

Otamatapaio Station Ltd  
 PO Box 421  
 Wanaka  
 Client Reference: 125146  
 File: Otamatapaio Station Ltd (V2).ovp

Paul Johnston  
 Ballance Agri Nutrients

## 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
Pivot	Pastoral	76	1
Border Dykes	Pastoral	90	0.9
Oversown H C	Pastoral	2400	0.2
Dryland Pdks	Pastoral	2786	0.5
Native Blocks	Pastoral	1100	0.1
Glenburn Borders	Pastoral	280	0.9
Total farm area declared as blocks	ha		6732
Relative productivity assessment method			Relative yield
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					5973
Ewe weight			kg		55
Number of ewe hogget replacements					2467
Number of rams					1242
Lambing month					October
Weaning month					February
Number of lambs weaned					5375
Hoggets lambred					False
Weaning weight			kg		25
Trading stock:					
Type	Number	Month on	Weigth start (kg)	Month off	Weigth end (kg)
Lambs (wean nonbreeding)	1454	February	23	October	38
Lambs (wean nonbreeding)	1454	February	28	November	38

#### Beef

Dominate breed					Angus
Number of breeding cows					186
Live weight			kg		500
Number of R1 replacements					93
Number of R2 replacements					44
Number of bulls					6
R2 heifers calved					True
Weaning month					April
Trading stock:					
Type	Number	Month on	Weigth start (kg)	Month off	Weigth end (kg)

Weaners (nonbreeding)	93	April	240	End year (30/June)	260
Weaners (nonbreeding)	93	Start year (1/July)	360	February	440
R2 Heifers	31	Start year (1/July)	400	February	460

#### Animal production

No wool weight entered

% beef as male 16

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

#### Wetlands

##### Wetland 1

Effective wetland area	ha	120
Condition		Class 5
Catchment area	ha	1000
Catchment convergence		High convergence
Wetland type		Type A
Aquitard depth		0-1 m

##### Wetland 2

Effective wetland area	ha	80
Condition		Class 5
Catchment area	ha	400
Catchment convergence		High convergence
Wetland type		Type A
Aquitard depth		0-1 m

No supplements added

#### Block Information

Parameter name	Units	Value
Block name		Pivot
Area	ha	76
Block type		Pastoral
Topography		Flat
Distance from coast	km	110
Profile drainage class		Well
Poorly drained		False
Mole/tile drained		False

## Block Information

Parameter name	Units	Value
Receives no liquid or solid effluents		
Irrigation	mm	600
<b>Irrigation</b>		
Border dyke		False
Water source is borderdyke outwash		False
<b>Irrigation nutrient concentrations for block</b>		
Irrigation Source		Program default (fixed)
Irrigation Units		mg/l
	<b>N</b>	<b>P</b>
	2.5	0.1
	<b>K</b>	<b>S</b>
	1.6	2.5
	<b>Ca</b>	<b>Mg</b>
	9.3	2.2
		<b>Na</b>
		9.5
<b>Climate</b>		
Mean annual rainfall	mm	450
Mean annual temperature not known		
Seasonal variation in rainfall		Unknown
Annual potential evapotranspiration (PET)		Unknown
Seasonal variation in PET		Unknown
Hydrophobic condition		Unknown
<b>Animals and Pasture</b>		
Sheep	%	70
Merino		True
Beef	%	30
Finishing		True
Dairy or beef animals have direct access to streams		False
Development status (organic nutrients)		Developed
Pasture type		Ryegrass / white clover
<b>Soil information</b>		
Soil group		Sedimentary
Sand parent material		False
Soil texture		Unknown
Soil profile		Stony
Olsen P		20
QT K		19
QT Ca		10
QT Mg		33
QT Na		2
Organic S		2.3
QT SO4	mg/kg	2
TBK reserve K test		Not known
Anion storage capacity or PR		Not known
<b>Block Fertiliser</b>		
<b>Fertiliser Calculator</b>		
Fertiliser name	Category	Amount (kg/ha/yr)
Pasturemag	Ballance super	400
N-rich Urea	Ballance other	60

## 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	0.5	True	Paddocks	On all blocks

## Block Information

Parameter name	Units	Value
Block name		Border Dykes
Area	ha	90
Block type		Pastoral
Topography		Flat
Distance from coast	km	110
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						

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	450
Mean annual temperature not known		
Seasonal variation in rainfall		Unknown
Annual potential evapotranspiration (PET)		Unknown
Seasonal variation in PET		Unknown
Hydrophobic condition		Unknown

## Animals and Pasture

Sheep	%	80
Merino		True
Beef	%	20
Finishing		True
Dairy or beef animals have direct access to streams		False

## Block Information

Parameter name	Units	Value
Development status (organic nutrients)		Developed
Pasture type		Ryegrass / white clover

## Soil information

Soil group		Sedimentary
Sand parent material		False
Soil texture		Unknown
Soil profile		Stony
Olsen P		24
QT K		5
QT Ca		9
QT Mg		24
QT Na		4
Organic S		7.9
QT SO4	mg/kg	7
TBK reserve K test		Not known
Anion storage capacity or PR		Not known

