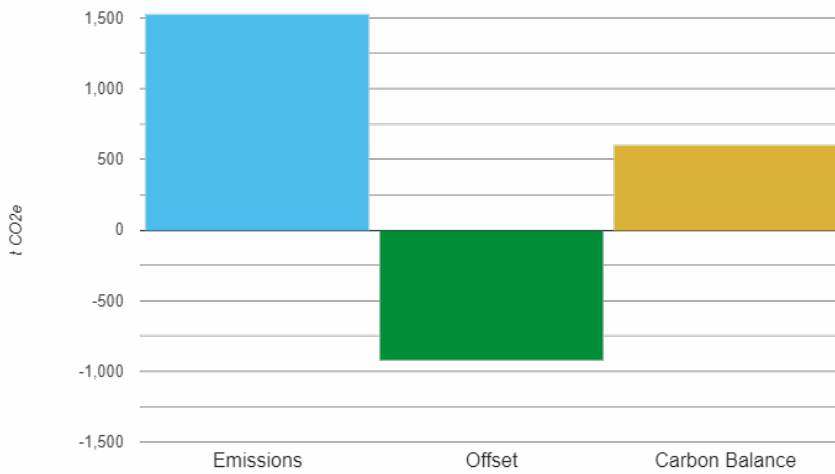




Farm Carbon Calculator

Example farm

Summary

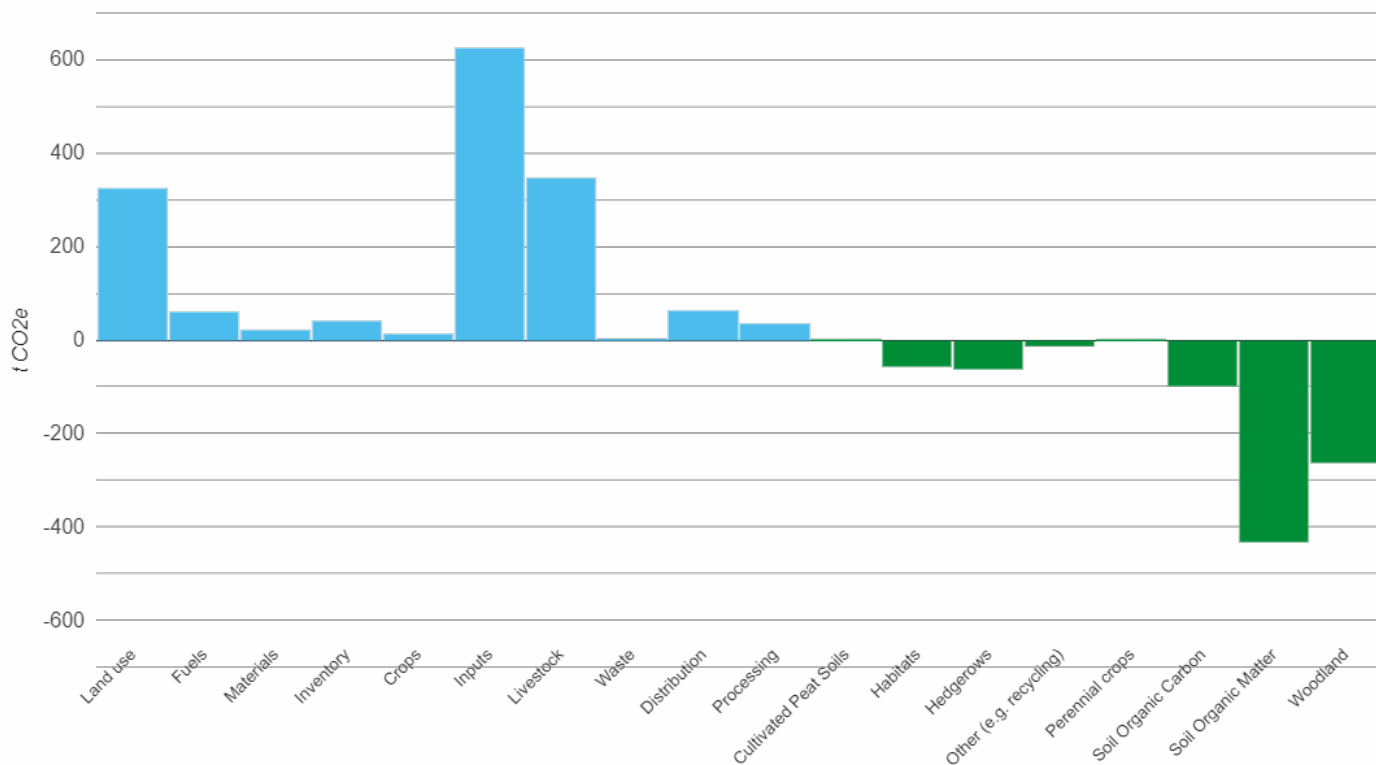


600.93

tonnes CO₂e per year

Emitted

Breakdown of Emissions and Sequestration



Carbon Balance: 600.93 tonnes CO₂e per year

Emissions	tonnes CO ₂ e	%
Land Use	323.17	21.19%
Fuels	59.51	3.90%
Materials	19.63	1.29%
Inventory	41.35	2.71%
Crops	12.03	0.79%
Inputs	623.80	40.91%
Livestock	346.94	22.75%

Waste	1.36	0.09%
Distribution	61.71	4.05%
Processing	35.35	2.32%
Total	1,524.84	100%

Offset	tonnes CO ₂ e	%
Cultivated Peat Soils	-0.17	0.02%
Habitats	-56.40	6.10%
Hedgerows	-62.50	6.76%
Other (E.G. Recycling)	-11.75	1.27%
Perennial Crops	-0.16	0.02%
Soil Organic Carbon	-100.00	10.82%
Soil Organic Matter	-431.25	46.68%
Woodland	-261.68	28.32%
Total	-923.91	100%

Farm details

Business name Example farm

Soil Type

Clay

Annual sales of all produce sold (tonnes)

5.00

Farm area (hectares)

Cultivated	5
Grass	
Non-cropping	1
Total	6

Detailed Summary

Category	Item	tonnes CO ₂ e	% total emissions
