

**Data requirements to prepare Agrecalc  
carbon audit  
- information required is for a 12 month  
period**



| Section   | Sources of data   |
|---|---|
| <b>Land and Crops</b>   |   |
| Area of grassland (rough grazing, pasture, silage, hay) other forage crops, arable, root, vegetable and fruit crops, areas of broadleaved and coniferous woodland, length of hedges.  | Crop records (SAF Form)   |
| Approximate age of grassland (pasture, silage and hay)  | Farmer discussion   |
| Type and quantity of fertiliser, imported organic manure and lime applied to grassland and crops. Use of urease/nitrification inhibitors.   | Farmer/Fertiliser records/diary/NVZ   |
| Areas of crops treated with pesticides and the number of spray treatments (passes).   | Spray records   |
| Dry matter (%) of the silage and whole crop   | Silage and crop analysis  |
| Harvested moisture (%) of the arable crops  | Farm drier records  |
| Forage and crop yields, including straw yields  | Own records, sold weighbridge, see RB209 for standard forage/wc yields      |
| Quantities of homegrown feeds and bedding used on the farm of sold off the farm. Use of methane inhibitors.   | Invoices / feed programme   |
| Allocations of grazing land, forage and other crops used on the farm to livestock enterprises i.e. (%) to dairy, (%) to beef, (%) to sheep etc.   | Farmer discussion   |
| Allocations of manures (%) by livestock type to grass, forage and crop types by area.   | Farmer discussion   |
| <b>Livestock</b>  |   |
| Structuring of livestock enterprises into single or multiple herds, batches or flocks   | Livestock records   |
| Average number of livestock on a 12 month basis on the farm (i.e. suckler/dairy cows, bulls, 0-12 month heifers, 0-12 month steers, 13-24 month heifers, 13-24 month steers, >24month heifers, >24 month steers, ewes, tups, lambs, other breeding sheep, sows, boars, weaners, rearers, finishers, poults, laying hens, broilers etc | Livestock records/programmes - govt livestock movement records              |
| Estimated average number of livestock on a 12 month basis on the farm on the farm 20 years ago.   | Farmer / historic records   |
| Number and weight of purchased and sold animals.  | Invoices, slaughterhouse portals  |
| Quantity of wool sales (sheep)  | Receipts  |
| Quantity of milk sales, milk BF (%), and P(%) (dairy)   | Milk records  |
| Quantity of egg sales (poultry)   | Receipts  |
| Age at first calving (beef, dairy)  | Farm records / livestock programme  |
| Sale age (month) (beef, dairy)  | Farm records / livestock programme  |
| Calving (%), lambing %, piglets per litter, litters per year (Cattle, sheep, pigs)  | Farm records / livestock programme  |
| Sheep lambs carried (%) singles, twins, triplets (sheep)  | Scanning records/ livestock programme                                       |
| Daily liveweight gain (beef, dairy, sheep, pigs, poultry)   | Weigh records, liveweight at sale/ age accounting for estimated birthweight |
| Deaths by livestock category  | Livestock records/programmes  |
| Type and quantity of purchased feed and bedding   | Invoices  |
| Time spent by pasture and housing type, manure management system.   | Farmer discussion   |
| <b>Energy and Waste</b>   |   |
| Quantities of electricity, red diesel, white diesel, petrol, kerosene, natural gas, LPG used on farm  | Invoices, meter readings  |
| Quantities of renewable electricity produced and quantities used on farm (wind, solar PV, hydro, biogas)  | FIT receipts, meter readings  |
| Quantities of renewable heat produced and quantities used on farm (wood pellets, woodchips, straw, biogas)  | RHI receipts, meter readings  |
| Quantities of waste plastic produced by enterprise.   | Waste disposal invoices   |
| Distance travelled by external haulage within the farm business.  | Invoices  |
| Quantities of water used by enterprise (where metered)  | Invoices, meter readings  |