

W & E Murray
 Glenmore Station Ltd
 POBox
 Tekapo

Paul Johnston
 Ballance Agri Nutrients

File: old Glenmore Station V2 proposed corrected mr.ovp

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
Pivots	Pastoral	180	0.9
Dryland Paddocks	Pastoral	202	0.5
Oversown HC	Pastoral	2620	0.2
Unimproved HC	Pastoral	8178	0.1
Total farm area declared as blocks	ha		11180
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		7000
Ewe weight	kg	52
Number of ewe hogget replacements		1800
Number of rams		100
Lambing month		October
Weaning month		February
Number of lambs weaned		6000
Hoggets lambed		False
Weaning weight	kg	23

Trading stock:

Type	Number	Month on	Weight start (kg)	Month off	Weight end (kg)
Lambs (wean nonbreeding)	700	February	29	April	34
Lambs (wean nonbreeding)	1120	February	23	October	36
Lambs (wean nonbreeding)	1500	February	23	November	38
Lambs (wean nonbreeding)	880	February	23	December	38

Beef

Dominate breed		Angus
Number of breeding cows		268
Live weight	kg	500
Number of R1 replacements		60
Number of R2 replacements		60
Number of bulls		9
R2 heifers calved		True
Weaning month		April

Trading stock:

Type	Number	Month on	Weight start (kg)	Month off	Weight end (kg)
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Weaners (nonbreeding)	104	April	260	February	450
Weaners (nonbreeding)	104	April	200	March	400

Deer					
Dominate breed					Red
Number of hinds					280
Hind weight			kg		90
Weaning month					May
Number of stags					20
Number of R1 replacements					80
Number of R2 replacements					70

Trading stock:

Type	Number	Month on	Weight start (kg)	Month off	Weight end (kg)
Weaners (nonbreeding)	100	May	57	January	100
Weaners (nonbreeding)	100	May	53	February	100

Animal production

No wool weight entered	
% beef as male	21
No velvet weight entered	

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

Grazing off options for deer animals not used

Wintering off/animal shelter options for deer animals not used

Advanced pasture supplement feeding options for deer 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	True	Paddocks	Dryland Paddocks

Block Information

Parameter name	Units	Value
Block name		Pivots
Area	ha	180
Block type		Pastoral
Topography		Flat
Distance from coast	km	80
Profile drainage class		Well
Poorly drained		False

Block Information

Parameter name	Units	Value
Mole/tile drained		False
Receives no liquid or solid effluents		
Irrigation	mm	600
Irrigation		
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	600
Mean annual temperature	°C	7
Seasonal variation in rainfall		Unknown
Annual potential evapotranspiration (PET)		Unknown
Seasonal variation in PET		Unknown
Hydrophobic condition		Unknown
Animals and Pasture		
Sheep	%	95
Merino		False
Beef	%	5
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		Stony
Olsen P		19
QT K		4
QT Ca		9
QT Mg		9
QT Na		3
Organic S		4.5
QT SO4	mg/kg	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)
Muriate of potash	Ballance other	35

Block Information

Parameter name	Units	Value	
N-rich Urea	Ballance other	125	
Serpentine Gold	Ballance other	250	
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
Silage	1.5	True	Paddocks	All except this block

Block Information

Parameter name	Units	Value
Block name		Dryland Paddocks
Area	ha	202
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		
No irrigation applied		
Climate		
Mean annual rainfall	mm	600
Mean annual temperature	°C	7
Seasonal variation in rainfall		Unknown
Annual potential evapotranspiration (PET)		Unknown
Seasonal variation in PET		Unknown
Hydrophobic condition		Unknown

Animals and Pasture

Sheep	%	95
Merino		False
Beef	%	5
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

Block Information

Parameter name	Units	Value
Soil profile		Shallow
Olsen P		22
QT K		7
QT Ca		9
QT Mg		20
QT Na		4
Organic S		14.7
QT SO4	mg/kg	13
TBK reserve K test		Not known
Anion storage capacity or PR		Not known

Block Fertiliser

Fertiliser Calculator

Fertiliser name	Category	Amount (kg/ha/yr)
N-rich Urea	Ballance other	85
Muriate of potash	Ballance other	35
Serpentine Gold	Ballance other	180

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
Hay	1	True	Paddocks	All except this block

Block Information

Parameter name	Units	Value
Block name		Oversown HC
Area	ha	2620
Block type		Pastoral
Topography		Easyhill
Distance from coast	km	80
Profile drainage class		Well
Poorly drained		False
Mole/tile drained		False
Receives no liquid or solid effluents		
No irrigation applied		

Climate

Mean annual rainfall	mm	600
Mean annual temperature	°C	7
Seasonal variation in rainfall		Unknown
Annual potential evapotranspiration (PET)		Unknown

Block Information

Parameter name	Units	Value
Seasonal variation in PET		Unknown
Hydrophobic condition		Unknown
Animals and Pasture		
Sheep	%	90
Merino		False
Beef	%	5
Finishing		False
Deer	%	5
Finishing		False
Dairy or beef animals have direct access to streams		False
Deer pace fence line		False
Deer wallows visible		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		22
QT K		9
QT Ca		5
QT Mg		19
QT Na		1
Organic S		13.6
QT SO4	mg/kg	12
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 gain 30S	Ballance super	75
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 HC
Area	ha	8178
Block type		Pastoral
Topography		Steep hill
Distance from coast	km	80
Profile drainage class		Well
Poorly drained		False
Mole/tile drained		False
Receives no liquid or solid effluents		
No irrigation applied		
Climate		
Mean annual rainfall	mm	600
Mean annual temperature	°C	7
Seasonal variation in rainfall		Unknown
Annual potential evapotranspiration (PET)		Unknown
Seasonal variation in PET		Unknown
Hydrophobic condition		Unknown
Animals and Pasture		
Sheep	%	100
Merino		False
Development status (organic nutrients)		Developed
Pasture type		Unimproved/Tussock grasslands
Soil information		
Soil group		Sedimentary
Sand parent material		False
Soil texture		Unknown
Soil profile		Shallow
Olsen P		12
QT K		6
QT Ca		3
QT Mg		11.5
QT Na		2
Organic S		4.5
QT SO4	mg/kg	4
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		