----------	------	--------------------------	-------------------

Fuels

Liquid fuels	36.14	2.37%
Solid fuels	9.94	0.65%
Gas fuels	4.48	0.29%
Cars	3.58	0.23%
Contractors	3.49	0.23%
Public transport	1.29	0.08%
Electricity	0.42	0.03%
Deliveries	0.10	0.01%
Accomodation	0.07	0.00%
Total	59.51	3.90%

Fuels - Offsets

Electricity	-0.32	0.03%
Gas fuels	-0.23	0.02%
Total	-0.55	0.06%

Materials

Consumables	16.19	1.06%
Office	1.79	0.12%
Wood	1.11	0.07%
Horticulture	0.17	0.01%
Metal	0.09	0.01%
Tyres	0.07	0.00%
Total	19.43	1.27%

Inventory

Barn	15.94	1.05%
Farm Machinery	9.32	0.61%
Agricultural buildings	6.98	0.46%
Big barn manual	2.54	0.17%
Cow shed	2.33	0.15%
Solar panels concrete	2.11	0.14%
Shed	1.48	0.10%
Implements (by weight)	0.49	0.03%
Shed 2	0.05	0.00%
Brick building	0.04	0.00%
Glasshouse	0.00	0.00%
Total	41.28	2.71%

Crops

Green Manures	6.18	0.41%
Organic fertility sources	2.86	0.19%
Plant raising media	1.09	0.07%
Agricultural crops	1.01	0.07%
Lime and mineral fertilisers	0.66	0.04%
Anaerobic Digestion plants	0.24	0.02%
Total	12.03	0.79%

