

Backtrack Dairies

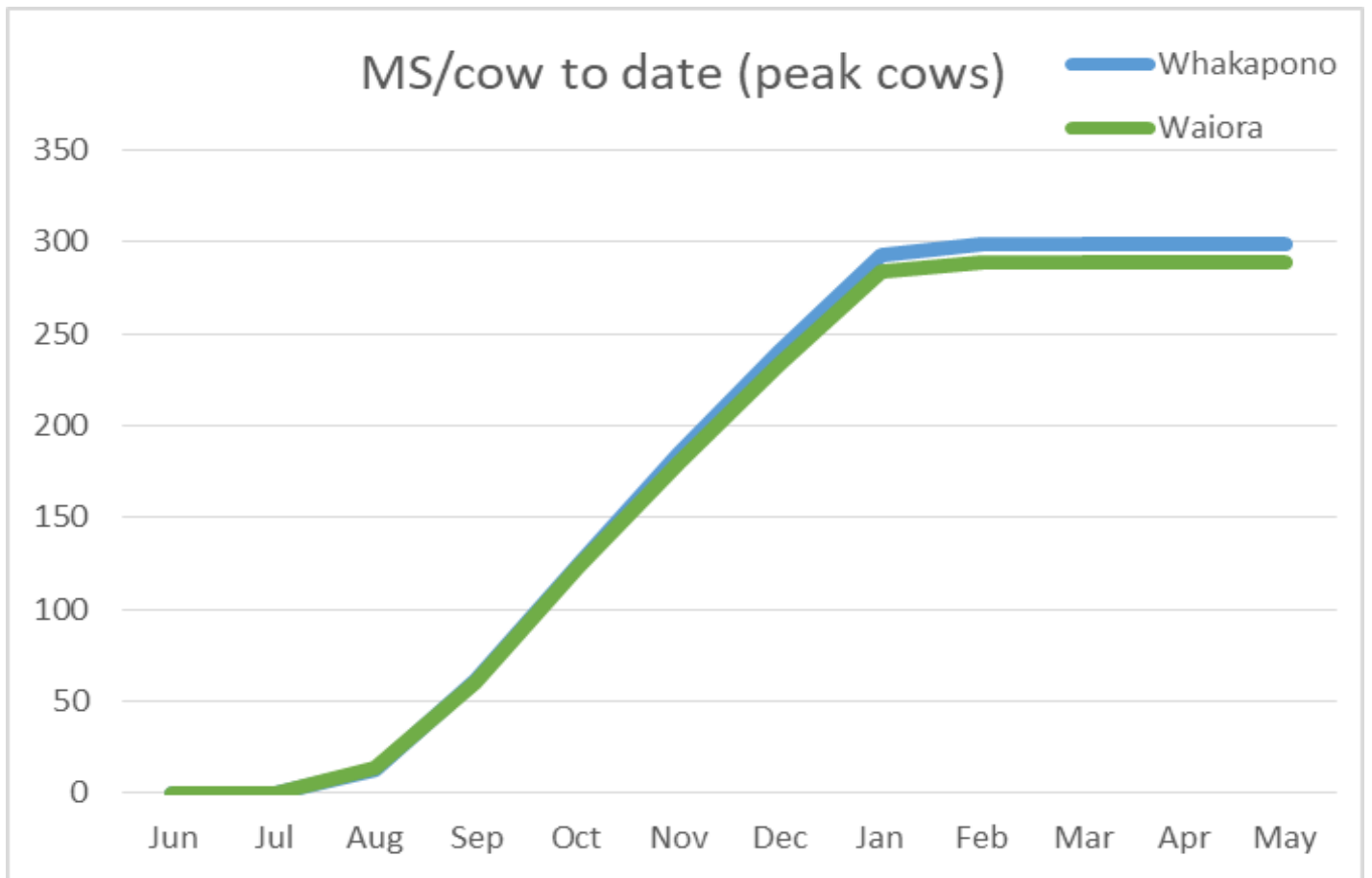
