

This is a list of data inputs required to complete a greenhouse gas emissions calculation using the AIA Environmental Accounting Platform. The first section refers to common data inputs that are required for all commodities, followed by commodity-specific data.

## Common data inputs

<b>Electricity</b>	
Input data	Options
Start/end date of electricity consumption	
Electricity source	State-Grid (non-renewable) Renewable
Amount of electricity used in kWh	
Percentage allocation across your different business activities	

<b>Fuel</b>	
Input data	Options
Start/end date of the fuel consumption	
Fuel source	Diesel Petrol LPG
Amount of fuel used in litres	
Percentage allocation across your different business activities	

<b>Commodity purchases</b>	
Task	Options
Start/end date of the purchase period	
Commodity source	Cotton seed Grain Hay
Amount purchased in tonnes	
Percentage allocation across your different business activities	

## Livestock

<b>Beef: Pasture</b>	
Input data	Options
Classes of breeding livestock in your herds	Breeding cows > 2 yrs old Heifers < 1 year including calves Maiden breeding heifers 1-2 yrs old Maiden breeding heifers > 2 yrs old
Classes of trading livestock in your herds	Steers < 1 year old including calves Steers 1-2 yrs old Steers > 2 yrs old - bullocks Bulls
Number of livestock	
Average liveweights for all months & the preceding month	
Purchases of livestock (number, total weight, & region purchased from)	
Sale of livestock (number, total weight)	
Changes to the total number of livestock in a month caused by births, deaths, or ageing into/out of a class of livestock	
(Optional) Percentage of cows lactating	
(Optional) Notes on any key events that occurred in any month	
Diet of your livestock (Feed)  <i>To include Pasture or Crops for grazing, you must add Pasture or Cropping as a business activity when entering your property</i>	Pasture Crops for grazing Mineral block Weaner block Dry season mix
(If applicable) information about your pasture, including: <ul style="list-style-type: none"> <li>• hectares</li> <li>• whether it is irrigated</li> <li>• amount, type and timing of the application of lime, fertiliser, herbicide, pesticide and fungicide</li> </ul>	

<b>Beef: Pasture</b>	
Input data	Options
(If applicable) information about your crops for grazing, including <ul style="list-style-type: none"> <li>• crop type</li> <li>• hectares</li> <li>• whether it is irrigated</li> <li>• whether residue is burned</li> <li>• amount, type and timing of the application of lime, fertiliser, herbicide, pesticide and fungicide</li> </ul>	
(If applicable) Tonnes used and percentage of urea for any mineral block, weaner block, or dry season mix	
Percentages of crude protein/dry matter digestibility for each month	Default values available to pre-fill data

<b>Beef: Feedlot</b>	
Input data	Options
Type of production system used	Composting Drylot Solid Storage Uncovered anaerobic lagoon
Livestock information, including number of livestock, total length of stay, and average liveweight for each	
(If applicable) Breeding livestock purchases, including livestock class, year/month of purchase, number purchased, region of purchase, and total liveweight purchased	
(If applicable) Trading livestock purchases, including livestock class, year/month of purchase, number purchased, region of purchase, and total liveweight purchased	
Diet of your livestock (Feed)  <i>To include Pasture or Crops for grazing, you must add Pasture or Cropping as a business activity when entering your property</i>	Pasture Crops for grazing
(If applicable) information about your pasture, including: <ul style="list-style-type: none"> <li>• hectares</li> <li>• whether it is irrigated</li> <li>• amount, type and timing of the application of lime, fertiliser, herbicide, pesticide and fungicide</li> </ul>	
(If applicable) information about your crops for grazing, including <ul style="list-style-type: none"> <li>• crop type</li> <li>• hectares</li> <li>• whether it is irrigated</li> <li>• whether residue is burned</li> <li>• amount, type and timing of the application of lime, fertiliser, herbicide, pesticide and fungicide</li> </ul>	
Feed composition for your livestock, including percentages of crude protein/dry	Default values available to pre-fill data

<b>Beef: Feedlot</b>	
Input data	Options
matter digestibility for each month	
Total distance travelled across all trips while transporting cattle (kms)	
Type of truck used for transport	B-double Four-deck trailer Six-deck trailer

Sheep	
Input data	Options
Classes of breeding livestock in your herds	Breeding ewes > 2 yrs old Ewe lambs < 12 months old Maiden breeding ewes 1-2 yrs Other ewes > 2 yrs old Rams Wethers > 12 months old Wether lambs < 12 months old
Classes of trading livestock in your herds	
Number of livestock	
Average liveweights for all months & the preceding month	
Purchase of livestock (number, total weight,)	
Sale of livestock (number, total weight)	
Changes to the total number of livestock in a month caused by births, deaths, or ageing into/out of a class of livestock	
(Optional) Percentage of ewes lambing	
(Optional) Seasonal lambing rates	
(Optional) Notes on any key events that occurred in any month	
Shearing details, including month, class of sheep, number of animals shorn, shorn wool per animal and total clean wool yield	
Diet of your livestock (Feed)  <i>To include Pasture or Crops for grazing, you must add Pasture or Cropping as a business activity when entering your property</i>	Pasture Crops for grazing Mineral block Weaner block Dry season mix
(If applicable) information about your pasture, including: <ul style="list-style-type: none"> <li>• hectares</li> <li>• whether it is irrigated</li> <li>• amount, type and timing of the application of lime, fertiliser, herbicide, pesticide and fungicide</li> </ul>	