Inputs

Fertiliser	622.61	40.83%
Sprays	1.19	0.08%
Total	623.80	40.91%

Livestock

Non-organic feed	80.80	5.30%
Dairy cows	56.31	3.69%
Beef cows	27.71	1.82%
Ewes	22.17	1.45%
Dairy heifers	21.32	1.40%
Bulls for breeding	20.09	1.32%
Cereal fed bull	20.09	1.32%
Steers	19.14	1.26%
Beef females for slaughter	18.91	1.24%
Dairy replacements > 1 year	18.77	1.23%
Heifers for breeding	18.69	1.23%
Dairy calves 1 year	16.52	1.08%
Breeding pigs > 50kg	3.21	0.21%
Pigs – weaners > 20kg	2.72	0.18%
Feed blends	0.48	0.03%
Total	346.94	22.75%

Waste

Municipal waste	1.00	0.07%
Aggregate	0.19	0.01%
Batteries	0.17	0.01%
Scrap metal	0.01	0.00%
Plastics	0.00	0.00%
Organic wastes	0.00	0.00%
Total	1.36	0.09%

Waste - Offsets

Scrap metal (Recycling)	-10.73	1.16%
Plastics (Recycling)	-0.49	0.05%
Organic wastes (Recycling)	0.01	-0.00%
Total	-11.21	1.21%

Distribution

Road	23.13	1.52%
Air freight (long haul)	20.25	1.33%
Refrigeration	11.50	0.75%
Direct fuel use	6.04	0.40%
Rail	0.54	0.04%
Sea freight (cargo ship)	0.25	0.02%
Total	61.71	4.05%

Sequestration

Soil Organic Matter	-431.25	46.68%
Woodland	-261.68	28.32%
Soil Organic Carbon	-100.00	10.82%
Hedgerows	-62.50	6.76%
Habitats	-56.40	6.10%
Cultivated Peat Soils	-0.17	0.02%
Perennial crops	-0.16	0.02%
Total	-912.16	98.73%

SOM Inventory

Big field

Year	2010	2012	2014	2015	2017	2018
SOM (%)	3.00	3.15	3.24	3.56	3.76	3.89
Example						
Year	2018	2019	2020			
SOM (%)	4.00	4.10	4.20			
Long field						
Year	2017	2019				
SOM (%)	4.52	4.53				
Big field						
Year	2015	2017	2020			
SOM (%)	3.40	3.42	4.40			
Triangle						
Year						
SOM (%)						

Land use

Land use change	222.07	14.56%
Cultivated Peat Soils	101.10	6.63%
Total	323.17	21.19%

Processing

Packhouses	31.53	2.07%
Wineries	3.82	0.25%
Total	35.35	2.32%































Full Data

Fuels





Accommodation

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Hotel stays	4 Nights in hotel	0.07	0.12%	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	




Average data

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Large car (diesel)	1,000 miles travelled	0.38	0.64%	  	
Large car (electric)	1,000 miles travelled	0.02	0.03%	  	
Large car (hybrid)	1,000 miles travelled	0.27	0.45%	  	
Large car (petrol)	1,000 miles travelled	0.58	0.97%	  	
Medium car (diesel)	1,000 miles travelled	0.34	0.57%	  	
Medium car (electric)	1,000 miles travelled	0.01	0.02%	  	
Medium car (hybrid)	1,000 miles travelled	0.22	0.37%	  	
Medium car (petrol)	1,000 miles travelled	0.39	0.66%	  	
Motorbike (average)	1,000 miles travelled	0.24	0.40%	  	
Small car (diesel)	1,000 miles travelled	0.28	0.48%	  	
Small car (electric)	1,000 miles travelled	0.01	0.02%	  	
Small car (hybrid)	1,000 miles travelled	0.21	0.36%	  	
Small car (petrol)	1,000 miles travelled	0.31	0.53%	  	



Contractors

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Red diesel - contractors	1,000 litres	3.39	5.70%	  	

























Deliveries

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Known carbon footprint of deliveries made	1,000 kg CO ₂ e	0.10	0.17%	  	





















