

killermont

File: SHL KMT Final_1100 ha_350 kg MS_ animal weight_HD.ovp

Parameter report

Parameter name	Units	Value
Region		High Country (> 300 m)
No Fuel, electricity and other farm inputs		
No Farm capital (structure) inputs		

Block setup summary

Block name	Block type	Effective area (ha)	Relative productivity
Irrigated	Pastoral	1100	1
Total farm area declared as blocks		ha	1100
Total farm area		ha	1100
Relative productivity assessment method			Relative yield
Make all block stock ratios same as farm stock ratios			False

Stock Information: Dairy animals

Dairy cows	/yr	3850
Replacements grazed off farm from Breed		Weaning Friesian

Advanced dairy production

Milk solid yield	kg/yr	1347500
Lactation length	days	Unknown
Average weight	kg/animal	525
% replacements in milking herd		Unknown

Herd 1

Median calving date	1 January
Percent of herd	33

Herd 2

Median calving date	1 April
Percent of herd	33

Herd 3

Median calving date	1 August
Percent of herd	34

Effluent disposal system	Holding pond
--------------------------	--------------

Ponding system

Pond treatment methods	Mechanical separation
Pond sludge disposal method	Other (exported)
Solids disposal method	Other (exported)
Once a day milking	Never

Feed pad

Month	Percentage of milking cows	Hours per day on feed pad
January	100	12
February	100	12
March	100	12
April	0	.
May	0	.
June	0	.

July	0	.
August	0	.
September	0	.
October	100	12
November	100	12
December	100	12
Manure removal method		Scraping (no water)
Solid disposal method		Spread selected blocks
Solid storage method		Open (to rain)
Time in storage	months	1

Wintering pad / animalshelter for Dairy animals

Feeding regime Wintering pad only

Grazed out most of farm prior to removal of animals

% cows on wintering pad		100
Month on to wintering pad, beginning of		April
Month off wintering pad end of		September
Pad construction		
Covered pad or animal shelter		
Material that covers the pad surface, or is used to line the b		No lining material
Concrete surface cleaning method		Scraping (no water)
Solids separated		True
Liquid effluent management		
Added to farm dairy effluent		True
Solid effluent management		
Solid disposal method		Spread selected blocks
Storage method		Open (to rain)
Time in storage	months	4

Dairy winter grazing off option not used

Dairy Winter stand off or loafing pads option not used

Advanced pasture and supplements options for Dairy not used

Animal health supplementation used by Dairy animals

No animal supplementation has been entered

DCD is not applied

No Wetland information

Supplements Added

Category	Type	Amount (T)	Amount on a dry weight basis	Destination	Animal type or block
Silages	Pasture good quality silage	5500	True	Wintering pad	dairy

Block Information

Parameter name	Units	Value
Block name		Irrigated
Area	ha	1100
Block type		Pastoral
Topography		Flat
Distance from coast	km	90
Profile drainage class		Well
Poorly drained		False

Block Information

Parameter name	Units	Value
Mole/tile drained		False
Spray effluent		True
Effluent application depth		Low application rate methods
Receives effluent from a wintering pad/animal shelter treatment		
Receives pond sludge from a wintering pad/animal shelter treatment		
Receives separated solids from feed pad		
Receives separated solids from wintering pad/animal shelter		
Irrigation	mm	600
Irrigation		
Border dyke		False
Water source is border dyke outwash		False
Irrigation nutrient concentrations for block		
Irrigation Source		Block specific
Irrigation Units		mg/l
	N	P
	0.1	0.1
	K	S
	0.8	1.3
	Ca	Mg
	4.7	1.1
		Na
		4.3
Climate		
Mean annual rainfall	mm	500
Mean annual temperature	°C	9.1
Seasonal variation in rainfall		Moderate
Annual potential evapotranspiration (PET)		801-950
Seasonal variation in PET		Unknown
Hydrophobic condition		Unknown
Animals and Pasture		
Ratio and type of stock based on whole farm values because there is only one block		
Dairy or beef animals have direct access to streams		False
Development status (organic nutrients)		Highly developed
Pasture type		Ryegrass / white clover
Pasture quality		
Pasture digestibility and ME not entered		
Clover levels		Low
Pasture utilisation (%)		Default used
Soil information		
Soil type		MACKENZIE
Soil order (default)		Recent
Soil group (default)		Sedimentary
Sand parent material		False
Soil texture		Sandy loam
Soil profile		Stony
Olsen P		23
QT K		6.5
QT Ca		5
QT Mg		9
QT Na		8

Block Information

Parameter name	Units	Value
Organic S		17
TBK reserve K test		Not known
Anion storage capacity or PR		Not known

Block Fertiliser

Fertiliser nutrient forms

Urea	DAP	Other NH4	NO3 Form			
150	0	0	0			
Super	DAP / DCP	RPR	Other			
20	0	0	0			
K	Sulphate S	Elemental S	Ca	Mg	Na	
0	10	0	0	0	0	

No N added in May, June and July

No soluble P applied in high risk months

Fertiliser P applied within 3 weeks of border dyke irrigation

False

Supplements removed

Type	Amount T/ha	Amount on dry weight basis	Destination
Silage	3.5	True	Wintering pad
Silage	1.5	True	Feed pad