## Block Fertiliser

### Fertiliser Calculator

Fertiliser name	Category	Amount (kg/ha/yr)
Pasturemag	Ballance super	400
N-rich Urea	Ballance other	60
N-rich 20K	Ballance other	150
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	0.7	True	Paddocks	On all blocks

## Block Information

Parameter name	Units	Value
Block name		Oversown H C
Area	ha	2400
Block type		Pastoral
Topography		Steep hill
Distance from coast	km	110
Profile drainage class		Unknown
Poorly drained		False
Mole/tile drained		False
Receives no liquid or solid effluents		

## Block Information

Parameter name	Units	Value
No irrigation applied		
<b>Climate</b>		
Mean annual rainfall	mm	450
Mean annual temperature not known		
Seasonal variation in rainfall		Unknown
Annual potential evapotranspiration (PET)		Unknown
Seasonal variation in PET		Unknown
Hydrophobic condition		Unknown
<b>Animals and Pasture</b>		
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
<b>Soil information</b>		
Soil group		Sedimentary
Sand parent material		False
Soil texture		Unknown
Soil profile		Deep
Olsen P		16
QT K		13
QT Ca		8
QT Mg		43
QT Na		2
Organic S		3.4
QT SO4	mg/kg	3
TBK reserve K test		Not known
Anion storage capacity or PR		Not known
<b>Block Fertiliser</b>		
<b>Fertiliser Calculator</b>		
Fertiliser name	Category	Amount (kg/ha/yr)
Sulphur gain 30S	Ballance super	125
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		Dryland Pdks
Area	ha	2786
Block type		Pastoral
Topography		Rolling
Distance from coast	km	110
Profile drainage class		Unknown
Poorly drained		False
Mole/tile drained		False
Receives no liquid or solid effluents		
No irrigation applied		
<b>Climate</b>		
Mean annual rainfall	mm	450
Mean annual temperature not known		
Seasonal variation in rainfall		Unknown
Annual potential evapotranspiration (PET)		Unknown
Seasonal variation in PET		Unknown
Hydrophobic condition		Unknown
<b>Animals and Pasture</b>		
Sheep	%	95
Merino		True
Beef	%	5
Finishing		False
Dairy or beef animals have direct access to streams		False
Development status (organic nutrients)		Developed
Pasture type		Ryegrass / white clover
<b>Soil information</b>		
Soil order		Brown
Soil group (default)		Sedimentary
Sand parent material		False
Soil texture		Silt loam
Soil profile		Deep
Olsen P		59
QT K		26
QT Ca		15
QT Mg		41
QT Na		3
Organic S		17
QT SO4	mg/kg	15
TBK reserve K test		Not known
Anion storage capacity or PR		Not known
<b>Block Fertiliser</b>		
<b>Fertiliser Calculator</b>		
Fertiliser name	Category	Amount (kg/ha/yr)
Sulphur gain 50S	Ballance super	100
No Nadded in May, June and July		

## Block Information

Parameter name	Units	Value
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		

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## Block Information

Parameter name	Units	Value
Block name		Native Blocks
Area	ha	1100
Block type		Pastoral
Topography		Steep hill
Distance from coast	km	110
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	450
Mean annual temperature not known		
Seasonal variation in rainfall		Unknown
Annual potential evapotranspiration (PET)		Unknown
Seasonal variation in PET		Unknown
Hydrophobic condition		Unknown

### Animals and Pasture

Sheep	%	90
Merino		False
Beef	%	10
Finishing		False
Dairy or beef animals have direct access to streams		False
Development status (organic nutrients)		Developing
Pasture type		Unimproved/Tussock grasslands

### Soil information

Soil group		Sedimentary
Sand parent material		False
Soil texture		Unknown
Soil profile		Deep
Olsen P		12
QT K		7
QT Ca		4
QT Mg		12
QT Na		3

## Block Information

Parameter name	Units	Value
Organic S		3.4
QT SO4	mg/kg	3
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
Block name		Glenburn Borders
Area	ha	280
Block type		Pastoral
Topography		Flat
Distance from coast	km	110
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	450
Mean annual temperature not known		
Seasonal variation in rainfall		Unknown
Annual potential evapotranspiration (PET)		Unknown
Seasonal variation in PET		Unknown
Hydrophobic condition		Unknown

## Animals and Pasture

Sheep	%	70
Merino		True
Beef	%	30
Finishing		True
Dairy or beef animals have direct access to streams		False

## Block Information

Parameter name	Units	Value
Development status (organic nutrients)		Developed
Pasture type		Ryegrass / white clover

### Soil information

Soil group		Sedimentary
Sand parent material		False
Soil texture		Unknown
Soil profile		Stony
Olsen P		20
QT K		8
QT Ca		8
QT Mg		28
QT Na		11
Organic S		7.9
QT SO4	mg/kg	7
TBK reserve K test		Not known
Anion storage capacity or PR		Not known

### Block Fertiliser

#### Fertiliser Calculator

Fertiliser name	Category	Amount (kg/ha/yr)
Pasturemag	Ballance super	400
N-rich Urea	Ballance other	60

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	0.5	True	Paddocks	On all blocks

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