Base information required for sheep and beef OverseerFM® nutrient budget

Year:

(Note: nutrient budget year is from July to June)

OverseerFM® is a software application that supports farmers and growers to make informed decisions about their nutrient use on-farm to improve performance and reduce losses to the environment.

This template has been designed to help sheep and beef farmers collate some base information needed to complete a nutrient budget for their farm using OverseerFM®. A suitably qualified advisor/consultant will be able to use this information to start building an OverseerFM® nutrient budget. Farmers need to ensure that all information recorded in this template is accurate and up to date.

Note: Additional information will be required to complete your OverseerFM® nutrient budget. This template does have areas where you can identify "blocks"; as this is an important step in developing an OverseerFM® nutrient budget. Blocks should be defined based on land uses, management systems, topography and enterprise. These will need to be finalised by your consultant/qualified advisor.

Each Paddock in a block should:

- **Grow the same pasture or crop**
- **Support similar animals**
- **Have a similar climate**
- **Have similar topography (for pastoral)**
- **Have similar fertiliser applications**
- **Have the same drainage.**

Farm details			
Farm name			
Farm physical address			
Owner/s			
Manager			
Annual rainfall (mm)			
Total farm area (ha)		Effective area (ha)	
Contact phone number/s		Email	

Having trouble editing and saving this form? You need to use the latest version of Adobe Reader. Click here to download and install the latest version.

Editable PDF 1

Sheep—stock numbers (July to June)

Dates, weights and rates	
Average lambing date (MA + 2ths)	
Average weaning date (MA + 2ths)	
Lambing % (lambs weaned/inlamb ewes in July)	
Weaning weight	
Liveweight non-replacement female animals are sold	
Breeding ewes replacement rate	
Greasy wool kg/yr	

Sheep stock details—separate by stock type							
Stock type[1]							
Breed							
Start live weight[2]							
End live weight[3]							
Start age (months)							
Source[4]							
Sex (m/f/mixed)							
Fate[5]							

[1] **Stock type**—*breeding ewes (mixed age), breeding replacements, breeding rams (mixed age), lambs, ewes and hoggets, wethers or rams.*

[2] **Start live weight**—*as of 1 July. For lambs this is at weaning.* [3] **End live weight**—*As of 30 June. For lambs this is when sold or 30 June if they remain on farm.*

[4] **Source**—*on farm, bought, weaned.* [5] **Fate**—*sold to store, sold to works, remain on farm.*

Sheep mob numbers by month												
Stock type	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun

Beef/dairy grazers—stock numbers (July to June)

Dates, weights and rates	
Average calving date	
Average weaning date	
Breeding cows calving % (calves weaned/cows in July)	
Weaning weight	
Breeding replacement rate	

Cattle stock details—separate by stock type							
Stock type[1]							
Breed							
Start live weight[2]							
End live weight[3]							
Start age (months)							
Source[4]							
Sex (m/f/mixed)							
Fate[5]							

Name each different grouping of stock. if similar classes of stock are sold at different times, each group sold should be described as a different mob.

[1]**Stock type**—*breeding cows (mixed age), breeding cows, breeding replacements, breeding bulls (mixed age), weaners, heifers & cows, steers, bulls, dairy grazing (milking cows), or dairy grazing (replacements).*

[2] **Start live weight**—*as of 1 July. For weaner this is at weaning.* [3] **End live weight**—*As of 30 June or when sold.*

[4] **Source**—*on farm, bought, weaned.* [5] **Fate**—*sold to store, sold to works, remain on farm.*

Beef/dairy grazers mob numbers by month												
Stock type	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun

Deer—stock numbers (July–June)

Dates, weights and rates	
Average fawning date	
Average weaning date	
Breeding hinds fawning % (fawns weaned/hinds in July)	
Velvet production (kg/ha)	
Weaning weight	
Breeding replacement rate (%)	

Deer stock details—separate by stock type							
Stock type[1]							
Breed							
Start live weight[2]							
End live weight[3]							
Start age (months)							
Source[4]							
Sex (m/f/mixed)							
Fate[5]							

Name each different grouping of stock. if similar classes of stock are sold at different times, each group sold should be described as a different mob.

