

ELLIS- LEA FARMS 2000 LTD - THE
 GLENS
 C/- D G & K R ELLIS
 5 KELLANDS HILL ROAD
 TIMARU

GORDON MCCORMICK

Client Reference: 60825753

File: The Glens Proposed NB.ovp

Parameter report

Parameter name	Units	Value
Region		Canterbury
No Fuel, electricity and other farm inputs		
No Farm capital (structure) inputs		

Block setup summary

Block name	Block type	Effective area (ha)	Relative productivity
Milking Platform	Pastoral	306	1
Effluent Area	Pastoral	94	1
Total farm area declared as blocks		ha	400
Relative productivity assessment method			No difference between blocks
Make all block stock ratios same as farm stock ratios			False

Stock Information: Dairy animals

Dairy cows	/yr	1200
Replacements grazed off farm from Breed		Weaning F x J cross
Milk solids	kg/yr	450000
Effluent disposal system		Spray from sump
Once a day milking		Never

Dairy winter grazing off option not used
 Dairy feed pad option not used
 Dairy wintering pad/animal shelter 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

Nutrients used for drenching (dairy only)		
Mg material		
Material used		Magnesium chloride
Rate	g material/cow/day	60
Number of weeks used		30
Nutrients used for pasture dusting or adding to supplements		
Mg (using dusting grade MgO)	kg MgO/ha/year	10

DCD is not applied

No Wetland information

Supplements Added

Category	Type	Amount (T)	Amount on a dry weight basis	Destination	Animal type or block
Grains/Pulses	Barley grain	600.0	True	Paddocks	dairy

Block Information

Parameter name	Units	Value
Block name		Milking Platform
Area	ha	306
Block type		Pastoral
Topography		Flat
Distance from coast	km	80
Profile drainage class		Well
Poorly drained		False
Mole/tile drained		False
Receives no liquid or solid effluents		
Irrigation	mm	600

Irrigation

Border dyke	False
Water source is borderdyke outwash	False

Irrigation nutrient concentrations for block

Irrigation Source	Program default (fixed)						
Irrigation Units	mg/l						
	N	P	K	S	Ca	Mg	Na
	2.5	0.1	1.6	2.5	9.3	2.2	9.5

Climate

Mean annual rainfall	mm	500
Mean annual temperature	°C	9.2
Seasonal variation in rainfall		Low
Annual potential evapotranspiration (PET)		651-800
Seasonal variation in PET		Moderate
Hydrophobic condition		Unknown
Latitude South	°	44.1
Altitude	m	500

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

Soil information

Soil group		Sedimentary
Sand parent material		False
Soil texture		Unknown
Soil profile		Shallow
Olsen P		18
QT K		10
QT Ca		13
QT Mg		15
QT Na		5
Organic S		4.5
QT SO4	mg/kg	4
TBK reserve K test		1.82

Block Information

Parameter name	Units	Value
Anion storage capacity or PR		Not known

Block Fertiliser

Soluble Fertiliser

Urea N	Super P	K	Sulphate S	Ca	Mg	Na
0	0	0	0	0	0	0
N added in May, June and July					20	
No soluble P applied in high risk months						

Fertiliser Calculator

Fertiliser name	Category	Amount (kg/ha/yr)
Urea	Ravensdown other	450
Sulphur super 15	Ravensdown super	350
No N added in May, June and July		
No soluble P applied in high risk months		

Fertiliser nutrient forms

Urea	DAP	Other NH4	NO3 Form
0	0	0	0

Super	DAP / DCP	RPR	Other
0	0	0	0

K	Sulphate S	Elemental S	Ca	Mg	Na
0	0	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

No supplements removed from the block

Block Information

Parameter name	Units	Value
Block name		Effluent Area
Area	ha	94
Block type		Pastoral
Topography		Flat
Distance from coast	km	80
Profile drainage class		Well
Poorly drained		False
Mole/tile drained		False
Spray effluent		True
Effluent application depth		< 12 mm

Block Information

Parameter name	Units	Value					
Irrigation	mm	500					
Irrigation							
Border dyke		False					
Water source is borderdyke outwash		False					
Irrigation nutrient concentrations for block							
Irrigation Source		Program default (fixed)					
Irrigation Units		mg/l					
	N	P	K	S	Ca	Mg	Na
	2.5	0.1	1.6	2.5	9.3	2.2	9.5
Climate							
Mean annual rainfall	mm	500					
Mean annual temperature	°C	9.2					
Seasonal variation in rainfall		Low					
Annual potential evapotranspiration (PET)		651-800					
Seasonal variation in PET		Moderate					
Hydrophobic condition		Unknown					
Latitude South	°	44.1					
Altitude	m	500					
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					
Soil information							
Soil group		Sedimentary					
Sand parent material		False					
Soil texture		Unknown					
Soil profile		Deep					
Olsen P		18					
QT K		10					
QT Ca		13					
QT Mg		15					
QT Na		5					
Organic S		4.5					
TBK reserve K test		1.82					
Anion storage capacity or PR		Not known					
Block Fertiliser							
Soluble Fertiliser							
	Urea N	Super P	K	Sulphate S	Ca	Mg	Na
	100	15	0	30	0	0	0
No N added in May, June and July							
No soluble P applied in high risk months							

Block Information

Parameter name	Units				Value	
Fertiliser nutrient forms						
Urea	DAP	Other NH4	NO3 Form			
0	0	0	0			
Super	DAP / DCP	RPR	Other			
0	0	0	0			
K	Sulphate S	Elemental S	Ca	Mg	Na	
0	0	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

No supplements removed from the block
