

File: Ohau Downs herd home with sheep updated HD.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
irrigated isolation	Pastoral	1000	1
Wairepo irrigated	Pastoral	1000	1
QE2	Pastoral	1200	0.1
dryland pasture	Pastoral	1800	0.3
Total farm area declared as blocks	ha		5000
Total farm area	ha		5100
Non-productive area	ha		100
Relative productivity assessment method			Relative yield
Make all block stock ratios same as farm stock ratios			False

Stock Information: Dairy animals

Dairy cows	/yr	7000
Replacements grazed off farm from		Weaning
Breed		F x J cross

Advanced dairy production

Milk solid yield	kg/yr	2800000
Lactation length	days	Unknown
Average weight	kg/animal	Unknown
% replacements in milking herd		Unknown

Herd 1

Median calving date	1 January
Percent of herd	33

Herd 2

Median calving date	1 April
Percent of herd	33

Herd 3

Median calving date	1 August
Percent of herd	34

Effluent disposal system	Holding pond
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Ponding system

Pond treatment methods	Spray at optimum times
Pond sludge disposal method	Spread selected blocks
Once a day milking	Never

Feed pad

Month	Percentage of milking cows	Hours per day on feed pad
January	0	.
February	0	.
March	100	12

April	0	.
May	0	.
June	0	.
July	0	.
August	0	.
September	0	.
October	100	12
November	0	.
December	0	.
Manure removal method		Scraping (no water)

Wintering pad / animalshelter for Dairy animals

Feeding regime		Wintering pad only
% cows on wintering pad		100
Month on to wintering pad, beginning of		April
Month off wintering pad end of		September
Pad construction		
Covered pad or animal shelter		
Material that covers the pad surface, or is used to line the b		No lining material
Concrete surface cleaning method		Scraping (no water)
Solids separated		False
Liquid effluent management		
Added to farm dairy effluent		True

Dairy winter grazing off option not used
 Dairy Winter stand off or loafing pads option not used
 Advanced pasture and supplements options for Dairy not used

Animal health supplementation used by Dairy animals

No animal supplementation has been entered

Stock Information: Sheep, beef and deer

Sheep	RSU	5000
Animal production		
Wool	kg	22000

Grazing off options for sheep not used
 Advanced pasture supplement feeding options for sheep 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	1
Condition		Class 1
Catchment area	ha	250
Catchment convergence		Moderate convergence
Wetland type		Type A
Aquitard depth		Unknown

Supplements Added

Category	Type	Amount (T)	Amount on a dry weight basis	Destination	Animal type or block
Silages	Pasture good quality	30500	True	Wintering pad	dairy

Block Information

Parameter name	Units	Value
Block name		irrigated isolation
Area	ha	1000
Block type		Pastoral
Topography		Flat
Distance from coast	km	90
Profile drainage class		Well
Poorly drained		False
Mole/tile drained		False
Spray effluent		True
Effluent application depth		Low application rate methods
Receives pond sludge effluent		
Receives effluent from a wintering pad/animal shelter treatment		
Receives pond sludge from a wintering pad/animalshelter treatme		
Irrigation	mm	600
Irrigation		
Border dyke		False
Water source is borderdyke outwash		False
Irrigation nutrient concentrations for block		
Irrigation Source		Block specific
Irrigation Units		mg/l
	N	P
	K	S
	Ca	Mg
	Na	
	0.5	0.1
	0.8	2.5
	9.3	2.2
		9.5
Climate		
Mean annual rainfall	mm	700
Mean annual temperature	°C	9.1
Seasonal variation in rainfall		Moderate
Annual potential evapotranspiration (PET)		Unknown
Seasonal variation in PET		Unknown
Hydrophobic condition		Unknown
Animals and Pasture		
Dairy milking herd	%	100
Dairy or beef animals have direct access to streams		False
Development status (organic nutrients)		Highly developed
Pasture type		Ryegrass / white clover
Soil information		
Soil type		MACKENZIE
Soil order (default)		Recent
Soil group (default)		Sedimentary
Sand parent material		False
Soil texture		Sandy loam

Block Information

Parameter name	Units	Value
Soil profile		Stony
Olsen P		30
QT K		7
QT Ca		5
QT Mg		9
QT Na		8
Organic S		7.1
TBK reserve K test		Not known
Anion storage capacity or PR		Not known

Block Fertiliser

Fertiliser nutrient forms

Urea	DAP	Other NH4	NO3 Form			
100	0	0	0			
Super	DAP / DCP	RPR	Other			
30	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
Silage	5	True	Wintering pad
Silage	1.5	True	Feed pad

