

# Moortown House Farm 30 Sep 2024

Prepared using UK as the preset in the Farm Carbon Calculator.

## Carbon balance

Emissions

112.91

tonnes CO<sub>2</sub>e per year

Offset

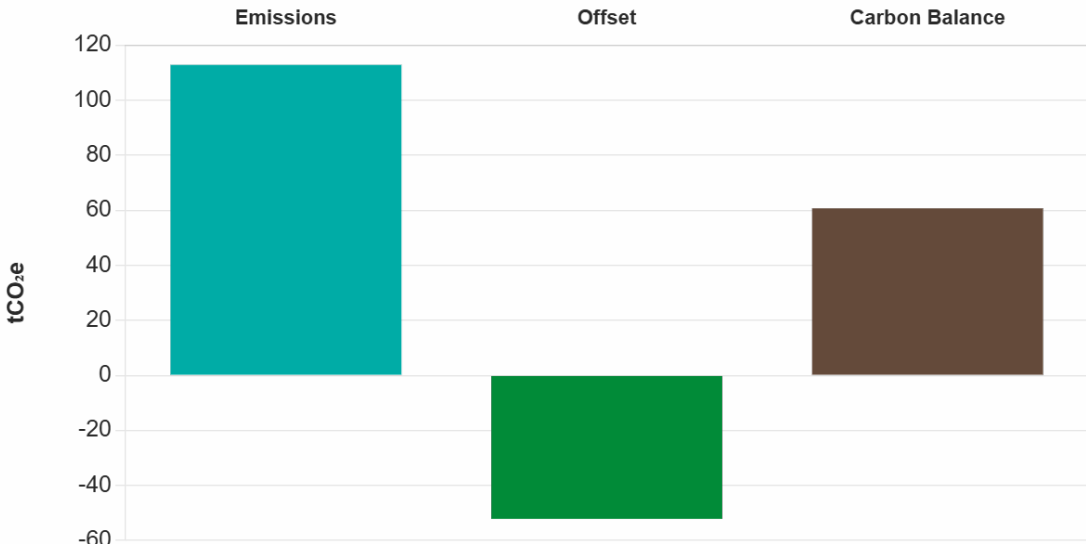
-52.17

tonnes CO<sub>2</sub>e per year

Carbon Balance

60.74

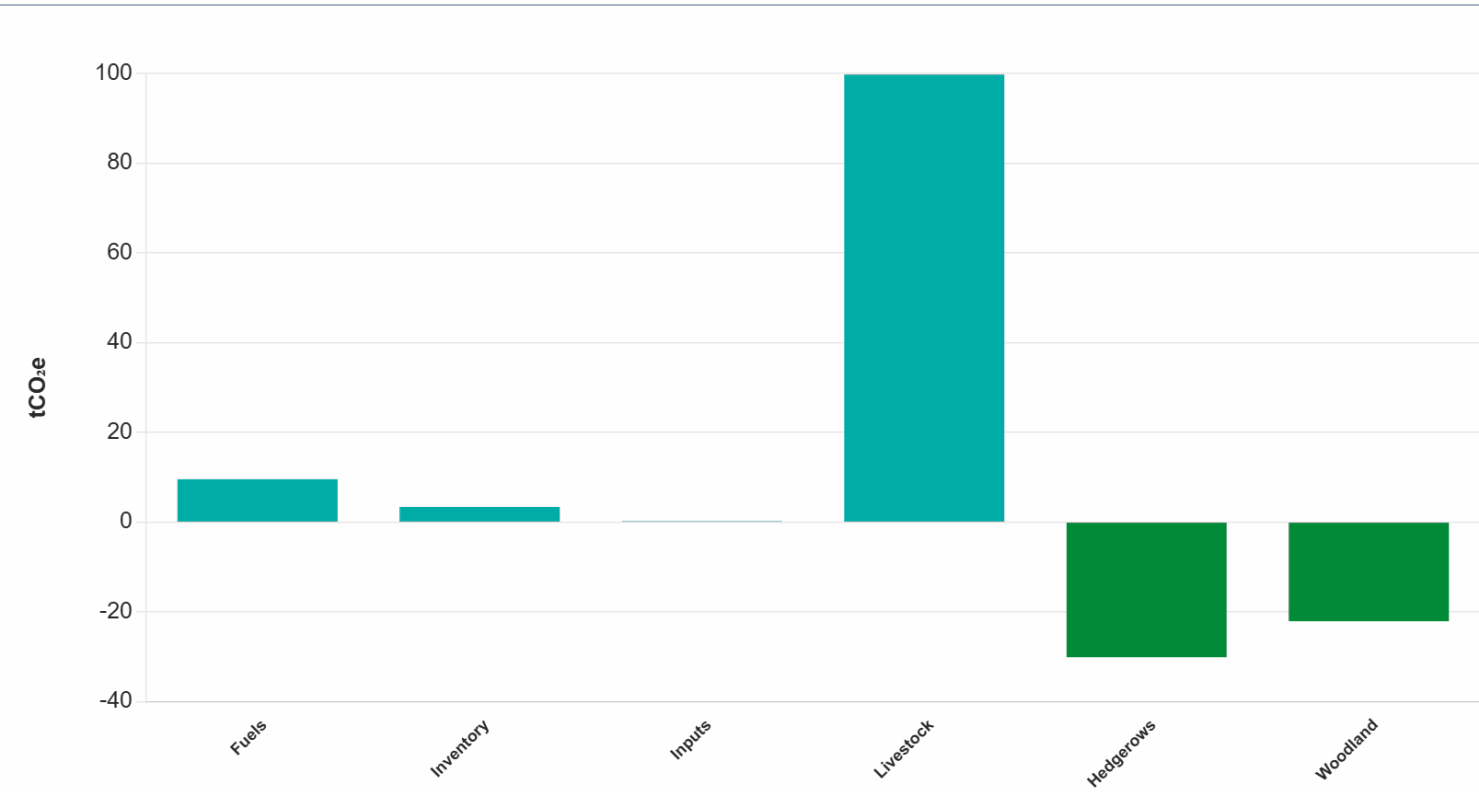
tonnes CO<sub>2</sub>e per year



## KPIs

Carbon Balance / hectare:	Carbon Balance / tonne:	Fuel / hectare:
0.33	60.74	0.0513
tonnes CO <sub>2</sub> e/hectare/year	tonnes CO <sub>2</sub> e/tonne of product	tonnes CO <sub>2</sub> e/hectare from fuel

## Breakdown of Emissions and Sequestration



## Table of Emissions and Sequestration

Emissions	tonnes CO <sub>2</sub> e per year	%
Fuels	9.56	8.47%
Inventory	3.39	3.01%
Inputs	0.23	0.20%
Livestock	99.73	88.32%
Total	112.91	100%

Offset	tonnes CO <sub>2</sub> e per year	%
Hedgerows	-30.10	57.69%
Woodland	-22.08	42.31%
Total	-52.17	100%

## Emissions by Scope & Greenhouse Gas

Emissions	Emissions by Scope				By GHGs			Total tCO <sub>2</sub> e
	Scope 1 tCO <sub>2</sub> e	Scope 2 tCO <sub>2</sub> e	Scope 3 tCO <sub>2</sub> e	Outside of Scope tCO <sub>2</sub> e	CO <sub>2</sub> tCO <sub>2</sub> e	CH <sub>4</sub> tCO <sub>2</sub> e	N <sub>2</sub> O tCO <sub>2</sub> e	
Fuels	4.71	1.81	2.03	1.01	9.56	0.00	0.00	9.56
Inventory	0.00	0.00	3.39	0.00	3.39	0.00	0.00	3.39
Inputs	0.00	0.00	0.23	0.00	0.23	0.00	0.00	0.23
Livestock	99.73	0.00	0.00	0.00	0.00	88.63	11.10	99.73
Total	104.44	1.81	5.65	1.01	13.19	88.63	11.10	112.91

## Yield

Total Production	Units	Yield
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Common Land

Area	Subdivision	Emissions (tCO <sub>2</sub> e)	Active Livestock Units
	0	0.00	0
Total		0.00	0

## Farm details

Report type	Standard
Preset	UK

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# Fuels





## Application

Description	Usage	tonnes CO <sub>2</sub> e	%	Confidence	Link
Spraying	11 Hectares (ha)	0.03	0.31%	  	





