

Glen Eyrie

File: GED final_reduced n inputs_400 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	2068	1
Block1	Pastoral	67	0.01
Total farm area declared as blocks	ha		2135
Total farm area	ha		2135
Relative productivity assessment method			Grazing days
Make all block stock ratios same as farm stock ratios			False

Stock Information: Dairy animals

Dairy cows	/yr	7000
Replacements grazed off farm from		Weaning
Breed		Friesian

Advanced dairy production

Milksolid yield	kg/yr	2800000
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
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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
% 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)

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

Wetlands

Wetland 1		
Effective wetland area	ha	200
Condition		Class 1
Catchment area	ha	500
Catchment convergence		Moderate convergence
Wetland type		Type A
Aquitard depth		Unknown

Wetland 2		
Effective wetland area	ha	50
Condition		Class 1
Catchment area	ha	200
Catchment convergence		Moderate convergence
Wetland type		Type A
Aquitard depth		Unknown

Supplements Added

Category	Type	Amount (T)	Amount on a dry weight basis	Destination	Animal type or block
Silages	Pasture average quality silage	14500g	True	Wintering pad	dairy

Block Information

Parameter name	Units	Value
Block name		Irrigated
Area	ha	2068
Block type		Pastoral
Topography		Rolling
Distance from coast	km	90
Profile drainage class		Well
Poorly drained		False
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
	K	S
	Ca	Mg
	Na	
	0.5	0.1
	0.8	1.3
	4.7	1.1
		4.3
Riparian strips		
Catchment area supplying grass filterstrip	ha	750
Length of riparian strip	m	9750
Width of grass filterstrip (downlength slope)	m	5
Percentage of surface flow that drains through grass filterstrip	%	85
Percentage of runoff that is intercepted by grass filterstrip	%	85
Percentage of length of grass filterstrip that ponds water	%	85
Age of grass filterstrip	years	5
Entry condition		Bottom of hill, flat entry
Climate		
Mean annual rainfall	mm	700
Mean annual temperature	°C	9.1
Seasonal variation in rainfall		Moderate
Annual potential evapotranspiration (PET)		Unknown
Seasonal variation in PET		Unknown
Hydrophobic condition		Unknown

Animals and Pasture

Block Information

Parameter name	Units	Value
Ratio and type of stock based on whole farm values because there is only one type of stock		
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		Verylow
Pasture utilisation (%)		Default used

Soil information

Soil type		OHAU
Soil order (default)		Brown
Soil group (default)		Sedimentary
Sand parent material		False
Soil texture		Silt loam
Soil profile		Shallow
Olsen P		22
QT K		6.5
QT Ca		5
QT Mg		9
QT Na		8
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			
115	0	0	0			
Super	DAP / DCP	RPR	Other			
0	0	13	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
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Supplements removed

Type	Amount T/ha	Amount on dry weight basis	Destination
Silage	2.5	True	Wintering pad
Silage	2	True	Feed pad

Block Information

Parameter name	Units	Value
Block name		Block1
Area	ha	67
Block type		Pastoral
Topography		Rolling
Distance from coast	km	90
Profile drainage class		Well
Poorly drained		False
Mole/tile drained		False
Receives no liquid or solid effluents		
No irrigation applied		
Climate		
Mean annual rainfall	mm	700
Mean annual temperature	°C	9.1
Seasonal variation in rainfall		Moderate
Annual potential evapotranspiration (PET)		Unknown
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 type of stock		
Dairy or beef animals have direct access to streams		False
Development status (organic nutrients)		Developed
Pasture type		Ryegrass / white clover
Pasture quality		
Pasture digestibility and ME not entered		
Clover levels		Verylow
Pasture utilisation (%)		Default used
Soil information		
Soil type		OHAU
Soil order (default)		Brown
Soil group (default)		Sedimentary
Sand parent material		False
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Soil profile		Shallow
Olsen P		10
QT K		6.5
QT Ca		5
QT Mg		9
QT Na		8
Organic S		10
TBK reserve K test		Not known
Anion storage capacity or PR		Not known
Block Fertiliser		
Fertiliser P applied within 3 weeks of border dyke irrigation		False
No supplements removed from the block		

Block Information

Parameter name

Units

Value
