

# Farming for a Better Climate

Funded by the Scottish Government as part of its Climate Change Advisory Activity

Ross Paton

Web: [www.farmingforabetterclimate.org](http://www.farmingforabetterclimate.org)

Email: [climatechange@sac.co.uk](mailto:climatechange@sac.co.uk)

# Farming for a better climate



- Farming for a Better Climate
  - Scottish Government funded over 3 years
  - Targeted communication strategy to increase uptake of climate change mitigation measures
  - Web resource based around 5 Key Action areas
  - 4 Climate Change Focus Farmers
  - Meetings and demonstration events
  - Publicity and newsletter



# Five key action areas

## 1. Energy and Fuel use



## 2. Renewables



## 3. Locking in Carbon



## 4. Best use of fertilisers



## 5. Optimise livestock productivity



# 4 Climate Change Focus Farms



Dairy (organic)



Ross Paton, Torr Nr  
Auchencairn, D&G (Gillian Reid,  
SAC Dumfries Office)

# Range of baseline data collected on CCFFs



- Energy audit
- Carbon footprint for the first year of the project; can revisit at Yr 3
- Soil testing and nutrient planning
- Scope for renewables
- Woodland surveys for RHI



# Examples of discussion group meeting topics



Torr (dairy)	Glenkilrie (upland beef and sheep)	Upper Nisbet (arable)
<b>Soil health and structure inc demo min-till</b>	Slurry and manure, soils and grassland mgmt	Machinery choice and cultivation technique; minimising soil problems
<b>Livestock productivity</b>	Getting the best out of fertiliser applications	Using Soil GIS analyses for improved nutrient application
<b>Woodland management and RHI opportunities</b>	Woodlands and RHI opportunities	Renewables; opportunities and pitfalls
<b>Optimising use of slurry and manures, application methods and nutrient planning</b>	Livestock and breed selection	Crop protection, spray programmes, minimising passes
<b>Renewables – Micro hydro site visit</b>	Sheep; profitability and productivity	Marketing outlook – what the market wants



*This presentation was funded by Scottish Government under the Climate Change Advisory Activity programme*



*This presentation was funded by Scottish Government under the Climate Change Advisory Activity programme*









