



The Global Farm Metric Research Tool (UK) Data Checklist

You can use this list to help collect the information needed to fill in your self-assessment.

Please ensure the information you collect covers a 12 month period of your choice – e.g. January to January or harvest to harvest.

Find more guidance on completing the GFMRT here:
<https://www.globalfarmmetric.org/gfmr/>

Contact: info@globalfarmmetric.org

Data to collect	Unit	Notes	Collected?
Initial data collection <i>This section asks for basic farm information. The data collected feeds into several calculations throughout the tool</i>			
Assessment period		Should be a 12 month period, e.g. July 2022 – July 2023, or the 2022 to 2023 tax year	
Dominant soil type	Select one	Sandy and light Medium soil Heavy soil Chalk and limestone Peaty soil	
Annual rainfall	mm/year		
Altitude	M above sea level		
Crops grown	Ha		
marketable yield	Tonnes/ha		
exported	Tonnes		
Forage crops	Ha		
Area of permanent pasture and rough grazing	Ha		
Average age of permanent grassland	years	Your best estimate is enough.	
Area of moorland, ponds, non-cropped and non-agricultural land use, including roads	Ha	Your best estimate is enough.	
Livestock numbers, import and export	No.	If livestock numbers change considerably throughout the year, the easiest way to work out the average is to list how many of each livestock type are present in each month and then work out the average (add all 12 months together and divide by 12). More info here: Livestock average	
Livestock product, import and export (e.g. milk, wool, eggs)	Litres, tonnes, dozens		
Farm woodland (mixed, conifers, broadleaved and approximate age), agroforestry area and hedgerow (length and width)	Ha	Use a best estimate if exact hedgerow length is unknown.	
Harvested wood products (wood fuel, timber)	Tonnes, m3		

Seed and feed type, import and export	Tonnes		
Arable straw import and export	Tonnes		
Organic fertiliser type, import and export	Tonnes		
Inorganic fertiliser type, import and export	Tonnes		
Productivity <i>Captures how goods are produced to indicate economic sustainability</i>			
Crop, livestock and livestock product exports, volume sold and price received	No.	Please skip this section	
Livestock income from sales and costs including: marketing; processing; feed; fodder; bedding; vet med; contractor; transport; other.	No. (£)	Please skip this section	
Crops total income from sales and costs including: marketing; processing; seed; fertiliser; crop protection; fuel for heating/ drying; contractors; other.	No. (£)	Please skip this section	
Costs for Machinery, facilities, land rent, labour, capital, depreciation.	No. (£)	Please skip this section	
Farm Income (subsidies, grants, other enterprises (agricultural and non- agricultural).	No. (£)	Please skip this section	
Assets (owned land rental value, machinery)	No. (£)	Please skip this section	
Farm resilience questions		Multiple choice	
Soil <i>Captures soil health in terms of structure, organic matter and soil biodiversity</i>			
For each test, choose three fields that are representative of your farm (e.g. representing different soil types or different enterprises (arable/permanent pasture).			
Sampling should take place between March and May when the soil is moist - avoid sampling when the soils are waterlogged or frozen.			
Soil organic matter (SOM)	SOM %	Only enter if historic results are available, if not please continue with the VESS assessment and the earthworm count	

Soil structure	SQ1-5	Assess soil structure using the VESS protocol . 6 samples in total: please choose 2 fields representative of your farm and take 3 samples from each field You could do the VESS assessment at the same time as the earthworm count <u>to save time</u>	
Infiltration rate	Minutes	Please skip the infiltration test	
Earthworm numbers and no. earthworm ecotypes	No	6 samples in total, 2 fields – 3 samples each. Ideally in spring, as best results are attained when the soil has been moist for a while, but not waterlogged. Use this earthworm count .	
Land impacted by erosion, left bare in winter	%		
Water <i>Captures water quality and management</i>			
Percentage of water from mains/abstracted/stored rainwater/recycled water	%	Your best estimate is ok. Abstracted water includes from groundwater or a surface water body like a river, lake, or artificial storage reservoir.	
For each water body type on farm, identify plants below/ emerging from/ floating on surface, fish, frogs/toads, aquatic birds, blue-green algae	Yes/no	Observe once per season.	
Air and climate <i>Captures direct and indirect emissions</i>			
This category does not require any data inputting – outputs are based on your answers in other categories.			
Energy and resource use <i>Identifies what energy is fuelling the farm and how non-organic materials are managed</i>			
Own and contractor fuel use	MJ	Identifies different fuels used on farm, divided between different enterprises. Contractor labour, whole crop stubble to stubble, and combine harvesting is also included. Please read the	

		guidelines in the Global Farm Metric tool for assistance.	
Nutrient management <i>Captures nutrient management in relation to water and soil quality, biodiversity, productivity and crop health</i>			
Total import and export nitrogen, phosphorous and potassium for crops, livestock, livestock products, seeds, feeds, and straw	Tonnes		
Import and export of organic and inorganic fertiliser	Tonnes		
Animal husbandry <i>This considers your livestock's health, welfare and "human edible feed efficiency"</i>			
All data is collected over grazing season			
Vet and med expenditure	£ per head		
Ability to perform natural behaviours	Multiple choice	Observe months and hours per day that livestock have access to pasture and grazing each season.	
Staff resources	No.	Staff hours looking after livestock.	
Plant and crop health <i>Identifies crop cultivation practices on the farm.</i>			
Number of spray rounds per crop type	No.		
Diversity of crop and grasses in rotation	No.		
Biodiversity <i>Indicates the abundance and diversity of species on the whole farm</i>			
Number of crop species and varieties.	No.		
Number of livestock breeds.	No.		
Area (ha) of different habitat types (definitions UK Habitat Classification).	ha		
Bird count	No.	Best done in in February - find out how here .	
Butterfly count	No.	Please skip this section	
Social <i>An indication of the contribution of the farm to wider society (local, regional, national)</i>			
Multiple choice answers regarding education, community engagement and public access – no data to be collected in advance.			
Human <i>An indication of the health and wellbeing of the people working on and associated with the farm</i>			

Number of full and part-time staff (including yourself, volunteers and family members) working on farm.	No.	Total number of hours	
Total number of training days for staff.	No.	Total days, so if 10 employees had 5 training days each, it would be 50 training days	
Total number of sick days for staff.	No.	All staff	