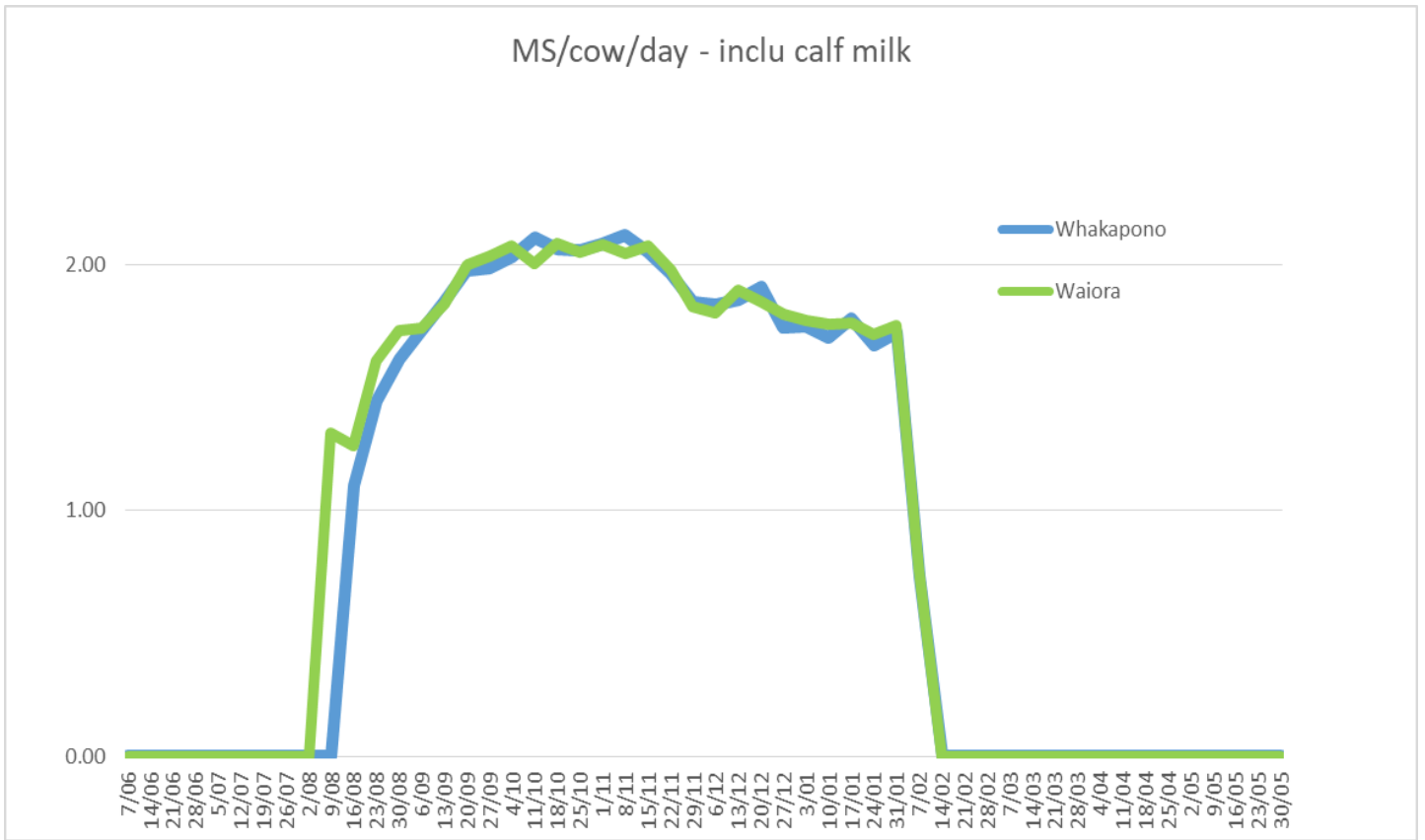
Week ending 31st January 2018

