

WAITANGI STATION LTD - SUTTON D NICKY HAND  
 C/- D SUTTON  
 PO BOX 11  
 KUROW  
 Client Reference: 790578  
 File: Waitangi 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
Oversown Hill Country	Pastoral	4950	2
Unimproved Hill Country	Pastoral	15000	0.15
Lucerne	Pastoral	38	6
Paddocks	Pastoral	60	3.5
Unimproved Low Country	Pastoral	784	1.5
Irrigation	Pastoral	128	14
Total farm area declared as blocks	ha		20960
Relative productivity assessment method			Relative yield
Make all block stock ratios same as farm stock ratios			False

### Stock Information: Sheep, beef and deer

Sheep	RSU	11700
Beef	RSU	2000
Animal production		
Wool	kg	65000
% beef as male		2

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

### Supplements Added

Category	Type	Amount (T)	Amount on a dry weight basis	Destination	Animal type or block
Grains/Pulses	Barley grain	20.0	False	Paddocks	Oversown Hill Co

## Block Information

Parameter name	Units	Value
Block name		Oversown Hill Country
Area	ha	4950
Block type		Pastoral
Topography		Steep hill
Distance from coast	km	85
Profile drainage class		Moderately well
Poorly drained		False
Mole/tile drained		False
Receives no liquid or solid effluents		
No irrigation applied		

## Climate

Mean annual rainfall	mm	450
Mean annual temperature	°C	7
Seasonal variation in rainfall		Low
Annual potential evapotranspiration (PET)		500-650
Seasonal variation in PET		Moderate
Hydrophobic condition		Unknown
Latitude South	°	442
Altitude	m	650

## Animals and Pasture

Sheep	%	88
Merino		True
Beef	%	12
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		20
QT K		6
QT Ca		6
QT Mg		30
QT Na		5
Organic S		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)
Sulphur super 30	Ravensdown super	60
No N added in May, June and July		

## Block Information

Parameter name	Units				Value	
No soluble P applied in high risk months						
<b>Fertiliser nutrient forms</b>						
<b>Urea</b>	<b>DAP</b>	<b>Other NH4</b>	<b>NO3 Form</b>			
0	0	0	0			
<b>Super</b>	<b>DAP / DCP</b>	<b>RPR</b>	<b>Other</b>			
0	0	0	0			
<b>K</b>	<b>Sulphate S</b>	<b>Elemental S</b>	<b>Ca</b>	<b>Mg</b>	<b>Na</b>	
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		Unimproved Hill Country
Area	ha	15000
Block type		Pastoral
Topography		Steep hill
Distance from coast	km	85
Profile drainage class		Moderately well
Poorly drained		False
Mole/tile drained		False
Receives no liquid or solid effluents		
No irrigation applied		
<b>Climate</b>		
Mean annual rainfall	mm	600
Mean annual temperature	°C	6
Seasonal variation in rainfall		Low
Annual potential evapotranspiration (PET)		< 500
Seasonal variation in PET		Moderate
Hydrophobic condition		Unknown
Latitude South	°	44.2
Altitude	m	1000
<b>Animals and Pasture</b>		
Sheep	%	100
Merino		True
Development status (organic nutrients)		Developed

## Block Information

Parameter name	Units	Value
Pasture type		Unimproved/Tussock grasslands
<b>Soil information</b>		
Soil group		Sedimentary
Sand parent material		False
Soil texture		Unknown
<b>Soil profile</b>		
Olsen P		16
QT K		7
QT Ca		7
QT Mg		23
QT Na		8
Organic S		6
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		Lucerne
Area	ha	38
Block type		Pastoral
Topography		Rolling
Distance from coast	km	85
Profile drainage class		Moderately well
Poorly drained		False
Mole/tile drained		False
Receives no liquid or solid effluents		
No irrigation applied		

## Block Information

Parameter name	Units	Value
<b>Climate</b>		
Mean annual rainfall	mm	400
Mean annual temperature	°C	8
Seasonal variation in rainfall		Low
Annual potential evapotranspiration (PET)		651-800
Seasonal variation in PET		Moderate
Hydrophobic condition		Unknown
Latitude South	°	441
Altitude	m	300
<b>Animals and Pasture</b>		
Sheep	%	100
Merino		True
Development status (organic nutrients)		Developing
Pasture type		Ryegrass / white clover
<b>Soil information</b>		
Soil group		Sedimentary
Sand parent material		False
Soil texture		Unknown
<b>Soil profile</b>		
Olsen P		40
QT K		16
QT Ca		6
QT Mg		18
QT Na		4
Organic S		1
TBK reserve K test		Not known
Anion storage capacity or PR		Not known

