

Key Carbon Saving Pointers

Having now completed your latest Carbon Audit the following are key observations and recommendations to allow you to improve your position for the future.

It is possible to re-run your Carbon Audit in a scenario mode to take into account any of these actions, if you would like to do this, please get in contact with us to discuss options.

1.

Grass and Forage

Increase Biodiversity of grassland to ensure longevity of the sward, increase CO ² uptake and increase Organic Matter accumulation
Strip grazing allows maximum utilisation of forage and longer rest periods for grassland to re-grow whilst using less fertilisers
The adoption of soil sampling data and Nutrient Management Planning can ensure carbon based fertiliser usage is kept to what is required by the growing crop
The adoption or increased usage of herbal leys encourages legumes within swards to sustain the growth of grasses without the need for fertilisers

2.

Energy

Install smart metres to monitor energy use
The use of led lights consume considerable less electricity for often improved light quality
Consider the option to increase renewables where possible. Potentially carry out a feasibility study if needed to check viability
Reduce plastic use and recycle more

3.

4.

Agrecalc Cloud (V2) - Eat Sleep Ride CIC (2022)

	Whole farm	Horses
CARBON DIOXIDE		
Diesel	2,164	2,164
Electricity	0	0
Other fuels	752	752
Renewable heat and electricity	0	0
Total direct carbon dioxide	2,917	2,917
Fertiliser	0	0
Lime	0	0
Pesticides	0	0
Bedding	207	207

Feed	327	327
Energy	793	793
Plastic use/disposal	941	941
Carcass disposal	0	0
Transport	0	0
Biochar	0	0
Total indirect carbon dioxide	2,269	2,269

METHANE		
Feed digestion	6,794	6,794
Manure management	0	0
Total methane (GWP100)	6,794	6,794
NITROUS OXIDE		
Imported fertilisers and manures	0	0
Grazing, manure spreading, and manure management	2,753	2,753
Crop residues	104	104
Total nitrous oxide	2,857	2,857

Biochar	0	0
Hedges	0	0
Forestry	0	0
Total sequestration	0	0

Gross emissions from farming	14,836	14,836
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Land and Crops

Postcode

TD15 1XB

Grazing & forage

- Rough Grazing
- Biodiversity
- Pasture grazing
- Silage & graze
- Hay & graze

Land Area and Crops						
Owned and Tenanted Land (ha)	Seasonal land (ha)	Annual occupancy of seasonal land (%)	Number of years crop in the ground (yrs)	Fraction of land converted to current use in last 20yrs (%)	Land use before conversion (if applicable)	Clover in grass sward (%)
7.69			35.00			
Total area (ha)		7.69	0.00			

Crop production & use

Percentage of dry matter removed (%)	Harvested dry matter (%)	Harvested or forage yield (t/ha)	Sold (t)	Home saved for seed (t)	Fed or used for bedding (t)
70%					

Livestock allocation

Beef (%)	Sheep (%)	Goats (%)	Dairy (%)	Pigs (%)	Poultry (%)	Horses (%)	check total
							0%
							0%
						100%	0%
							0%
							0%
							0%
							0%

Livestock

Livestock numbers and weights

Average weight at weaning (kg)

Opening weight (kg)

Closing weight (kg)

Batches per year (no)

Average number of livestock per batch (no)

Average length of stage (days)

Average number of livestock over 12mo period (hd)

Average total number of livestock 20 years ago (hd)

Stallion (Male, 48 months+)

Mare (Female, 48 months +)

Gelding (castrated male, any age)

Colt (24-48 month male)

Filly (24-48 month female)

Yearling (12-24 months)

Foal (0-12 months)

	380.000	380.000				5	
	490.000	490.000				11	

Purchases, sales and deaths

Other sales

Purchases (hd)

Purchase s Average weight (kg lwt)

Sales (hd)

Average sold weight (kg lwt)

KO%

Deaths (hd)

Other output

units

	1		0		0		
	0		2		1		

Manure management

Pasture, range, paddock, field (%)

Dry Lot (%)

Hill (%)

Liquid/ slurry (%)

Solid storage (FYM) (%)

Pit storage (Slats) (%)

Anaerobic Digestion (%)

Deep bedding (%)

Poultry with or without litter (%)

Manure exported (%)

	80%				20%				100%
	80%				20%				100%

Purchased bedding

Straw (t)

Sand (t)