Backtrack Dairies

Two farming systems. One Kinsey-Albrecht (Whakapono) and one conventional (Waiora). Both farms have a stocking rate of 3.3 cows/ha at peak.

Week Ending	24/01/17		31/01/18	
Backtrack Dairies	Whakapono	Waiora	Whakapono	Waiora
Farm grazing ha	155	210	155	210
Peak Cows	523	697	523	697
Stocking Rate (cows in milk/ha)	3.3	3.1	3.3	3.2
Cows in Milk	516	656	516	675
% of cows in Sick Herd	0.2	0.6	0.5	0.5
Cows in Vat	515	652	513	672
Ave. Pasture Cover	2353	2521	2440	2550
Ave. Pasture Growth	35	40	57	54
Area Grazed	7.47	7.77	7.87	10.13
Grazing Interval	21	27	20	21
Pasture Intake (est kgDM/cow)	21	19	22	21
Grass Silage Fed (kgDM/cow)	0.0	0.0	0.0	0.0
Grain/PKE Fed (kgDM/cow)	1.0	1.0	1.0	1.0
Total Fed KgDM/cow	22	20	23	22
Milk Solids (Kg/cow/day)(inclu calf milk)	1.67	1.71	1.72	1.70
MS/ha/day	5.55	5.33	5.71	5.44
Nitrogen applied (kg N/ha)	0	0	11	11
Rainfall (mm for week)	0	0	2	2
Irrigation applied (mm for week)	27	30	29	32
Soil Temperature at 9am	20	21	21	22
Soil Moisture (between 65-76%)	88	81	93	85
Cell count (000's)	92	146	148	150
Mastitis Cases (%)	0.0	0.0	0.8	0.0
Lameness Cases (%)	0.0	0.0	0.0	0.3
Body Condition Score	4.4	4.4	4.4	4.4
Totals To Date				
Milk Solids to factory	139395	180581	145612	188617
Milk Solids inclu calf milk	147261	190094	153478	198130
MS/ha	896	856	936	894
MS/cow (peak cows)(inclu calf milk)	282	273	293	284
Nitrogen applied (kg N/ha)	95	108	95	108
Supplements Fed (kg/cow)	365	367	372	376
Deaths %	2.7	2.7	2.9	2.9
Culls %	1.7	2.2	1.7	2.2
Mastitis %	11.3	9.3	12	9
Lameness %	5	6	5	6

Production Graph



Mating

Timeframe of Mating	Dates
Planned Start of Mating	29 th October
Metri-checking & PG 1	22 nd November
PG 2	1 st December
Change to short gestation hereford	7 th December
AI Finished	16 th December
Bulls entered herd	16 th December
Bulls removed from herd	8 th January
Pregnancy Scanning 1	30 th January
Pregnancy Scanning 2	1 st March

The plan is to use kiwi cross for most cows and friesland straws over obvious jersey cows. The above dates are when everything is planned to happen. These dates will get updated as we get to them.

Animal Health

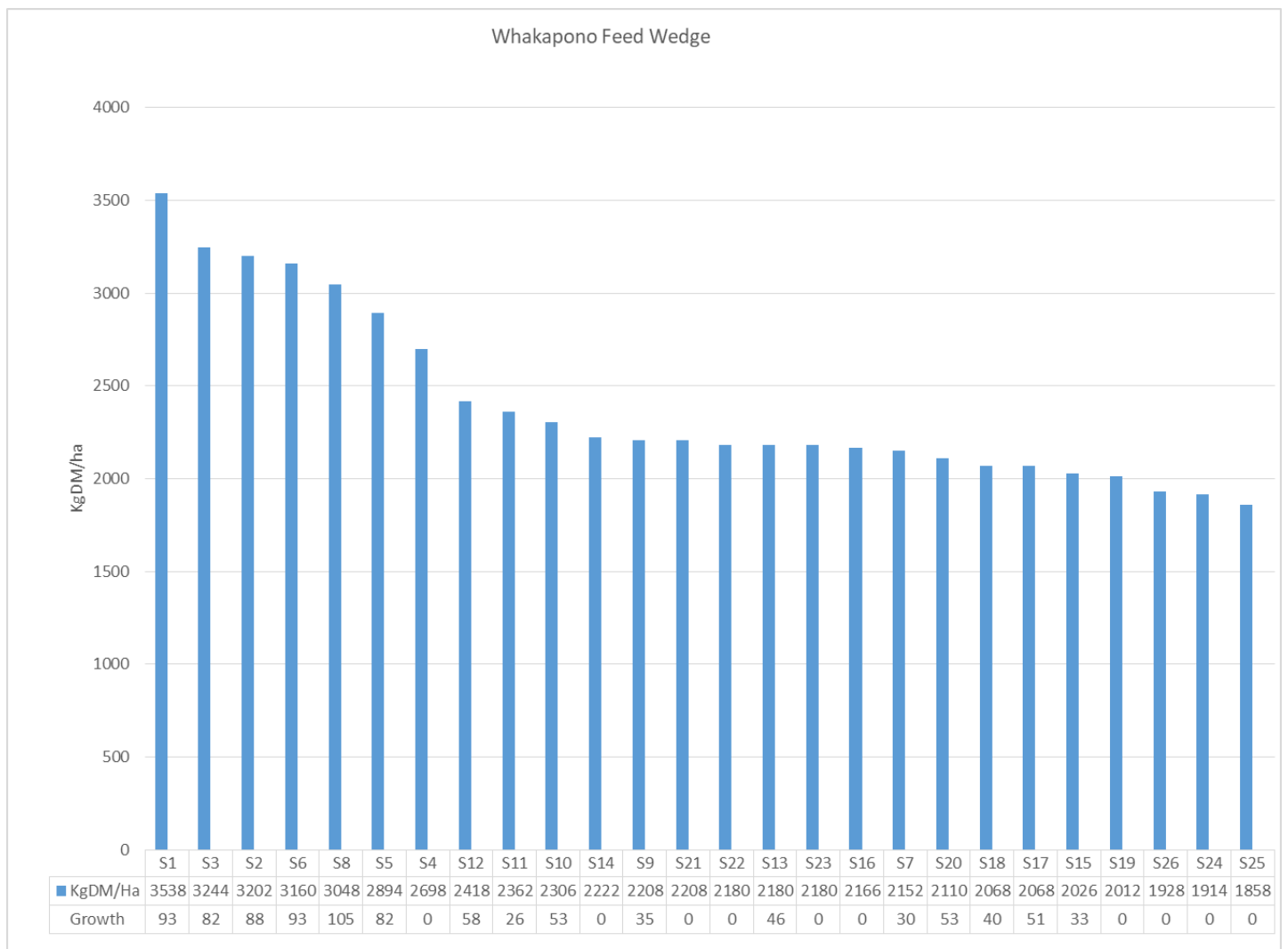
	Whakapono	Waiora
No of Mastitis Cows	4	0
No of Lameness Cows	0	2
% of Mastitis to date	12	9
% of Lameness to date	5	6