Electricity

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Average tariff	1,000 kWh	0.32	0.53%	  	
Specific renewable tariff	2,200 kWh	0.10	0.17%	  	





Gas fuels

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Biogas by units	1,000 kWh	0.42	0.71%	  	
Biogas by weight	1,000 kg	1.24	2.08%	  	
Natural Gas/CNG by units	1,000 kWh	0.23	0.38%	  	
Natural Gas/CNG by vol	1 m ³	0.00	0.00%	  	
Propane/LPG/Butane by vol	1,000 litres	1.71	2.88%	  	
Propane/LPG/Butane by weight	1,000 kg	0.87	1.47%	  	



















Liquid fuels

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Biodiesel	1,000 litres	2.52	4.24%	  	
Heating oil	1,000 litres	3.07	5.16%		
Lubricant oil	1,000 litres	3.20	5.38%	  	
Petrol	1,000 litres	2.83	4.75%	  	
Red diesel	6,000 litres	20.35	34.19%	  	
Road diesel	1,300 litres	4.17	7.01%	  	

Operations

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Mouldboard plough	1.00 hectares	0.10	0.17%	  	

Public transport

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Air - long haul	1,000 miles	0.35	0.59%	  	
Air - short haul	1,000 miles	0.29	0.48%	  	
Bus	1,000 miles	0.21	0.35%	  	
International train	1,000 miles	0.00	0.00%	  	
Taxi	1,000 miles	0.30	0.50%	  	
UK train	1,800 miles	0.14	0.24%	  	

Solid fuels

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Bonfires	1,000 kg wood burnt	1.55	2.61%	✓ ✓ ✓	🔗
Coal (domestic)	1,000 kg	3.14	5.28%	✓ ✓ ✓	🔗
Wood chips	1,000 kg	1.43	2.39%	✓ ✓ ✓	🔗
Wood logs	1,250 kg	1.94	3.26%	✓ ✓ ✓	🔗
Wood pellets	1,000 kg	1.89	3.17%	✓ ✓ ✓	🔗

Specific data

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Electric	1,000 kWh used	0.32	0.53%	✓ ✓ ✓	

Fuels - Offsets

Electricity




Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Electricity exported to grid	1,000 kWh	-0.32	58.09%	✓ ✓ ✓	🔗

Gas fuels





Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Gas export from AD plant	1,000 kWh	-0.23	41.91%	✓ ✓ ✓	

Materials




Agricultural consumables

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Rubber	1 tonnes	2.85	14.67%	  	




Ground cover

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Polypropylene	500 m2	0.17	0.88%	  	





Office

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Printed media	1,200 kg	1.79	9.20%	  	



Packaging

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Aluminium cans	2,000 kg	13.34	68.66%	  	

Steel

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
100% recycled steel	0 tonnes	0.09	0.48%	  	

Tyres

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Rubber tyres by weight	25 kg	0.07	0.37%	  	

Wood

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Pine/Spruce 50x25mm	135 metres	0.02	0.10%	✓ ✓ ✓	🔗
Plywood sheet 18mm	50 m2	1.09	5.63%	✓ ✓ ✓	🔗

Inventory

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Harrow	2 tonnes of metal	0.49	1.19%	✓ ✓ ✓	🔗
Roller	10 tonnes of metal	0.00	0.00%	✓ ✓ ✓	🔗

Agricultural buildings - Custom build

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Big barn	450 m2	6.98	16.90%	✓ ✓ ✓	

Barn

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Concrete - Readymix by volume	50 m3	1.15	2.79%	✓ ✓ ✓	
Steel - Galvanised	50 tonnes	13.80	33.43%	✓ ✓ ✓	🔗
Wood - General Timber	20 tonnes	0.99	2.39%	✓ ✓ ✓	🔗

Big barn manual

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Concrete - Readymix by volume	24 m3	0.56	1.35%		
Roof sheets - Mineral	3 tonnes	0.74	1.80%		
Steel - Galvanised	4 tonnes	1.01	2.44%		
Wood - Pine/Spruce by volume	20 m3	0.24	0.57%		

