

OTEMATATA STATION LTD -
 CAMERON H
 C/- H CAMERON
 PO BOX 1
 OTEMATATA

GORDON MCCORMICK

Client Reference: 585384

File: Otematata 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
Unimproved	Pastoral	29447	0.3
Oversown Top Dressed	Pastoral	8025	0.5
Paddocks	Pastoral	408	0.16
Irrigated	Pastoral	120	0.04
Total farm area declared as blocks	ha		38000
Relative productivity assessment method			Grazing days
Make all block stock ratios same as farm stock ratios			False

Stock Information: Sheep, beef and deer

Stock unit calculator

Sheep

Dominate breed					Merino
Number of ewes					10930
Ewe weight			kg		52
Number of ewe hogget replacements					2537
Number of rams					10900
Lambing month					October
Weaning month					February
Number of lambs weaned					6389
Hoggets lambled					False
Weaning weight			kg		26
Trading stock:					
Type	Number	Month on	Weigth start (kg)	Month off	Weigth end (kg)
Lambs (wean nonbreeding)	3852	February	26	April	30

Beef

Dominate breed					Hereford
Number of breeding cows					188
Live weight			kg		500
Number of R1 replacements					62
Number of R2 replacements					24
Number of bulls					8
R2 heifers calved					True
Weaning month					February
Trading stock:					
Type	Number	Month on	Weigth start (kg)	Month off	Weigth end (kg)
Weaners (nonbreeding)	126	February	180	April	240

Animal production
 No wool weight entered
 % beef as male 10

Grazing off options for sheep not used
 Advanced pasture supplement feeding options for sheep not used

Grazing off options for beef animals not used
 Wintering off/animal shelter options for beef animals not used
 Advanced pasture supplement feeding options for beef not used

Animal health supplementation used by Non-dairy animals

No animal supplementation has been entered

DCD is not applied
 No Wetland information
 No supplements added

Block Information

Parameter name	Units	Value
Block name		Unimproved
Area	ha	29447
Block type		Pastoral
Topography		Easyhill
Distance from coast	km	80
Profile drainage class		Unknown
Poorly drained		False
Mole/tile drained		False
Receives no liquid or solid effluents		
No irrigation applied		
Climate		
Mean annual rainfall	mm	350
Mean annual temperature	°C	9.2
Seasonal variation in rainfall		Low
Annual potential evapotranspiration (PET)		801-950
Seasonal variation in PET		Moderate
Hydrophobic condition		Unknown
Latitude South	°	44
Altitude	m	1200
Animals and Pasture		
Sheep	%	90
Merino		True
Beef	%	10
Finishing		False
Dairy or beef animals have direct access to streams		False
Development status (organic nutrients)		Developed
Pasture type		Unimproved/Tussock grasslands

Block Information

Parameter name	Units	Value
Soil information		
Soil group		Sedimentary
Sand parent material		False
Soil texture		Unknown
Soil profile		Stony
Olsen P		12
QT K		14
QT Ca		15
QT Mg		41
QT Na		6
Organic S		5.7
TBK reserve K test		Not known
Anion storage capacity or PR		Not known

Block Fertiliser

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		Oversown Top Dressed
Area	ha	8025
Block type		Pastoral
Topography		Easyhill
Distance from coast	km	80
Profile drainage class		Unknown
Poorly drained		False
Mole/tile drained		False
Receives no liquid or solid effluents		
No irrigation applied		

Climate

Block Information

Parameter name	Units	Value
Mean annual rainfall	mm	350
Mean annual temperature	°C	9.2
Seasonal variation in rainfall		Low
Annual potential evapotranspiration (PET)		801-950
Seasonal variation in PET		Moderate
Hydrophobic condition		Unknown
Latitude South	°	44
Altitude	m	800

Animals and Pasture

Sheep	%	80
Merino		True
Beef	%	20
Finishing		False
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

Olsen P		23
QT K		16
QT Ca		6
QT Mg		34
QT Na		2
Organic S		6.8
TBK reserve K test		Not known
Anion storage capacity or PR		Not known

Block Fertiliser

Fertiliser Calculator

Fertiliser name	Category	Amount (kg/ha/yr)
Maxi sulphur super 50S	Ravensdown super	45
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	

Block Information

Parameter name	Units	Value
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		Paddocks
Area	ha	408
Block type		Pastoral
Topography		Rolling
Distance from coast	km	80
Profile drainage class		Unknown
Poorly drained		False
Mole/tile drained		False
Receives no liquid or solid effluents		
No irrigation applied		

Climate

Mean annual rainfall	mm	350
Mean annual temperature	°C	9.2
Seasonal variation in rainfall		Low
Annual potential evapotranspiration (PET)		801-950
Seasonal variation in PET		Moderate
Hydrophobic condition		Unknown
Latitude South	°	44
Altitude	m	350

Animals and Pasture

Sheep	%	90
Merino		True
Beef	%	10
Finishing		False
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

Olsen P		28
QT K		19

Block Information

Parameter name	Units	Value
QT Ca		7
QT Mg		39
QT Na		3
Organic S		7.9
TBK reserve K test		Not known
Anion storage capacity or PR		Not known

Block Fertiliser

Fertiliser Calculator

Fertiliser name	Category	Amount (kg/ha/yr)
Sulphur super 30	Ravensdown super	100
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		Irrigated
Area	ha	120
Block type		Pastoral
Topography		Flat
Distance from coast	km	80
Profile drainage class		Unknown
Poorly drained		False
Mole/tile drained		False
Receives no liquid or solid effluents		
Irrigation	mm	600

Irrigation

Block Information

Parameter name	Units	Value
Border dyke		False
Water source isborderdyke outwash		False
Irrigation nutrient concentrations for block		
Irrigation Source		Program default (fixed)
Irrigation Units		mg/l
	N	P
	2.5	0.1
	K	S
	1.6	2.5
	Ca	Mg
	9.3	2.2
		Na
		9.5

Climate

Mean annual rainfall	mm	350
Mean annual temperature	°C	9.2
Seasonal variation in rainfall		Low
Annual potential evapotranspiration (PET)		801-950
Seasonal variation in PET		Moderate
Hydrophobic condition		Unknown
Latitude South	°	44
Altitude	m	300

Animals and Pasture

Sheep	%	80
Merino		True
Beef	%	20
Finishing		True
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		28
QT K		19
QT Ca		7
QT Mg		39
QT Na		3
Organic S		6.8
QT SO4	mg/kg	6
TBK reserve K test		Not known
Anion storage capacity or PR		Not known

Block Fertiliser

Fertiliser Calculator

Fertiliser name	Category	Amount (kg/ha/yr)
Sulphur super 20	Ravensdown super	250
Urea	Ravensdown other	200
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
