

Fertiliser Plan

Toggenburg Trust Season 2024/25



Prepared for

Customer **EA Gamperle (3034639)**
Property **Toggenburg Trust No 2 Dairy - 77340 (4026447)**

Prepared by

Dorothee Frey
+6421313105

Start Date **01 Jun 2024**
End Date **31 May 2025**

Customer Services

0800 222 090
www.ballance.co.nz

Plan summary: block view

Block	Recommendation	Delivery date	Area (ha)	Kg/ha	Tonnage	N	P	K	S	Mg	Ca	Na	Est. cost	Rec. number	Reference
Effluent	Spring Effluent Round 1	01/09/2024	20.2	50.0	1.01	16			9		1		\$796.50	8199674654	
Effluent	Spring Effluent Round 2	01/10/2024	20.2	50.0	1.01	16			9		1		\$796.50	8199674674	
Effluent	Autumn Effluent and high K	15/04/2025	20.2	120.0	2.42	30			34		7		\$2,059.78	8199674655	
Effluent Total						62			52		9		\$3,652.77		
Non-Effluent	Spring Non-Effluent Round 1	01/09/2024	49.8	335.0	16.69	16	20	25	24	5	55		\$10,643.23	8199674653	
Non-Effluent	Spring Non-Effluent Round 2	01/10/2024	49.8	335.0	16.69	16	20	25	24	5	55		\$10,183.78	8199674673	
Non-Effluent	Autumn Non-Effluent low K	15/04/2025	49.8	180.0	8.97	30		30	34		7		\$7,620.43	8199674656	
Non-Effluent Total						62	40	80	82	10	117		\$28,447.44		
Whole farm	Optional: Dec Nitrogen Round	01/12/2024	70.0	65.0	4.55	30							\$4,072.25	8199674675	
Whole farm	Optional: March Nitrogen Round	01/03/2025	70.0	65.0	4.55	30							\$4,072.25	8199674657	
Whole farm Total						60							\$8,144.50		
Plan Total				55.88									\$40,244.71		

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Block: Non-Effluent 49.8 ha

Recommendation: Spring Non-Effluent Round 1

Product	Tonnage	Kg/ha	Kg nutrient/ha							Estimated costs (\$/t)				Total	Delivery date	Rec. number
			N	P	K	S	Mg	Ca	Na	Product	Cartage	Spreading	\$/ha			
Special Mix	16.7	335	16	20	25	24	5	55		\$589	\$0	\$0	\$214	\$10,643	1/9/2024	8199674653
NutriMax Cobalt 10%	0.0	0.3														
SurePhos (NI)	12.5	250		20		24	5	55								
Muriate Of Potash	2.5	50			25											
Sustain	1.7	35	16													
Store: Te Poi Service Centre			Carrier: Wealleans Groundspread Ltd							Spreader: Wealleans Groundspread Ltd						

Block: Effluent 20.2 ha

Recommendation: Spring Effluent Round 1

Product	Tonnage	Kg/ha	Kg nutrient/ha							Estimated costs (\$/t)				Total	Delivery date	Rec. number
			N	P	K	S	Mg	Ca	Na	Product	Cartage	Spreading	\$/ha			
PhaSedN Quick Start	1.0	50	16			9		1		\$762	\$0	\$0	\$39	\$796	1/9/2024	8199674654
Store: Te Poi Service Centre			Carrier: Wealleans Groundspread Ltd							Spreader: Wealleans Groundspread Ltd						

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Start Date 01 Jun 2024

End Date 31 May 2025

Block: Non-Effluent 49.8 ha

Recommendation: Spring Non-Effluent Round 2

Product	Tonnage	Kg/ha	Kg nutrient/ha							Product	Estimated costs (\$/t)			Total	Delivery date	Rec. number
			N	P	K	S	Mg	Ca	Na		Cartage	Spreading	\$/ha			
Special Mix	16.7	335	16	20	25	24	5	55		\$567	\$0	\$0	\$204	\$10,184	1/10/2024	8199674673
SurePhos (NI)	12.5	250		20		24	5	55								
Muriate Of Potash	2.5	50			25											
Sustain	1.7	35	16													
Store: Te Poi Service Centre			Carrier: Wealleans Groundspread Ltd							Spreader: Wealleans Groundspread Ltd						

Block: Effluent 20.2 ha

Recommendation: Spring Effluent Round 2

Product	Tonnage	Kg/ha	Kg nutrient/ha							Product	Estimated costs (\$/t)			Total	Delivery date	Rec. number
			N	P	K	S	Mg	Ca	Na		Cartage	Spreading	\$/ha			
PhaSedN Quick Start	1.0	50	16			9		1		\$762	\$0	\$0	\$39	\$796	1/10/2024	8199674674
Store: Te Poi Service Centre			Carrier: Wealleans Groundspread Ltd							Spreader: Wealleans Groundspread Ltd						

Block: Whole farm 70.0 ha

Recommendation: Optional: Dec Nitrogen Round

Product	Tonnage	Kg/ha	Kg nutrient/ha							Estimated costs (\$/t)				Total	Delivery date	Rec. number	
			N	P	K	S	Mg	Ca	Na	Product	Cartage	Spreading	\$/ha				
Sustain	4.6	65	30								\$868	\$0	\$0	\$58	\$4,072	1/12/2024	8199674675
Store: Te Poi Service Centre						Carrier: Wealleans Groundspread Ltd						Spreader: Wealleans Groundspread Ltd					
Notes: To boost pasture covers heading into summer.																	