Brick building

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Concrete - General concrete	4 tonnes	0.04	0.10%		

Cow shed

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Steel - Section (e.g. I-beams) by weight	15 tonnes	2.33	5.63%		

Farm Machinery - Combine harvesters

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Massey Ferguson	1 horsepower	0.52	1.26%		

Farm Machinery - Tractors

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Case 100	100 horsepower	4.40	10.66%		
inventory-id-186-uid-33	100 horsepower	4.40	10.66%		

Glasshouse

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Wood - Pine/Spruce 50x25mm	100 metres	0.00	0.00%	✓ ✓ ✓	🔗

Shed

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Wood - General Timber	30 tonnes	1.48	3.58%	✓ ✓ ✓	🔗

Shed 2

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Wood - General Timber	1 tonnes	0.05	0.12%	✓ ✓ ✓	🔗

Solar panels concrete

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Concrete - General concrete	1 tonnes	0.01	0.03%	✓ ✓ ✓	
Concrete - Readymix by volume	1 m ³	0.02	0.06%	✓ ✓ ✓	
Solar PV - Solar panels	100 m ²	2.08	5.04%	✓ ✓ ○	🔗

Crops

Agricultural crops

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Barley	10 Harvest in t	1.01	8.38%	✓ ○ ○	🔗

Anaerobic Digestion plants

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Fugitive methane loss	10 tonne (biowaste)	0.24	1.95%		

Green Manures

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Red clover	5.00 hectares	3.70	30.72%		
Sweet Clover	5.00 hectares	2.49	20.66%		

Lime

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Ground limestone	11 tonnes of product	0.66	5.49%		

Organic fertility sources





















































Description	Usage	tonnes CO ₂ e	%	Confidence	Link
AD digestate (as fertiliser)	10 tonnes of digestate	0.47	3.87%		
Compost	10 tonnes (fresh weight)	0.56	4.66%		
Manure, composted	10 tonnes (fresh weight)	0.25	2.09%		
Straw - non-organic	10 tonnes	0.50	4.16%		
Straw - organic	10 tonnes	1.08	8.98%		

Plant raising media













































Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Coir	300 litres	0.02	0.15%	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	
Green Waste Compost	700 litres	0.02	0.17%	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	
Rockwool	1,000 kg	1.05	8.73%	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	

Inputs
















Average

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Ammonium Nitrate	1 tonnes of product	1.76	0.28%	  	
Ammonium nitrosulphate	1 tonnes of product	1.34	0.21%	  	
Ammonium Phosphate	1 tonnes of product	1.08	0.17%	  	
Ammonium Sulphate	1 tonnes of product	1.03	0.17%	  	
Calcium Ammonium Nitrate	1 tonnes of product	1.41	0.23%	  	
Calcium Nitrate	1 tonnes of product	0.98	0.16%	  	
Custom blend	1 tonnes of product	4.03	0.65%	  	
Muriate of Potash	1 tonnes of product	0.25	0.04%	  	
NPK 15-15-15	1 tonnes of product	1.02	0.16%	  	
Super phosphate	1 tonnes of product	0.11	0.02%	  	
Triple super phosphate	1 tonnes of product	0.26	0.04%	  	
Urea	1 tonnes of product	2.74	0.44%	  	
Urea ammonium nitrate	1 tonnes of product	1.72	0.28%	  	

Specific

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
CF Nitram	276 tonne of product	580.65	93.08%	  	
CF Single Top	1 tonne of product	1.67	0.27%	  	
Direct Entry	3 tonnes of CO ₂ e per tonne of product	2.56	0.41%		
Mole Valley Power blend 25-10-18	1 tonnes of product	2.16	0.35%	  	
Mole Valley Power blend 26-14-14	1 tonnes of product	2.45	0.39%	  	
Mole Valley Power blend 30-0-21	1 tonnes of product	1.87	0.30%	  	
Mole Valley Power blend 36-17-0	1 tonnes of product	3.16	0.51%	  	
Mole Valley Power blend 36-7-7	1 tonnes of product	2.59	0.42%	  	
YaraBela Extran 27	1 tonne of product	1.74	0.28%	  	
YaraBela Extran 33.5	1 tonne of product	2.19	0.35%	  	
YaraLiva	1 tonne of product	0.00	0.00%	  	
YaraMila	1 tonne of product	0.00	0.00%	  	
YaraUAN	1 tonne of product	0.00	0.00%	  	
YaraVera	1 tonne of product	3.83	0.61%	  	