## Block Fertiliser

### Fertiliser Calculator

Fertiliser name	Category	Amount (kg/ha/yr)
Lucerne mix + TE	Ravensdown super	250
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

## Supplements removed

Type	Amount T/ha	Amount on dry weight basis	Destination	Block fed on
Balage	2	True	Paddocks	On all blocks

-----

## Block Information

Parameter name	Units	Value
Block name		Paddocks
Area	ha	60
Block type		Pastoral
Topography		Rolling
Distance from coast	km	85
Profile drainage class		Moderately well
Poorly drained		False
Mole/tile drained		False
Receives no liquid or solid effluents		
No irrigation applied		
<b>Climate</b>		
Mean annual rainfall	mm	400
Mean annual temperature	°C	8
Seasonal variation in rainfall		Low
Annual potential evapotranspiration (PET)		651-800
Seasonal variation in PET		Moderate
Hydrophobic condition		Unknown
Latitude South	°	442
Altitude	m	300
<b>Animals and Pasture</b>		
Sheep	%	100
Merino		True
Development status (organic nutrients)		Developing
Pasture type		Ryegrass / white clover
<b>Soil information</b>		
Soil group		Sedimentary
Sand parent material		False
Soil texture		Unknown
<b>Soil profile</b>		
Olsen P		16
QT K		7
QT Ca		7

## Block Information

Parameter name	Units	Value
QT Mg		23
QT Na		8
Organic S		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	180
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		Unimproved Low Country
Area	ha	784
Block type		Pastoral
Topography		Rolling
Distance from coast	km	85
Profile drainage class		Moderately well
Poorly drained		False
Mole/tile drained		False
Receives no liquid or solid effluents		
No irrigation applied		
<b>Climate</b>		
Mean annual rainfall	mm	400

## Block Information

Parameter name	Units	Value
Mean annual temperature	°C	8
Seasonal variation in rainfall		Low
Annual potential evapotranspiration (PET)		651-800
Seasonal variation in PET		Moderate
Hydrophobic condition		Unknown
Latitude South	°	441
Altitude	m	400

## Animals and Pasture

Sheep	%	88
Merino		True
Beef	%	12
Finishing		False
Dairy or beef animals have direct access to streams		False
Development status (organic nutrients)		Developed
Pasture type		Browntop

## Soil information

Soil group		Sedimentary
Sand parent material		False
Soil texture		Unknown

## Soil profile

Olsen P		42
QT K		22
QT Ca		8
QT Mg		25
QT Na		3
Organic S		1
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		Irrigation
Area	ha	128
Block type		Pastoral
Topography		Flat
Distance from coast	km	85
Profile drainage class		Moderately 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						
	<b>N</b>	<b>P</b>	<b>K</b>	<b>S</b>	<b>Ca</b>	<b>Mg</b>	<b>Na</b>
	2.5	0.1	1.6	2.5	9.3	2.2	9.5

### Climate

Mean annual rainfall	mm	400
Mean annual temperature	°C	8
Seasonal variation in rainfall		Low
Annual potential evapotranspiration (PET)		651-800
Seasonal variation in PET		Moderate
Hydrophobic condition		Unknown
Latitude South	°	44.2
Altitude	m	300

### Animals and Pasture

Sheep	%	70
Merino		True
Beef	%	30
Finishing		True
Dairy or beef animals have direct access to streams		False
Development status (organic nutrients)		Developing
Pasture type		Ryegrass / white clover

### Soil information

Soil group	Sedimentary
Sand parent material	False
Soil texture	Unknown

### Soil profile

Olsen P	20
QT K	8
QT Ca	10
QT Mg	23
QT Na	3
Organic S	2

## Block Information

Parameter name	Units	Value
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	220
Urea	Ravensdown other	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

### Supplements removed

Type	Amount T/ha	Amount on dry weight basis	Destination	Block fed on
Balage	1.20000004768372e		Paddocks	On all blocks

-----