Sheep	
Input data	Options
(If applicable) information about your crops for grazing, including <ul style="list-style-type: none"> <li>• crop type</li> <li>• hectares</li> <li>• whether it is irrigated</li> <li>• whether residue is burned</li> <li>• amount, type and timing of the application of lime, fertiliser, herbicide, pesticide and fungicide</li> </ul>	
(If applicable) Tonnes used and percentage of urea for any mineral block, weaner block, or dry season mix	
Feed composition including percentages of crude protein/dry matter digestibility and feed availability in tonnes per hectare for each month	Default values available to pre-fill data



Goats	
Input data	options
Classes of breeding livestock in your herds	Bucks/Billy Breeding does/Nannies Maiden breeding does/Nannies Kids Other does/culled females Wethers
Classes of trading livestock in your herds	
Number of livestock	
Purchases of livestock (number, total weight)	
Sale of livestock (number, total weight)	
Changes to the total number of livestock in a month caused by births, deaths, or ageing into/out of a class of livestock	
(Optional) Percentage of does kidding	
(Optional) Seasonal kidding rates	
(Optional) Notes on any key events that occurred in any month	
Shearing details, including month, class of goat, number of animals shorn, shorn wool per animal and total clean wool yield	
Diet of your livestock (Feed)  <i>To include Pasture or Crops for grazing, you must add Pasture or Cropping as a business activity when entering your property.</i>	Pasture Crops for grazing Mineral block Weaner block Dry season mix
(If applicable) information about your pasture, including: <ul style="list-style-type: none"> <li>• hectares</li> <li>• whether it is irrigated</li> <li>• amount, type and timing of the application of lime, fertiliser, herbicide, pesticide and fungicide</li> </ul>	
(If applicable) information about your crops for grazing, including <ul style="list-style-type: none"> <li>• crop type</li> <li>• hectares</li> <li>• yield in tonnes</li> </ul>	

Goats	
Input data	options
<ul style="list-style-type: none"> <li>• whether it is irrigated</li> <li>• whether residue is burned</li> <li>• amount, type and timing of the application of lime, fertiliser, herbicide, pesticide and fungicide</li> </ul>	
(If applicable) Tonnes used and percentage of urea for any mineral block, weaner block, or dry season mix	

<b>Pork</b>	
Input data	Options
Classes of livestock in your herds	Boars Gilts Growers Slaughter Pigs Sows Suckers Weaners
Number of livestock	
Purchases of livestock (number, total weight)	
Sale of livestock (number, total weight)	
(Optional) Changes to the total number of livestock in a month caused by births, deaths, or ageing into/out of a class of livestock	
(Optional) Notes on any key events that occurred in any month	
Diet of your livestock (Feed)  <i>To include Pasture or Crops for grazing, you must add Pasture or Cropping as a business activity when entering your property</i>	Pasture Crops for grazing Feed blends
(If applicable) information about your pasture, including: <ul style="list-style-type: none"> <li>• hectares</li> <li>• whether it is irrigated</li> <li>• amount, type and timing of the application of lime, fertiliser, herbicide, pesticide and fungicide</li> </ul>	
(If applicable) information about your crops for grazing, including <ul style="list-style-type: none"> <li>• crop type</li> <li>• hectares</li> <li>• yield in tonnes</li> <li>• whether it is irrigated</li> <li>• whether residue is burned</li> <li>• amount, type and timing of the application of lime, fertiliser, herbicide, pesticide and fungicide</li> </ul>	
Feed blends information including blend type, amount	Breeder

<b>Pork</b>	
Input data	Options
<p>purchased, and percentage of additional feed ingredients and their emissions intensity.</p> <p>Custom feed blends require ingredient proportions to be entered</p>	<p>Gestating sows            Grower/Finisher            Lactating sows            Weaner            Custom</p>