Sprays

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Fungicide	20 kg of active ingredient	0.44	0.07%	  	
Growth Regulator	10 kg of active ingredient	0.19	0.03%	  	
Herbicide	10 kg of active ingredient	0.27	0.04%	  	
Insecticide	10 kg of active ingredient	0.19	0.03%	  	
Molluscicides	10 kg of active ingredient	0.11	0.02%	  	


















Livestock

Description	Usage	tonnes CO ₂ e	%	GWP* Difference (tonnes CO ₂ e)	Confidence	Link
Beef cows	10 head	27.71	7.99%	0.00		
Beef females for slaughter	10 head	18.91	5.45%	0.00		
Breeding pigs > 50kg	10 head	3.21	0.92%	0.00		
Bulls for breeding	10 head	20.09	5.79%	0.00		
Cereal fed bull	10 head	20.09	5.79%	0.00		
Dairy calves 1 year	10 head	16.52	4.76%	0.00		
Dairy cows	10 head	56.31	16.23%	0.00		
Dairy heifers	10 head	21.32	6.15%	0.00		
Dairy replacements > 1 year	10 head	18.77	5.41%	0.00		
Ewes	100 head	22.17	6.39%	-3.75		
Heifers for breeding	10 head	18.69	5.39%	0.00		
Pigs – weaners > 20kg	10 head	2.72	0.79%	0.00		
Steers	10 head	19.14	5.52%	0.00		

Feed blends

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Premix minerals for broilers	2 tonnes	0.25	0.07%		
Premix minerals for pigs	2 tonnes	0.23	0.07%		

Non-organic feed

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Flaked maize	1 tonnes	0.87	0.25%		
Linseed	20 tonnes	0.02	0.01%	  	
Oil Seed Rape meal (UK)	1 tonnes	0.50	0.14%	  	
Soya hulls	1 tonnes	3.54	1.02%	  	
Soya meal	11 tonnes	39.05	11.26%	  	
Soya oil	4 tonnes	35.00	10.09%		
Wheat feed (by product)	2 tonnes	1.40	0.40%		
Winter barley – feed	1 tonnes	0.40	0.12%	  	
Winter wheat – feed	50 tonnes	0.02	0.01%	  	

Waste

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Aggregate	150 tonnes	0.19	13.89%	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	🔗
Municipal waste	1	0.59	42.97%		
Scrap metal	1 tonnes	0.01	0.66%	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	🔗





Batteries

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Domestic	1 tonnes	0.09	6.26%	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	🔗
Vehicle	1 tonnes	0.09	6.26%	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	🔗

Municipal waste

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Waste to energy	1 tonnes	0.41	29.97%		





Waste - Offsets

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Scrap metal	3 tonnes	-10.73	95.75%	  	













Organic wastes (Recycling)

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Food and drink	1	0.01	-0.09%		

Plastics (Recycling)

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
LDPE	1 tonnes	-0.49	4.34%	  	
















Distribution

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Air freight (long haul)	1,000 miles	20.25	32.82%	  	
Rail	1,000 miles	0.54	0.87%	  	
Refrigeration	12 tonnes CO ₂ e	11.50	18.64%	  	
Sea freight (cargo ship)	1,000 miles	0.25	0.41%	  	

Direct fuel use

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Diesel	1,000 litres	3.21	5.20%		
Petrol	1,000 litres	2.83	4.58%		