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Start Date **01 Jun 2024**

End Date **31 May 2025**

Block: Whole farm 70.0 ha

Recommendation: Optional: March Nitrogen Round

Product	Tonnage	Kg/ha	Kg nutrient/ha								Estimated costs (\$/t)				Total	Delivery date	Rec. number
			N	P	K	S	Mg	Ca	Na	Product	Cartage	Spreading	\$/ha				
Sustain	4.6	65	30							\$868	\$0	\$0	\$58	\$4,072	1/3/2025	8199674657	
Store: Te Poi Service Centre					Carrier: Wealleans Groundspread Ltd					Spreader: Wealleans Groundspread Ltd							
Notes: To boost pasture covers coming out of summer.																	

Block: Effluent 20.2 ha

Recommendation: Autumn Effluent and high K

Product	Tonnage	Kg/ha	N	P	Kg nutrient/ha					Product	Estimated costs (\$/t)			Total	Delivery date	Rec. number
					K	S	Mg	Ca	Na		Cartage	Spreading	\$/ha			
Special Mix	2.4	120	30			34		7		\$812	\$0	\$0	\$102	\$2,060	15/4/2025	8199674655
NutriMax Selenium 1%	0.0	1.0														
PhaSedN	2.4	119	30			34		7								
Store: Te Poi Service Centre					Carrier: Wealleans Groundspread Ltd					Spreader: Wealleans Groundspread Ltd						

Block: Non-Effluent 49.8 ha

Recommendation: Autumn Non-Effluent low K

Product	Tonnage	Kg/ha	N	P	Kg nutrient/ha					Product	Estimated costs (\$/t)			Total	Delivery date	Rec. number
					K	S	Mg	Ca	Na		Cartage	Spreading	\$/ha			
Special Mix	9.0	180	30		30	34		7		\$806	\$0	\$0	\$153	\$7,620	15/4/2025	8199674656
Muriate Of Potash	3.0	60			30											
PhaSedN	5.9	119	30			34		7								
NutriMax Selenium 1%	0.0	1.0														
Store: Te Poi Service Centre					Carrier: Wealleans Groundspread Ltd					Spreader: Wealleans Groundspread Ltd						

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Disclaimer

This is a fertiliser recommendation, not a quote. The prices shown are indicative only, and are exclusive of GST. A Special Mix Service Fee will be applied to your special mix order or individual despatches against your order under the 1 tonne bulk or 5 tonnes bagged thresholds. On acceptance of a recommendation a sales order confirmation will be issued; this will show pricing on the day of issue. Fertiliser prices are subject to change; customers will be invoiced based on prices ruling on day of delivery.

Our technical advice is given in good faith but without warranty. The application and use of products is beyond our control and we therefore do not warrant pasture, plant or crop performance to any specific level. In making recommendations we rely on information provided to us by the customer and/or third parties such as commercial analytical services. As an animal health precaution, do not allow livestock to graze pasture until fertiliser has disappeared from foliage. Mixes containing nitrogen can become unstable and should be applied either separately or immediately upon delivery. Please refer to the Fertiliser Codes of Practice with respect to both third party and environmental risk effects.

Stock fluoride poisoning (fluorosis) can occur following application of phosphate (P) fertilisers. To minimise the risk of fluorosis, Ballance recommends that:

- Following application of P-fertiliser, pastures should not be grazed until at least 25 mm of rainfall has occurred, or sufficient time has elapsed so that no fertiliser residues are evident on the leaves of the pasture.
- P-fertiliser application should be staggered so that there is feed available to stock at all times that is not contaminated with fertiliser residues.

Should you choose to disregard the above principles, the fertiliser application practice you undertake is done so at your own risk. Managing P-fertiliser applications based on the following principles will reduce the risk of fluorosis, however, Ballance does not recommend application outside of the conditions outlined above.

- Application of P-fertilisers containing lower levels of fluoride will reduce the risk of fluorosis. For example, RPR and Superphosphate have higher fluoride levels than DAP and Triple super.
- Well-granulated fertiliser products are less likely to adhere to plant leaves.
- Avoid applying P-fertilisers when the pasture is damp (e.g. on a morning dew)
- Low application rates (<200 kg/ha) will reduce the risk of fluorosis.
- Defer P-fertiliser applications away from early spring when stock have high feed demand and are under stress, and where pasture covers are low.