

GRAHAM F I - TE AKATARAWA STATION
 STATION
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 PO BOX 98
 KUROW
 Client Reference: 284176
 File: Te Akatarawa (F Graham) OVP).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 Hill Country	Pastoral	9401	0.47
Improved Hill Country	Pastoral	2075	1.55
Dryland Lucerne	Pastoral	16	5
Irrigation	Pastoral	70	16.3
Total farm area declared as blocks	ha		11562
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	7850
Beef	RSU	960
Animal production		
Wool	kg	40960
% 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
 No supplements added

Block Information

Parameter name	Units	Value
Block name		Unimproved Hill Country
Area	ha	9401
Block type		Pastoral
Topography		Steep hill
Distance from coast	km	80
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	8
Seasonal variation in rainfall		Low
Annual potential evapotranspiration (PET)		651-800
Seasonal variation in PET		Moderate
Hydrophobic condition		Unknown
Latitude South	°	43.5

Animals and Pasture

Sheep	%	100
Merino		True
Development status (organic nutrients)		Developed
Pasture type		Unimproved/Tussock grasslands

Soil information

Soil group		Sedimentary
Sand parent material		False
Soil texture		Unknown

Soil profile

Olsen P		10
QT K		7
QT Ca		8
QT Mg		22
QT Na		2
Organic S		3
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
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Block Information

Parameter name	Units	Value
0	0	0
0	0	0
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		Improved Hill Country
Area	ha	2075
Block type		Pastoral
Topography		Easyhill
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	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	°	43.5
Animals and Pasture		
Sheep	%	75
Merino		False
Beef	%	25
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		17
QT K		8
QT Ca		6

Block Information

Parameter name	Units	Value
QT Mg		33
QT Na		5
Organic S		2
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	40
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		Dryland Lucerne
Area	ha	16
Block type		Pastoral
Topography		Flat
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	400
Mean annual temperature	°C	8

Block Information

Parameter name	Units	Value
Seasonal variation in rainfall		Low
Annual potential evapotranspiration (PET)		651-800
Seasonal variation in PET		Moderate
Hydrophobic condition		Unknown
Latitude South	°	43.5

Animals and Pasture

Sheep	%	100
Merino		True
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		18
QT K		9
QT Ca		10
QT Mg		29
QT Na		8
Organic S		4
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
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Block Information

Parameter name	Units	Value
Block name		Irrigation
Area	ha	70
Block type		Pastoral
Topography		Rolling
Distance from coast	km	75
Profile drainage class		Moderately well
Poorly drained		False
Mole/tile drained		False
Receives no liquid or solid effluents		
Irrigation	mm	1000

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	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	°	43.5

Animals and Pasture

Sheep	%	90
Merino		True
Beef	%	10
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

Block Information

Parameter name	Units	Value
Olsen P		25
QT K		11
QT Ca		9
QT Mg		28
QT Na		5
Organic S		5
TBK reserve K test		5.05
Anion storage capacity or PR		Not known

Block Fertiliser

Fertiliser Calculator

Fertiliser name	Category	Amount (kg/ha/yr)
DAP 13 S	Ravensdown other	150
Ammonium sulphate	Ravensdown other	100
Urea	Ravensdown other	80

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