Road

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
HGV (33t +)	100 miles	0.19	0.31%	  	
HGV (33t +) refrigerated	1,293 miles	7.94	12.86%	  	
Lorry (3.5 – 33t)	1,000 miles	2.40	3.89%	  	
Lorry (3.5 – 33t) refrigerated	100 miles	0.28	0.45%	  	
Van (up to 3.5t)	1,000 miles	12.32	19.96%	  	


































Sequestration

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Soil Organic Matter	48.00 hectares	-431.25	47.28%	  	

Cultivated Peat Soils

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Peat Soils (Histosols) - no SOM measurements	8.00 hectares	-0.17	0.02%	  	

Habitats

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Arable to unfertilised grassland (HJ3)	11.00 hectares	-40.37	4.43%		
Beetle banks (OHF7)	1.00 hectares	-3.67	0.40%	  	
Floristically enhanced grass margin (HE10)	1.00 hectares	-3.67	0.40%	  	
Grass buffer strip (EE3/OE3)	1.00 hectares	-3.67	0.40%	  	
Hedgerow margins (OB2)	1.00 hectares	-3.67	0.40%	  	
Rough grazing for birds (HL8)	1.00 hectares	-0.51	0.06%	  	
Rough permanent grassland	1.00 hectares	-0.18	0.02%	  	
Scrub areas (HC17)	1.00 hectares	-0.18	0.02%	  	
Wood pasture and parkland (HC13)	1.00 hectares	-0.48	0.05%	  	

Hedgerows

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Hedgerows (large growth with trees)	18,000 metres total length	-48.38	5.30%		
Hedgerows (managed)	17,256 metres total length	-14.12	1.55%		

Perennial crops

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Willow coppice	10.00 hectares	-0.16	0.02%		

Soil Organic Carbon

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Stock	10 tonnes CO ₂ e/hectare	-100.00	10.96%		

Woodland

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Broadleaf woodland	10.00 hectares	-61.93	6.79%		
In field trees	1 no of trees	-0.53	0.06%		
Mixed woodland	3.00 hectares	-0.02	0.00%		

Woodland detailed




Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Ash/mixed native woods	5.00 hectares	-38.60	4.23%		
Beech	10.00 hectares	-160.60	17.61%		

SOM Inventory










Big field						
Year	2010	2012	2014	2015	2017	2018
SOM (%)	3.00	3.15	3.24	3.56	3.76	3.89
Example						
Year	2018	2019	2020			
SOM (%)	4.00	4.10	4.20			
Long field						
Year	2017	2019				
SOM (%)	4.52	4.53				
Big field						
Year	2015	2017	2020			
SOM (%)	3.40	3.42	4.40			
Triangle						
Year						
SOM (%)						

Land use

Cultivated Peat Soils

























Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Peat Soils (Histosols) - no SOM measurements	8.00 hectares	101.10	31.28%	  	

Land use change





Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Degraded wetland habitat	10.00 hectares	150.50	46.57%	  	
Peat land to arable	5.00 hectares	69.73	21.58%	  	
Woodland to pasture	5.00 hectares	1.84	0.57%	  	

Processing




Packaging

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Aluminium	1,000 kg	6.67	18.87%	  	
Bottles	2,000 kg	2.88	8.15%	  	
Cardboard	1,000 kg	1.29	3.65%	  	
LDPE film	1,000 kg	2.60	7.36%	  	
LDPE Plastic	1,000 kg	2.60	7.36%	  	
Paper	1,000 kg	1.49	4.22%	  	
Polystyrene	1,000 kg	3.29	9.31%	  	
Polythene	1,000 kg	2.54	7.19%	  	




Packhouses

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Refrigeration	10 tonnes CO ₂ e	10.00	28.29%	  	

Products

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
CO ₂ canisters	500 kg	0.50	1.41%	  	

Sugar

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Cane	500 kg	0.44	1.23%	  	

Water

Description	Usage	tonnes CO ₂ e	%	Confidence	Link
Mains waste water	1,000 m3	0.71	2.00%		
Mains water	1,000 m3	0.34	0.97%	