Sawdust/woodch

0.00

13.80

Purchased Feed

Purchased Feed		Horses (t)
Forage (grass)	Hay	
	Grass - grazing	
	Grass - close graze	
	Grass silage - poor	
	Grass silage - average	
	Grass silage - good	
	Grass silage - dairy	
	Big Bale Silage	
Wholecrops	Dried Grass	
	Lucerne Silage	
	Wholecrop cereals - wheat	
	Wholecrop cereals - barley	
	Wholecrop cereals - Triticale	
	Wholecrop Peas	
	Arable Silage	
	Maize silage	
	Red clover silage	
	Dried Lucerne	
Straws	Straw (wheat)	0.6
	Straw (barley)	
	Straw (oats)	
	Straw (pea)	
	Ammonia Treated Straw (Barley)	
	Sodium Hydroxide Treated Straw (Barley)	
Cereals	Wheat (grain)	
	Crimped Wheat	
	Wheat (grain) caustic soda	
	Wheat (grain) urea	
	Wheat (grain) commerical urea treatment	
	Barley (grain)	
	Crimped Barley	
	Barley (grain) urea treated	
	Barley (grain) commerical urea treatment	
	Barley (moist)	
	Oats (grain)	
	Maize (grain)	
	Triticale (grain)	
	Rye	
Fodder&Root Crops	Potatoes (brock)	
	Potatoes (ware)	
	Waste vegetables	
	Fodder beet (bulb)	
	Fodder beet (tops)	
	Kale	
	Rape	
	Turnips (bulbs)	
	Swedes	
	Sugar beet roots	
	Carrots	

Protein Feeds	Soyabean meal Hipro (Any origin 46%)	
	Soyabean meal Hipro (Brazilian 48%)	
	Field beans	
	Peas	
	Lo Pro Soyabean meal (40%)	
	Sopralin	
	Soyabean Full Fat	
	Vegetable protein concentrate	
	Rape Meal	
	Rape Meal - expeller	
	Rapeseed - full fat	
	Cold Pressed Rapeseed Treated (Neolac)	
	Milk powder	
	Whey Permeate	
	Expelled Rapeseed meal (Neopro)	
	Fishmeal	
	Maize gluten feed (20% protein)	
	Maize gluten Prairie meal (60% protein)	
	Hot Pressed rapeseed protected expeller (NovaPro)	
Fats	Soya Bean oil	
	Fat 50%	
	Protected palm oil	
Distillery	Dark grains - barley	
	Dark grains - wheat	
	Dark grains - maize	
	Draff / brewers grains (23% DM)	
	Pot ale syrup	
Co-Products	Wheat feed pellets	
	Sugar beet pulp pellets	
	Citrus pellets	
	Sunflower Meal EC (29%)	
	Sunflower Meal Hipro (38%)	
	Palm Kernel expeller	
	Molasses - beet	
	Molasses - cane	
	Soya hulls	
	Biscuit meal	
	Bread meal	
	Confectionery by-product	

Minerals/Additives	Methionine	
	Lysine	
	Threonine	
	Tryptophan	
	Valine	
	Phytase	
	Urea	
	Magnesium chloride	
	Monocalcium phosphate	
	Dicalcium phosphate	
	Calcium carbonate	
	Calcium formate	
	Salt	
	Limestone flour	
	Seaweed Meal	
	Minerals and Vitamins	0.06
	Additives	
	Pre-mix	
Concentrates	Beef nuts (16% protein)	0.4
	Other beef blends	
	Ewe nuts (12.5 ME, 18% protein)	
	Lamb Finisher nuts (12.5 ME, 15% protein)	
	Dairy and calf nuts (13ME,18% protein)	
	Dairy and calf nuts (12.5 ME, 16% protein)	
	Other dairy blends (13.5ME, 20% protein)	
	Dairy Dry Cow Nuts	
	Dairy Heifer rearing Nuts	
	Poultry broiler starter pellet	
	Poultry broiler grower pellet	
	Poultry broiler pre-breeder pellet	
	Poultry broiler finisher	
	Poultry broiler withdrawal	
	Poultry layer starter	
	Poultry layer producer	
	Pig gilt	
	Pig sow feed gestation	
	Pig sow feed lactation	
	Pig creep feed	
	Pig weaner feed	
	Pig grower feed	
	Pig finisher feed	
	Other dairy blends (22% protein)	

Energy and Waste

[illegible]