Pastures

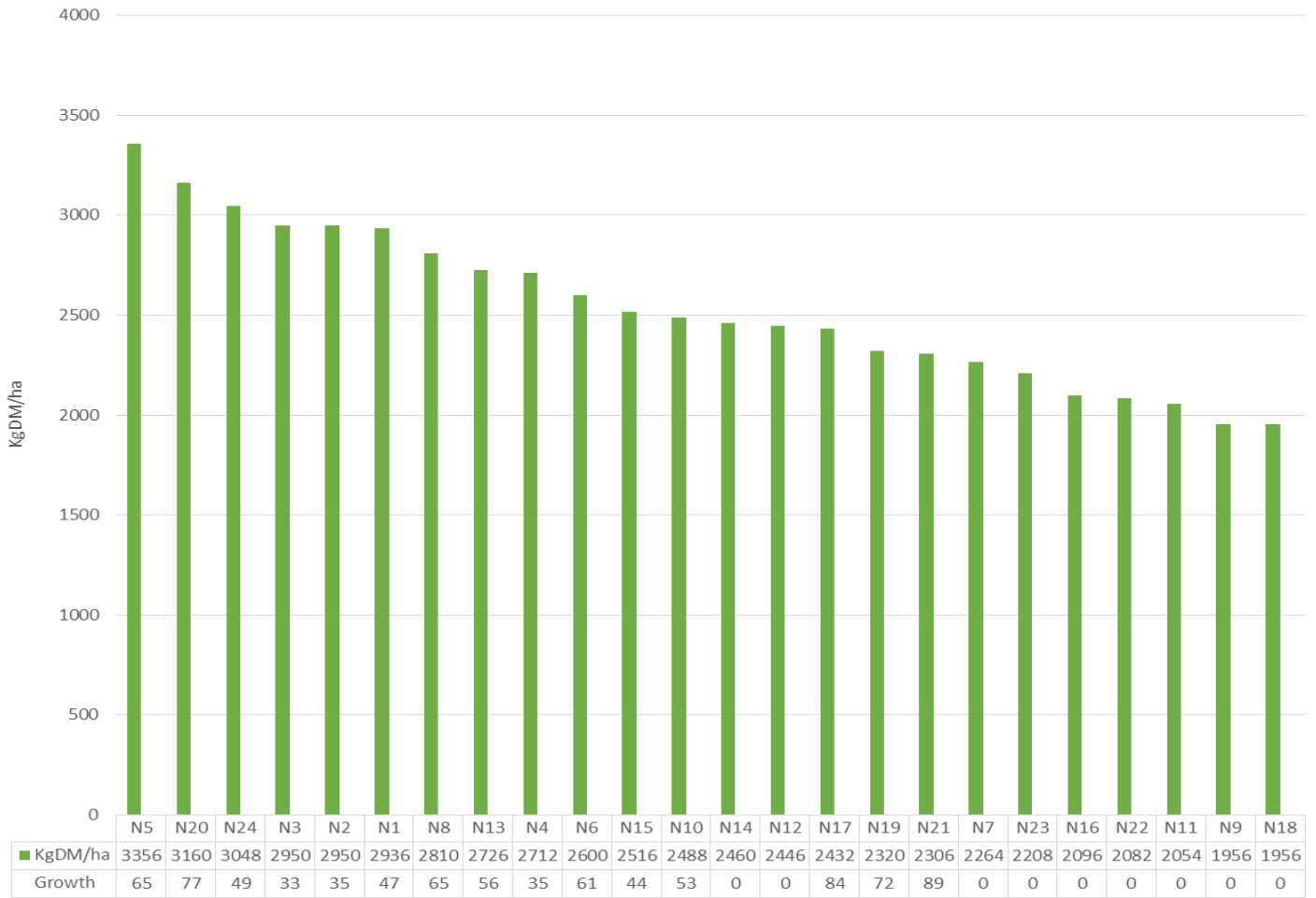
Pasture Quality for this week

	Whakapono	Waiora
DM%	17	18
Ryegrass (%DM)	62	61
Clover (%DM)	33	32
Weeds (%DM)	5	6
Herbs (%DM)	0	0

