Data Collection Form: gather what you need

Introduction

Completing your carbon footprint using the Equine Carbon Calculator is easy to do, once you have collated all of the data that you need. This sheet is designed to help you with getting as much of that data in advance from around your property, before you sit down in front of the computer.

Step 1: Decide on your year for footprinting and analysis

The calculator will provide your footprint for a 12 month period. This period needs to be consistent each year so that you can compare data as the years progress. To begin, pick a date range which is convenient to your business.

Enter time period for data collection

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Step 2: Data you will need

The following table provides a summary of the core aspects of your carbon footprint. Begin entering your data into the boxes utilising paperwork, receipts and information gleaned from around your site.

Fuels	Notes
In this section you will need to identify the fuels that you purchase and use within your site. This will be for a range of purposes including your machinery, heating and energy. Make a note of what you purchase, the volume (including what unit) and the price paid.	
Liquid fuels: diesel, petrol, biofuels (recorded in litres)	
Gas, oil, or solid fuels (volumes used)	
Electricity consumption (type of tariff, and units used in kWh)	
Renewable energy (solar panels, if linked to the grid)	
Any contracted activities: (land management, contracted hay baling, manure spreading etc)	

Materials	Notes
In this section you will need to identify items that you have purchased or used on your site in the time period you selected. You will need to think about both volumes and costs, so receipts and invoices will be useful here.	
Fencing, repair, maintenance materials.	
Water use on the yard (in m3)	
Other consumables and office supplies e.g. paper used, laptops purchased	

Infrastructure	Notes
In this section you need to consider large infrastructure that you have on your site, whether that be newly purchased/built or pre existing.	
Machinery, implements and buildings which are less than 10 years old.	
Machinery: year of manufacture for tractors, quads, lorries, gators.	
Implements: year of manufacture and weight/width of rollers, toppers, arena graders/harrows etc.	
Buildings: year of construction, and materials, as well as number of stables for example.	

Fertility and Cropping	Notes
If you have a property with land that enables you to produce your own hay/haylage or any other kind of crops that you wish to measure, you can do so in this section.	
Volume in tonnes of hay/haylage produced	

Inputs	Notes
If you have land that you treat with any additional 'inputs', you need to enter that information here.	
Do you fertilise the land, if so what products and in what quantities?	

Do you use pesticides or herbicides? If so what and in what quantities?	

Animals	Notes
In this section you need to identify the animals you keep at your site. This may be just horses or you may wish to include all of your livestock and other animal species.	
How many horses are on site, over the 12 months?	
Break these down into donkeys, mules, small ponies, all the way up to large horses	
You will also be asked what percentage of their time is spent in vs out as this influences their manure, which is again over the 12 months. This may differ between the different horses.	
If you have any other animals, information about them too.	

Waste	Notes
Waste management on your site impacts your carbon emissions as well as other environmental challenges like landfill and incineration. In this section you will need to give as much detail as you can about how you handle your waste on site.	
What items are disposed of (plastic wrap, baling wire, plastic tubs etc) , and is it recycled, incinerated or does it go to landfill?	**Weights of waste disposed (kg)** (check your waste disposal slip)
e.g. Tyres	
e.g. Bedding bags, haylage wrap	

Transport	Notes
Transport is an important part of any individual or business's carbon footprint and accurate data in this section is very useful in understanding your impact on carbon emissions. It is important not to 'double count' your impact here, so be careful to ensure that you do not add fuels in both this section as well as the 'fuels' section if it relates to transport.	
Do you use any transportation companies externally to take horses to competitions?	

What transport do you own (type of car, lorry etc) and what was your mileage in the reporting year?	

Land Use	Notes
The way that we use our land can have a positive or negative impact on the environment. In this section you will need to consider what your land is comprised of.	
If you have any soil analysis data, you will find it useful to input here.	
How much woodland do you have? Recommend www.calcmaps.com	
How much length of hedgerow do you have (metres)	
Do you have any other habitats? These would be worth noting here.	

Notes:

Use this section to make notes of any other products, goods and services that you use on your site and elements of your operations that you may wish to capture.