Block Information

Parameter name	Units	Value
Block name		Wairepo irrigated
Area	ha	1000
Block type		Pastoral
Topography		Flat
Distance from coast	km	90
Profile drainage class		Well
Poorly drained		False
Mole/tile drained		False
Spray effluent		True
Effluent application depth		Low application rate methods
Receives pond sludge effluent		
Receives effluent from a wintering pad/animal shelter treatment		

Block Information

Parameter name	Units	Value
Receives pond sludge from a wintering pad/animalshelter treatme		
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
Riparian strips		
Catchment area supplying grass filterstrip	ha	400
Length of riparian strip	m	3000
Width of grass filterstrip (downlength slope)	m	5
Percentage of surface flow that drains through grass filterstrip	%	100
Percentage of runoff that is intercepted by grass filterstrip	%	100
Percentage of length of grass filterstrip that ponds water	%	100
Age of grass filterstrip	years	5
Entry condition		Bottom of hill, flat entry
Climate		
Mean annual rainfall	mm	700
Mean annual temperature	°C	9.1
Seasonal variation in rainfall		Moderate
Annual potential evapotranspiration (PET)		Unknown
Seasonal variation in PET		Unknown
Hydrophobic condition		Unknown
Animals and Pasture		
Dairy milking herd	%	100
Dairy or beef animals have direct access to streams		False
Development status (organic nutrients)		Highly developed
Pasture type		Ryegrass / white clover
Soil information		
Soil type		PUKAKI
Soil order (default)		Brown
Soil group (default)		Sedimentary
Sand parent material		False
Soil texture		Silt loam
Soil profile		Shallow
Olsen P		30
QT K		7
QT Ca		5
QT Mg		9
QT Na		8
Organic S		7.1
TBK reserve K test		Not known

Block Information

Parameter name	Units	Value
Anion storage capacity or PR		Not known

Block Fertiliser

Fertiliser nutrient forms

Urea	DAP	Other NH4	NO3 Form			
100	0	0	0			
Super	DAP / DCP	RPR	Other			
30	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
Silage	5	True	Wintering pad
Silage	1.5	True	Feed pad

Block Information

Parameter name	Units	Value
Block name		QE2
Area	ha	1200
Block type		Pastoral
Topography		Rolling
Distance from coast	km	90
Profile drainage class		Well
Poorly drained		False
Mole/tile drained		False
Spray effluent		False

Receives pond sludge effluent

No irrigation applied

Climate

Mean annual rainfall	mm	700
Mean annual temperature	°C	9.1
Seasonal variation in rainfall		Moderate
Annual potential evapotranspiration (PET)		Unknown
Seasonal variation in PET		Unknown
Hydrophobic condition		Unknown

Block Information

Parameter name	Units	Value
Animals and Pasture		
Sheep	%	100
Merino		False
Development status (organic nutrients)		Developed
Pasture type		Unimproved/Tussock grasslands
Pasture quality		
Pasture digestibility and ME not entered		
Clover levels		Low
Pasture utilisation (%)		60
Soil information		
Soil type		FORK
Soil order (default)		Brown
Soil group (default)		Sedimentary
Sand parent material		False
Soil texture		Sandy loam
Soil profile		Shallow
Olsen P		10
QT K		7
QT Ca		5
QT Mg		9
QT Na		7
Organic S		7.1
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		dryland pasture
Area	ha	1800
Block type		Pastoral
Topography		Flat
Distance from coast	km	90
Profile drainage class		Well
Poorly drained		False
Mole/tile drained		False
Spray effluent		False
Receives pond sludge from a wintering pad/animalshelter treatme		
No irrigation applied		

Block Information

Parameter name	Units	Value
Climate		
Mean annual rainfall	mm	700
Mean annual temperature	°C	9.1
Seasonal variation in rainfall		Moderate
Annual potential evapotranspiration (PET)		Unknown
Seasonal variation in PET		Unknown
Hydrophobic condition		Unknown
Animals and Pasture		
Dairy milking herd	%	10
Sheep	%	90
Merino		False
Dairy or beef animals have direct access to streams		False
Development status (organic nutrients)		Developed
Pasture type		Unimproved/Tussock grasslands
Pasture quality		
Pasture digestibility and ME not entered		
Clover levels		Medium
Pasture utilisation (%)		60
Soil information		
Soil type		OHAU
Soil order (default)		Brown
Soil group (default)		Sedimentary
Sand parent material		False
Soil texture		Silt loam
Soil profile		Shallow
Olsen P		30
QT K		7
QT Ca		5
QT Mg		9
QT Na		8
Organic S		7.1
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			
18	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

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		