## Drilling

Description	Usage	tonnes CO <sub>2</sub> e	%	Confidence	Link
Direct drill	11 Hectares (ha)	0.74	7.73%	  	





## Electricity

Description	Usage	tonnes CO <sub>2</sub> e	%	Confidence	Link
Average tariff	8,740 Kilowatt hours (kWh)	3.77	39.48%	  	

## Harvesting




Description	Usage	tonnes CO <sub>2</sub> e	%	Confidence	Link
Mower	175 Hectares (ha)	4.14	43.28%	  	

## Operations







Description	Usage	tonnes CO <sub>2</sub> e	%	Confidence	Link
Contractors red-diesel usage	260 Litres	0.88	9.20%	  	

Inventory (depreciated over 10 years)





Farm Machinery - Fore end loaders

Description	Usage	tonnes CO <sub>2</sub> e	%	Confidence	Link
JCB 53170	100 Horsepower	0.00	0.00%	  	

Farm Machinery - Tractors

Description	Usage	tonnes CO <sub>2</sub> e	%	Confidence	Link
Ford 7840	100 Horsepower	0.00	0.00%	  	
John Deere 7530	185 Horsepower	0.00	0.00%	  	

Implements (by weight)

Description	Usage	tonnes CO <sub>2</sub> e	%	Confidence	Link
Discs	2 Tonnes of metal	0.49	14.49%	  	
Fert Spreader	1 Tonnes of metal	0.25	7.25%	  	
John Deere Direct Drill	7 Tonnes of metal	1.72	50.72%	  	
Spearhead Topper	2 Tonnes of metal	0.44	13.04%	  	
Subsoiler	2 Tonnes of metal	0.49	14.49%	  	

Inputs

Herbicides

Description	Usage	tonnes CO <sub>2</sub> e	%	Confidence	Link
Liquid Herbicide (not listed)	25 Litres	0.23	100.00%		

Livestock

Sheep

Description	Usage	tonnes CO <sub>2</sub> e	%	Confidence	Link
Lambs - Sheep on tack	1,000 Average head of livestock on farm during last year	99.73	100.00%	<div><div>✓</div><div>✓</div><div>✓</div></div>	<div></div>

Sequestration

Average Options

Description	Usage	tonnes CO <sub>2</sub> e	%	Confidence	Link
Mixed woodland	4 Hectares (ha)	-22.08	42.31%	<div><div>✓</div><div>✓</div><div>✓</div></div>	<div></div>

Hedgerows

Description	Usage	tonnes CO <sub>2</sub> e	%	Confidence	Link
Hedgerows (large growth with trees)	7,650 Length in metres	-30.10	57.69%	<div><div>✓</div><div>✓</div><div>✓</div></div>	<div></div>