[1] **Stock type**—*breeding hinds (mixed age), breeding hinds, breeding replacements, breeding stags, weaners, hinds, stags (mixed age), stags.*
[2] **Start live weight**—*as of 1 July. For weaner this is at weaning.* [3] **End live weight**—*As of 30 June or when sold.*
[4] **Source**—*on farm, bought, weaned.* [5] **Fate**—*sold to store, sold to works, remain on farm.*

Deer mob numbers by month												
Stock type	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun

Paddock information—topography and soil test results

Assigned block[1]	Paddock name	Area (ha)	Mole and tile drainage (Y/N)	Topography[2]	Olsen P	Potassium (QT K)	Calcium (QT Ca)	Magnesium (QT Mg)	Sodium (QT Na)	Sulphur[3] (mg/kg)	(type)

[1]Blocks in OverseerFM® can be defined as land used for a common purpose and manged in a similar way. OverseerFM® allows 3 soil and 2 or more irrigaion systems per bock.

[2]**Topography**—*Flat, Rolling, Easy hill, Steep hill,* [3]**Sulphur type**—*Total S, Organic S, Sulphate S*

Paddock information—topography and soil test results

Assigned block[1]	Paddock name	Area (ha)	Mole and tile drainage (Y/N)	Topography[2]	Olsen P	Potassium (QT K)	Calcium (QT Ca)	Magnesium (QT Mg)	Sodium (QT Na)	Sulphur[3] (mg/kg) (type)

[1]Blocks in OverseerFM® can be defined as land used for a common purpose and manged in a similar way. OverseerFM® allows 3 soil and 2 or more irrigaion systems per bock.

[2]**Topography**—*Flat, Rolling, Easy hill, Steep hill* [3]**Sulphur type**—*Total S, Organic S, Sulphate S*

Fertiliser and lime (applied to ***pasture*** only)

Product name	Total tonnage (tonnes)	Rate (kg/ha)	Month applied	Paddock(s) applied on

Note: *Fertiliser applications to any crops should not be recorded here. this will be recorded in the "Cropping" section.*

Supplementary feed

Supplements imported (and fed on farm)				
Type of feed[1]	Paddock(s) where fed	Amount imported (T)	As dry weight?	Animals fed

[1] *(e.g. maize silage, pasture silage, barley or wheat straw, maize, barley or wheat grain, molasses, PKE etc.)*

Supplements fed out from storage				
Type of feed[1]	Paddock(s) where fed	Amount fed (T)	As dry weight?	Animals fed

[1] *(e.g. hay, baleage, silage)*

Supplements made on farm					
Type of feed[1]	Paddock(s) where made	Paddock(s) where fed	Amount made (T)	As dry weight?	Animals fed

[1] *(e.g. hay, baleage, silage, direct feeding)*

Irrigation (if applicable)

Please tick the months when typically irrigating. If you have a long term record of rates applied, enter irrigation rates. If uncertain, refer to protocol.

Paddock name							
Irrigation type*							
Irrigation area (ha)							
October	☐	☐	☐	☐	☐	☐	☐
November	☐	☐	☐	☐	☐	☐	☐
December	☐	☐	☐	☐	☐	☐	☐
January	☐	☐	☐	☐	☐	☐	☐
February	☐	☐	☐	☐	☐	☐	☐
March	☐	☐	☐	☐	☐	☐	☐
April	☐	☐	☐	☐	☐	☐	☐

*__Irrigation type__— *Centre pivot/lateral, Travelling irrigator, Spraylines/K-line, Drip/micro, Solid set/fixed grid, Flood, Boarder dyke*

Total annual water used for irrigation:

How is irrigation scheduled?	Visual/dig a hole ☐	Fixed depth & return period ☐	Soil moisture budget ☐	Soil moisture probes or tapes ☐			
Soil moisture probes or tapes:	Trigger point (when you start to irrigate)		Refill point (what you fill up to)				
When irrigating, do you (select one):	Vary application depth ☐	Vary return period ☐	Vary both ☐	Vary none ☐			

Cropping (fodder crops, forages, grain crops, seed crops, vegetables)

	Current crop				Previous crop in that paddock (if applicable)				Crop to follow paddock			
Crop No. 1												
Area (ha)												
Paddock name												
Yield (t/ha)												
Cultivation method[1]												
Month sown												
Stock fed to												
Month(s) harvested/grazed												
Post-harvest management[2]												
Previous years in pasture (out of the last 10 years)												
Fertiliser applications	Product	Rate (kg/ha)	Month applied	Method	Product	Rate (kg/ha)	Month applied	Method	Product	Rate (kg/ha)	Month applied	Method

[1] **Cultivation method**—*conventional, direct drilled, minimum till*

[2] **Post-harvest management**—*retained/incorporated, grazed, burnt, removed*

Cropping cont.