Feed Wedges – 31st January



Waiora Feed Wedge



Fertiliser Applied

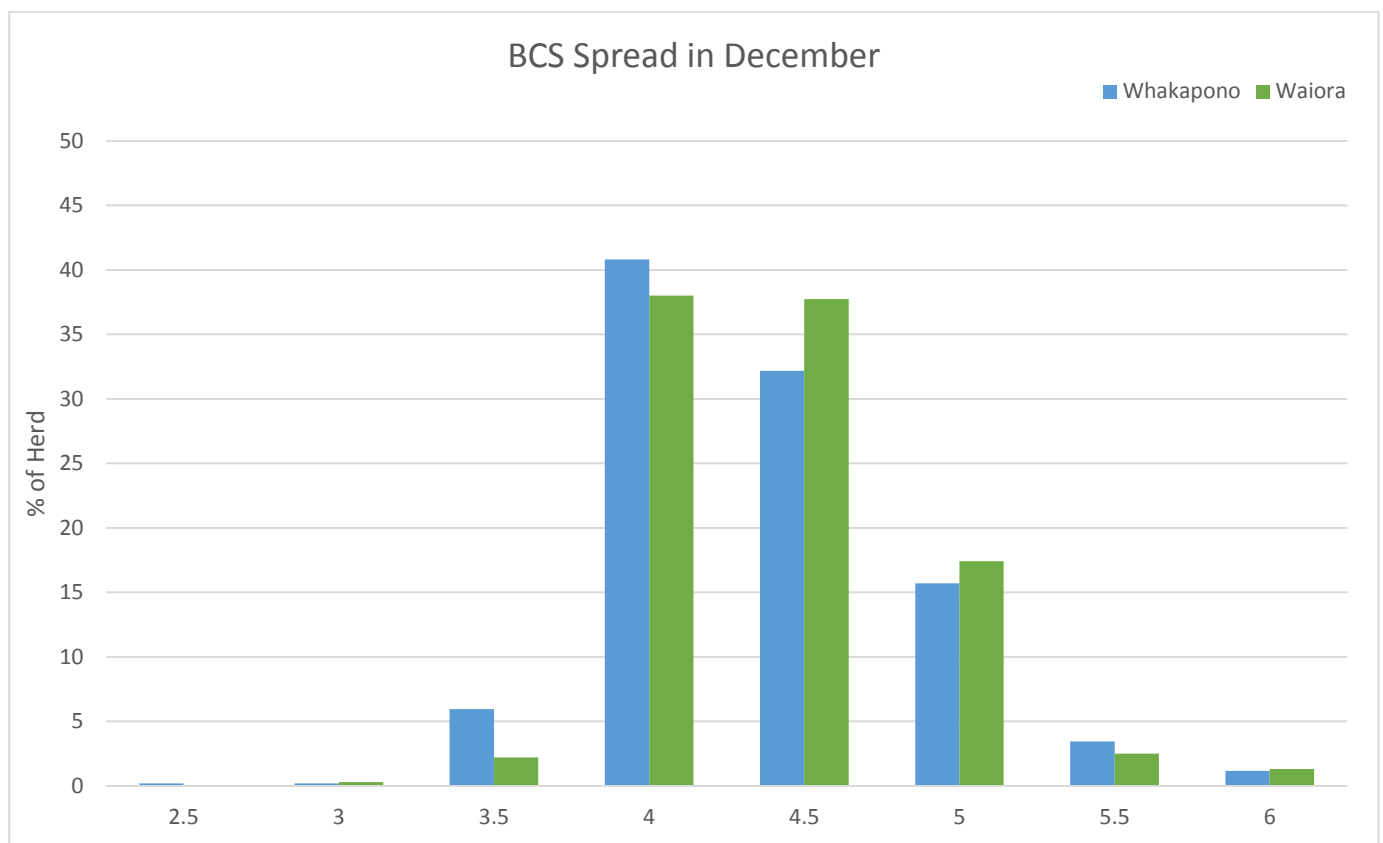
Whakapono – Healthy Soils

Month	N	P	K	S	Mg	Ca
August	11	0	0	11	0	0
September	20	0	0	20	0	0
October	13	19	28	52	0	115
November	22	14	37	56	0	87
December	9	0	10	13	0	0
January	21	0	0	24	0	0
Total to Date Applied	95	33	75	176	0	202

Waiora - Ballance

Month	N	P	K	S	Mg	Ca
August	27	0	0	14	0	2
September	13	0	0	7	0	1
October	18	9	9	12	7	22
November	19	11	23	14	8	27
December	8	0	8	0	0	0
January	23	0	0	0	0	0
Total to Date Applied	108	21	40	47	15	52

Cow Condition



Cows were assessed at the start of December. Average condition is has slightly improved on Whakapono to 4.4 and remained the same on Waiora at 4.4. 6% of the herd on Whakapono was below CS 4.0 and there was 2% below CS 4.0 on Waiora. So for both farms an improvement in the bottom end. Both farms tracking along well.

Herd Test Results

Farm	No. of herds	Herd Size	Milk (L)	Milkfat (%)	Milkfat (kg)	Protein (%)	Protein (kg)	Milk Solids (kg)
Whakapono		446	21.3	4.80	1.02	4.19	0.89	1.91
Waiora		586	21.2	5.04	1.07	4.21	0.89	1.96
Canterbury	35	677	20.9	4.59	0.96	3.86	0.81	1.77

Results are from the 11th and 12th of January.

Management Summary

- Rotation length at present is at 19-21 days.
- Irrigation continues to keep up with dry period.
- Irrigation for k-lines and pivots as per moisture meter.
- 2mm of rain this week. Then we had some really hot days with temperatures in the late 20's.
- Maintenance fertiliser being put on. Pasturemag 5K on Waiora at a rate of 401kg/ha. This includes 1kg/ha of selenium. Whakapono has put on annual fertiliser with nitrogen.