Poultry - Layers	
Input data	Options
Number of layers and meat chicken layers in your flock	
Diet of your livestock (Feed) <i>To include Pasture or Crops for grazing, you must add Pasture or Cropping as a business activity when entering your property</i>	Pasture Crops for grazing Feed blends
(If applicable) information about your pasture, including: <ul style="list-style-type: none"> <li>• hectares</li> <li>• whether it is irrigated</li> <li>• amount, type and timing of the application of lime, fertiliser, herbicide, pesticide and fungicide</li> </ul>	
(If applicable) information about your crops for grazing, including <ul style="list-style-type: none"> <li>• crop type</li> <li>• hectares</li> <li>• yield in tonnes</li> <li>• whether it is irrigated</li> <li>• whether residue is burned</li> <li>• amount, type and timing of the application of lime, fertiliser, herbicide, pesticide and fungicide</li> </ul>	
Feed blends information including blend type, amount purchased, and percentage of additional feed ingredients and their emissions intensity.  Custom feed blends do not include ingredient proportions	Breeder grower Breeder production Breeder starter (rearer) Broiler finisher Broiler grower Broiler starter Broiler withdrawal Custom FR finisher FR grower FR starter FR withdrawal Pre-breeder production Pre-breeder (rearer)
Purchases of flock including month of purchase, class, amount purchased, liveweight and percentage free range	
Percentage of manure added to pasture range,	

# INPUT CHECKLIST

paddocks or free-range systems	
Percentage of litter recycled, frequency of cycles	
Average layer eggs produced over the year (per bird)	
Average layer egg weight in grams	
Average meat chicken layer eggs produced over the year (per bird)	
Average meat chicken layer egg weight in grams	

<b>Poultry broilers</b>	
Input data	Options
Type of poultry in your flock	Meat chicken growers Meat chicken layers Other
Number of birds, average length of stay in days, liveweight per head in kgs	
Diet of your flock	Pasture Crops for grazing Feed blends
(If applicable) information about your pasture, including: <ul style="list-style-type: none"> <li>• hectares</li> <li>• whether it is irrigated</li> <li>• amount, type and timing of the application of lime, fertiliser, herbicide, pesticide and fungicide</li> </ul>	
(If applicable) information about your crops for grazing, including <ul style="list-style-type: none"> <li>• crop type</li> <li>• hectares</li> <li>• yield in tonnes</li> <li>• whether it is irrigated</li> <li>• whether residue is burned</li> <li>• amount, type and timing of the application of lime, fertiliser, herbicide, pesticide and fungicide</li> </ul>	
Feed blends information including blend type, amount purchased, and percentage of additional feed ingredients and their emissions intensity.  Custom feed blends do not include ingredient proportions	Breeder grower Breeder production Breeder starter (rearer) Broiler finisher Broiler grower Broiler starter Broiler withdrawal Custom FR finisher FR grower FR starter FR withdrawal Pre-breeder production Pre-breeder (rearer)

# INPUT CHECKLIST

Feed breakdown for your flock, including dry matter intake, digestibility, crude protein, manure ash content, nitrogen retention rate	Default values available to pre-fill data
Purchases and sales of broilers, including month of purchase/sale, class, amount, total liveweight and percentage of free range	
Percentage of manure added to pasture range, paddocks or free-range systems	
Percentage of manure handled through drylot and solid storage	
Percentage of litter recycled, frequency of cycles	



## Cropping & Pasture

<b>Grain crops</b>
Input data
Information about your crops, including <ul style="list-style-type: none"> <li>• crop type</li> <li>• hectares</li> <li>• yield in tonnes</li> <li>• whether it is irrigated</li> <li>• whether residue is burned</li> </ul>
Amount, type and timing of the application of lime
Amount, type and timing of the application of fertiliser
Amount, type and timing of the application of herbicide
Amount, type and timing of the application of pesticide
Amount, type and timing of the application of fungicide

<b>Pasture</b>
Input data
Area under pasture in hectares and whether it is irrigated
Amount, type and timing of the application of lime
Amount, type and timing of the application of fertiliser
Amount, type and timing of the application of herbicide
Amount, type and timing of the application of pesticide
Amount, type and timing of the application of fungicide

<b>Cotton</b>
Input data
Cropping area in hectares
Yield in tonnes per hectare
Number of bales per hectare
Whether the crop residue is burned
Amount, type and timing of the application of lime
Amount, type and timing of the application of fertiliser
Amount, type and timing of the application of herbicide
Amount, type and timing of the application of pesticide
Amount, type and timing of the application of fungicide

<b>Sugar</b>
Input data
Cropping area in hectares
Yield in tonnes per hectare
Whether the residue is burned
Amount, type and timing of the application of lime
Amount, type and timing of the application of fertiliser
Amount, type and timing of the application of herbicide
Amount, type and timing of the application of pesticide
Amount, type and timing of the application of fungicide

## Land Management

Tree Plantings	
Input data	Options
Total planting area in hectares	
Region of the planting	
(Optional) Soil type	Relevant options will display based on region selected
Species planted	Relevant options will display based on region selected
Average age of trees in years	
(Optional) Number of trees per hectare	

Savanna Burning	
Input data	Options
Vegetation class	Multiple options available to select from
Patchiness	High or Low
Fuel class size	Coarse or Fine
Fire season	Early or Late
Years since last fire	
Fire scar in hectares	
Rainfall zone	High or Low