Twin Peaks Russell Hamilton
File: Twin Peaks 2.ovp

Parameter report

Parameter name	Units	Value
Region		Otago
No Fuel, electricity and other farm inputs		
No Farm capital (structure) inputs		

Block setup summary

Block name	Block type	Effective area (ha)	Relative productivity
Irrigation	Pastoral	120	1
Flat rolling	Pastoral	160	0.5
Easy to steep	Pastoral	1200	0.3
Steep Hill	Pastoral	1940	0.2
New Irrigation	Pastoral	70	1
Ryecorn	Fodder Crop	70	0

Total farm area declared as blocks	ha	3560
Relative productivity assessment method		Relative yield
Make all block stock ratios same as farm stock ratios		True

Stock Information: Sheep, beef and deer

Stock unit calculator

Sheep

Dominate breed		Merino
Number of ewes		4000
Ewe weight	kg	50
Number of ewe hogget replacements		800
Number of rams		50
Lambing month		October
Weaning month		February
Number of lambs weaned		3600
Hoggets lambed		True
Weaning weight	kg	25

Trading stock:

Type	Number	Month on	Weigth start (kg)	Month off	Weigth end (kg)
Lambs (wean nonbreeding)	2800	February	25	October	38

Beef

Dominate breed		Hereford
Number of breeding cows		60
Live weight	kg	500
Number of R1 replacements		12
Number of R2 replacements		13
Number of bulls		3
R2 heifers calved		True
Weaning month		April

Trading stock:

Type	Number	Month on	Weigth start (kg)	Month off	Weigth end (kg)
Weaners (nonbreeding)	48	April	300	April	300

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		Irrigation
Area	ha	120
Block type		Pastoral
Topography		Flat
Distance from coast	km	120
Profile drainage class		Well
Poorly drained		False
Mole/tile drained		False
Receives no liquid or solid effluents		
Irrigation	mm	800

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	500
Mean annual temperature	°C	9
Seasonal variation in rainfall		Unknown
Annual potential evapotranspiration (PET)		Unknown
Seasonal variation in PET		Unknown
Hydrophobic condition		Unknown

Animals and Pasture

Ratio and type of stock based on whole farm values
because this option was checked in block set up

Merino	False

Block Information

Parameter name	Units	Value
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 order		Brown
Soil group (default)		Sedimentary
Sand parent material		False
Soil texture		Sandy loam
Soil profile		Shallow
Olsen P		22
QT K		9
QT Ca		5
QT Mg		16
QT Na		3
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)
Sulphur gain 20S	Ballance super	200
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	Amount on dry weight basis	Destination	Block fed on
Silage	800	False	Paddocks	Flat rolling

Block Information

Parameter name	Units	Value
Block name		Flat rolling
Area	ha	160
Block type		Pastoral
Topography		Flat
Distance from coast	km	120
Profile drainage class		Well
Poorly drained		False
Mole/tile drained		False

Block Information

Parameter name	Units	Value
Receives no liquid or solid effluents		
No irrigation applied		
Climate		
Mean annual rainfall	mm	500
Mean annual temperature	°C	9
Seasonal variation in rainfall		Unknown
Annual potential evapotranspiration (PET)		Unknown
Seasonal variation in PET		Unknown
Hydrophobic condition		Unknown
Animals and Pasture		
Ratio and type of stock based on whole farm values because this option was checked in block set up		
Merino		True
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 order		Brown
Soil group (default)		Sedimentary
Sand parent material		False
Soil texture		Sandy loam
Soil profile		Shallow
Olsen P		16
QT K		19
QT Ca		7
QT Mg		40
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 P applied within 3 weeks of border dyke irrigation		False
No supplements removed from the block		

Block Information

Parameter name	Units	Value
Block name		Easy to steep
Area	ha	1200
Block type		Pastoral

Block Information

Parameter name	Units	Value
Topography		Easyhill
Distance from coast	km	120
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	500
Mean annual temperature	°C	9
Seasonal variation in rainfall		Unknown
Annual potential evapotranspiration (PET)		Unknown
Seasonal variation in PET		Unknown
Hydrophobic condition		Unknown
Animals and Pasture		
Ratio and type of stock based on whole farm values because this option was checked in block set up		
Merino		True
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 order		Brown
Soil group (default)		Sedimentary
Sand parent material		False
Soil texture		Sandy loam
Soil profile		Shallow
Olsen P		12
QT K		13
QT Ca		5
QT Mg		20
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		

Block Information

Parameter name	Units	Value
Block name		Steep Hill
Area	ha	1940
Block type		Pastoral
Topography		Steep hill
Distance from coast	km	120
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	590
Mean annual temperature	°C	9
Seasonal variation in rainfall		Unknown
Annual potential evapotranspiration (PET)		Unknown
Seasonal variation in PET		Unknown
Hydrophobic condition		Unknown
Animals and Pasture		
Ratio and type of stock based on whole farm values because this option was checked in block set up		
Merino		True
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		12
QT K		9
QT Ca		5
QT Mg		16
QT Na		3
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		New Irrigation
Area	ha	70
Block type		Pastoral
Topography		Flat
Distance from coast	km	120
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	500
Mean annual temperature	°C	9
Seasonal variation in rainfall		Unknown
Annual potential evapotranspiration (PET)		Unknown
Seasonal variation in PET		Unknown
Hydrophobic condition		Unknown

Animals and Pasture

Ratio and type of stock based on whole farm values because this option was checked in block set up		
Merino		True
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		Sandy loam
Soil profile		Shallow
Olsen P		22
QT K		9
QT Ca		5
QT Mg		16
QT Na		3
Organic S		7.9
QT SO4	mg/kg	7
TBK reserve K test		Not known

Block Information

Parameter name	Units	Value
Anion storage capacity or PR		Not known

Block Fertiliser

Fertiliser Calculator

Fertiliser name	Category	Amount (kg/ha/yr)
Sulphur gain 20S	Ballance super	200
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	Amount on dry weight basis	Destination	Block fed on
Silage	460	False	Paddocks	Flat rolling

Block Information

Parameter name	Units	Value
Block name		Ryecorn
Area	ha	70
Fodder crop		Triticale
Typical crop yield used	T/ha dry weight	12
Fate of crop		Grazed in situ
Stock types grazing pasture prior to cultivation		Non-dairy
Crop eaten by Dairy		False
Crop eaten by Sheep		True
Crop eaten by Beef		False
Crop eaten by Deer		False
Month first cultivated		March
Cultivation method		Direct drill
Cultivated pasture browntop/unimproved		False
Month first removed		June
Month last removed		September
Month resown in pasture		December

Fertiliser

April

Fertiliser calculator

Fertiliser Name	Category	Amount (kg/ha/month)
Cropzeal 20N	Ballance cropping	120
N-rich Urea	Ballance other	100