- The plan for fertiliser plan for this season is to have both farms put on no more than 100kg/ha of N for the season.
- Waiora is now going to exceed this as the first round of fertiliser has been put on with a different product than what was initially planned. Interestingly it did not lift the cover to above expected levels.
- To date the spend for Waiora has been \$90,377.30 = \$430/ha. There will also be more maintenance fertiliser go on in Autumn as we didn't want to put so much K on in one hit.
- And on Whakapono the spend has been \$80,840.51 = \$521.55/ha.
- We have been pre-mowing paddocks to keep on top of pasture quality. All of Waiora has been mown and nearly all of Whakapono apart from 2 paddocks has been mown. Ironically the silage paddocks need to be done again.
- We have oversown all the paddocks that we calved on – with winter active ryegrass and plantain.
- Calves still on farm – another 90 have left the farm last week (after the previous 240 over the last few weeks) left the farm at 85kg or more. Calves go to the 2 graziers on a random basis as they come up to weight and come back to their home farms at calving.
- Only 20 odd bulls and Hereford calves left on farm.
- Herd test done – see results table above.

- Had first scan for mating – Waiora 677 scanned – early 444 late 135 total to recheck 98 – 14.5% to recheck. Whakapono 516 scanned – early 347 late 108 total to recheck 61 – 12% to recheck.
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