

## Backtrack Dairies

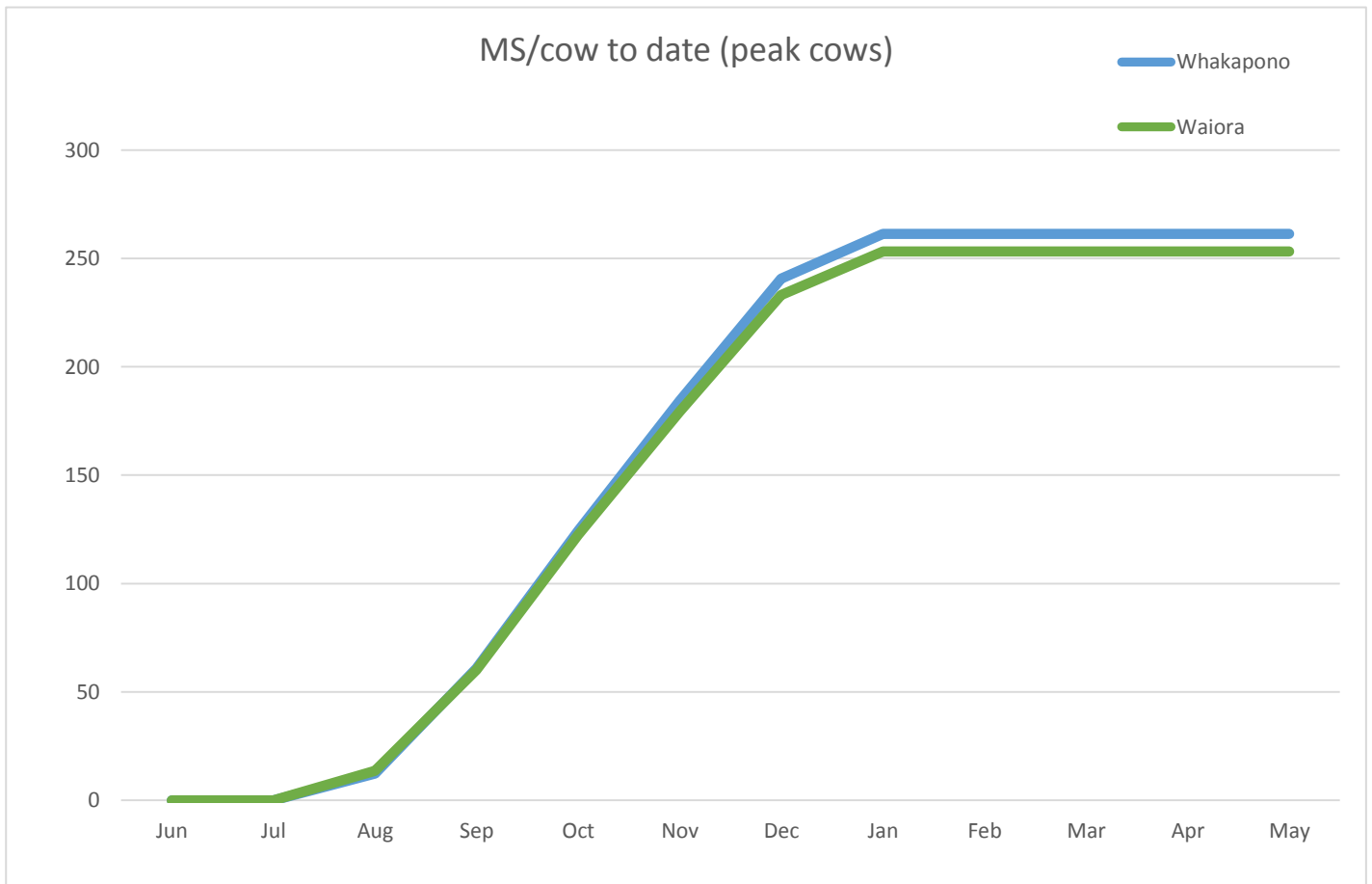
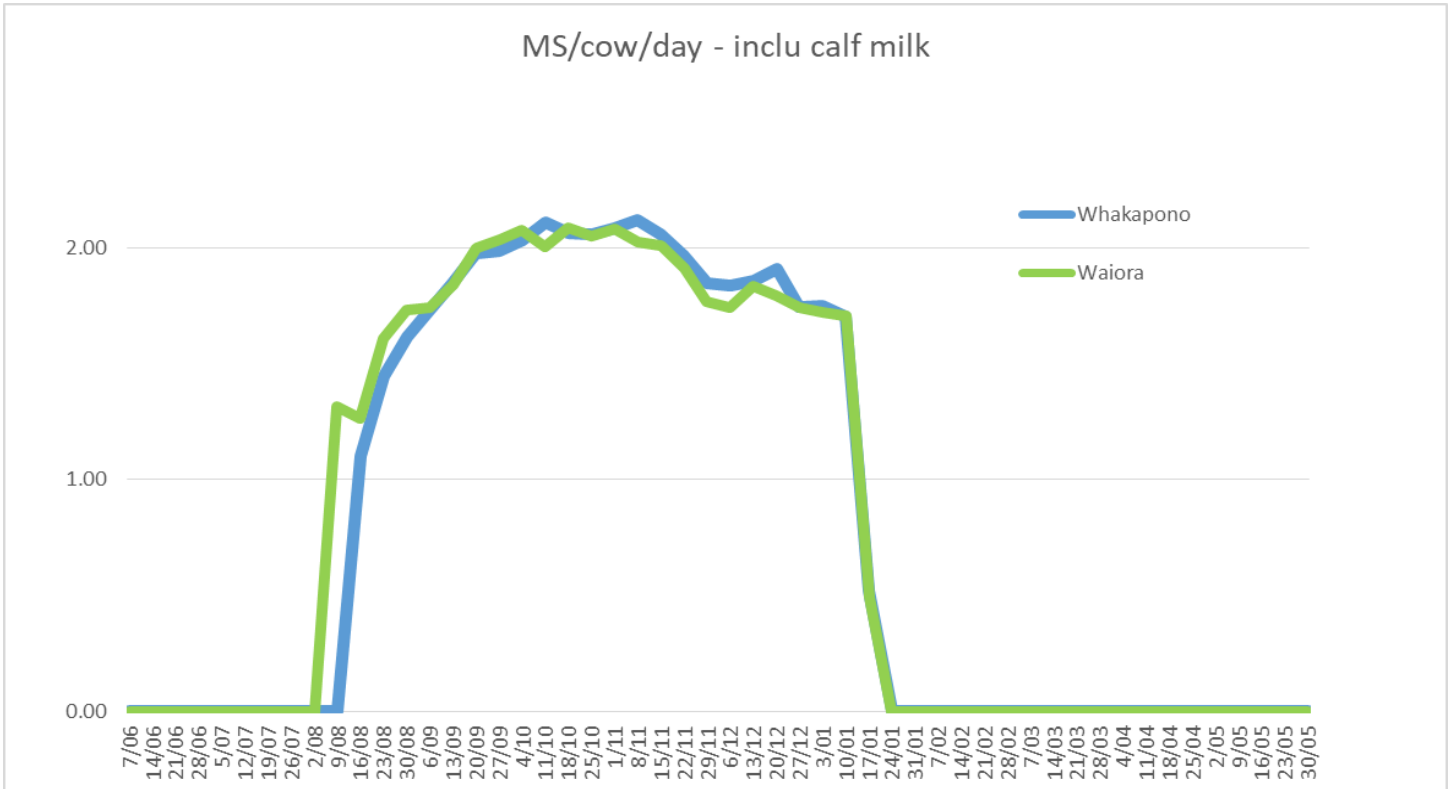
Week ending 20<sup>th</sup> December 2017