	Current crop				Previous crop in that paddock (if applicable)				Crop to follow paddock			
Crop No. 1												
Area (ha)												
Paddock name												
Yield (t/ha)												
Cultivation method[1]												
Month sown												
Stock fed to												
Month(s) harvested/grazed												
Post-harvest management[2]												
Previous years in pasture (out of the last 10 years)												
Fertiliser applications	Product	Rate (kg/ha)	Month applied	Method	Product	Rate (kg/ha)	Month applied	Method	Product	Rate (kg/ha)	Month applied	Method

[1] **Cultivation method**—*conventional, direct drilled, minimum till*

[2] **Post-harvest management**—*retained/incorporated, grazed, burnt, removed*

Cropping cont.

	Current crop				Previous crop in that paddock (if applicable)				Crop to follow paddock			
Crop No. 1												
Area (ha)												
Paddock name												
Yield (t/ha)												
Cultivation method[1]												
Month sown												
Stock fed to												
Month(s) harvested/grazed												
Post-harvest management[2]												
Previous years in pasture (out of the last 10 years)												
Fertiliser applications	Product	Rate (kg/ha)	Month applied	Method	Product	Rate (kg/ha)	Month applied	Method	Product	Rate (kg/ha)	Month applied	Method

[1] **Cultivation method**—*conventional, direct drilled, minimum till*

[2] **Post-harvest management**—*retained/incorporated, grazed, burnt, removed*

Cropping cont.

	Current crop				Previous crop in that paddock (if applicable)				Crop to follow paddock			
Crop No. 1												
Area (ha)												
Paddock name												
Yield (t/ha)												
Cultivation method[1]												
Month sown												
Stock fed to												
Month(s) harvested/grazed												
Post-harvest management[2]												
Previous years in pasture (out of the last 10 years)												
Fertiliser applications	Product	Rate (kg/ha)	Month applied	Method	Product	Rate (kg/ha)	Month applied	Method	Product	Rate (kg/ha)	Month applied	Method

[1] **Cultivation method**—*conventional, direct drilled, minimum till*

[2] **Post-harvest management**—*retained/incorporated, grazed, burnt, removed*

Cropping cont.

	Current crop				Previous crop in that paddock (if applicable)				Crop to follow paddock			
Crop No. 1												
Area (ha)												
Paddock name												
Yield (t/ha)												
Cultivation method[1]												
Month sown												
Stock fed to												
Month(s) harvested/grazed												
Post-harvest management[2]												
Previous years in pasture (out of the last 10 years)												
Fertiliser applications	Product	Rate (kg/ha)	Month applied	Method	Product	Rate (kg/ha)	Month applied	Method	Product	Rate (kg/ha)	Month applied	Method

[1] **Cultivation method**—*conventional, direct drilled, minimum till*

[2] **Post-harvest management**—*retained/incorporated, grazed, burnt, removed*

Grazing restrictions

Exclusions:				Restrictions:
Block Name[1]	Paddock Name	Stock class excluded	Month(s) excluded	Stock class(s) grazed by

[1] Consultant to confirm

Wetlands

Block[1]	Wetland name	Total wetland area (ha)	Fenced or unfenced?	Natural or artificial?	Paddocks wetland is in	Catchment area (ha)

[1] Consultant to confirm

Grass filter strips

Note: A grass filter strip is an area fenced off containing dense grass where runoff water passes through it before reaching a water body such as a stream.

Block[1]	Paddock situated in	Length of strip (m)	Width of strip (m)	Catchment area supplying strip	Age of strip (years)

[1] Consultant to confirm