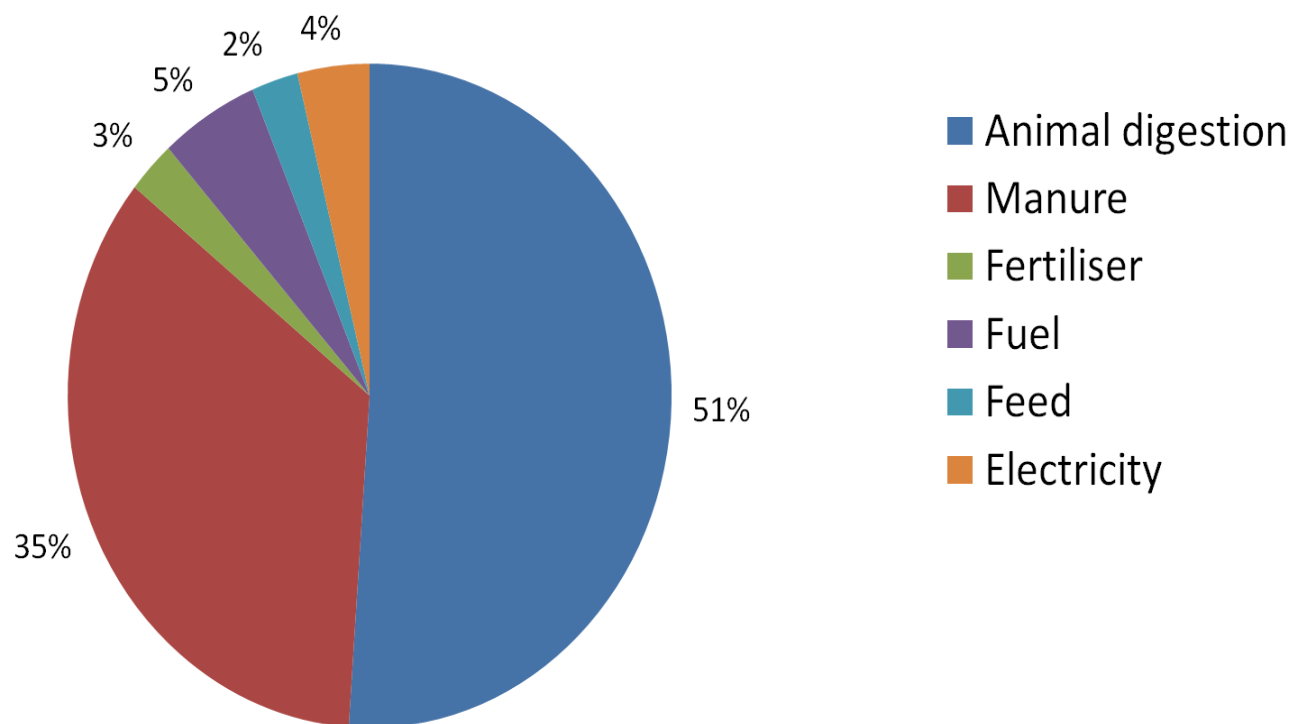




# Torr Farm Carbon Footprint



## Total emissions in CO<sub>2</sub> equivalents



# Climate Change Focus Farm

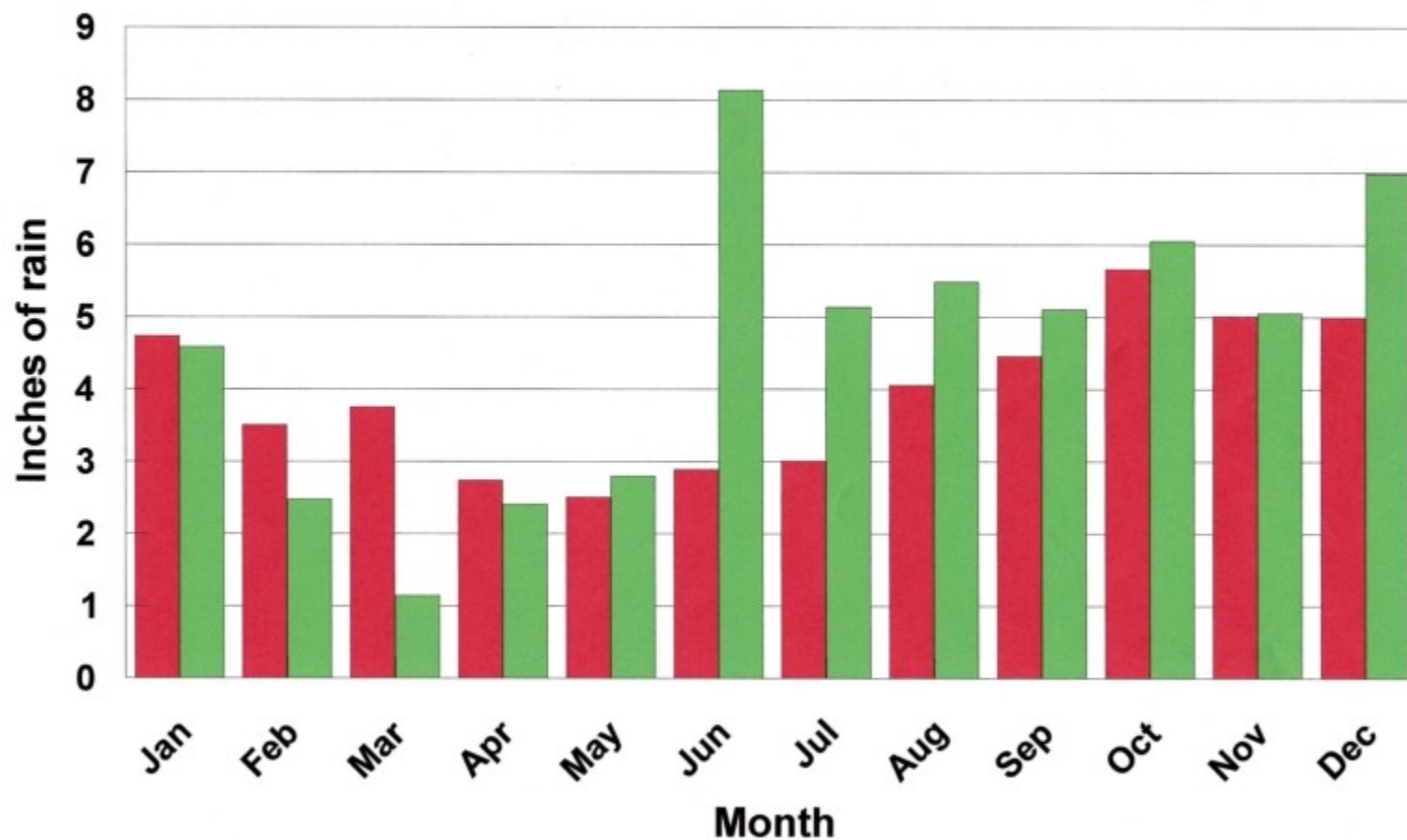


- Ross Paton, Torr Farm
- 420ha
- Dairy plus beef
- Grass and arable silage
- Woodland



## Monthly Rainfall

Green:- this year : Red av. since 1974



1-8/11/2010		4910 L	2/3/11 PLOWN 260 L
14/3/11	JD	113 L	2 — 77 1 ?
14/3/11	REN	95 L	9/2/11 - CLAAS 120 L
14/3/11	SKIO	36 L	14/2/11 - J.D. - 145 L
15/3/11	MF6480	119 L	15/2/11 REN - 110 L
15/3/11	JD 6930	98 L	15/2/11 135 - 15 L
16/3/11	CLAAS	100 L	18/2/11 CLAAS - 80 L
21/3/11	CLAAS	106 L	18/2/11 SKIO 33 L
21/3/11	JD	125 L	20/2/11 JD — 147 L
21/3/11	ontop	138 L	22/2/11 CLAAS — 90 L
23/3/11	MF6480	65 L	22/2/11 CAN - 15 L
23/3/11	JD 6930	55 L	23/2/11 DUNG DAIRD 54 L
23/3/11	ontop	54 L	24/2/11 Hedges 94 L
24/3/11	REN	115 L	27/2/11 CLAAS 90 L
25/3/11	CLAAS	100 L	27/2/11 JD 120 L
25/3/11	JD	120 L	1/3/11 DUGAR 40 L
29/3/11	CLAAS	100 L	3/3/11 CLAAS 100 L
29/3/11	JD	120 L	5/3/11 JD 119 L
28/1/11		2300	7/3/11 3600 DRUGS (RD)
3/2/11	REN	116 L	7/3/11 REN — 111 L
3/2/11	skio/135	45 L	9/3/11 CAN 20 L
3/2/11	CLAAS	95 L	8/3/11 SHARP BARRIS 270 L
8-2-11	REN	120 L	9/3/11 CLAAS 100 L
			10/3/11 JD 140 L
			11/3/11 JD 6930 45 L