### 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	13/12/17		20/12/17	
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)	3.4	3.3	3.3	3.2
Cows in Milk	522	683	521	682
% of cows in Sick Herd	0.0	1.1	0.2	0.6
Cows in Vat	522	676	520	678
Ave. Pasture Cover	2489	2534	2281	2538
Ave. Pasture Growth	59	51	30	57
Area Grazed	7.65	9.01	8.54	9.86
Grazing Interval	20	23	18	21
Pasture Intake (est kgDM/cow)	14	21	18	17
Grass Silage Fed (kgDM/cow)	0.0	0.0	0.0	0.0
Grain/PKE Fed (kgDM/cow)	1.4	1.4	1.0	1.0
Total Fed KgDM/cow	15	22	19	18
Milk Solids (Kg/cow/day)(inclu calf milk)	1.86	1.83	1.91	1.79
MS/ha/day	6.00	5.81	6.16	5.67
Nitrogen applied (kg N/ha)	0	0	0	0
Rainfall (mm for week)	21	21	4	4
Irrigation applied (mm for week)	31	26	22	29
Soil Temperature at 9am	18	19	17	18
Soil Moisture (between 65-76%)	78	78	96	75
Cell count (000's)	122	131	104	137
Mastitis Cases (%)	0.0	0.1	0.0	0.0
Lameness Cases (%)	0.0	0.9	0.6	0.0
Body Condition Score	4.4	4.4	4.4	4.4
<b>Totals To Date</b>				
Milk Solids to factory	101327	131609	108032	139986
Milk Solids inclu calf milk	108941	140933	115898	149499
MS/ha	651	624	695	664
MS/cow (peak cows)(inclu calf milk)	208	202	222	214
Nitrogen applied (kg N/ha)	71	88	71	88
Supplements Fed (kg/cow)	324	329	331	336
Deaths %	2.3	2.7	2.3	2.7
Culls %	1.1	1.3	1.1	1.3
Mastitis %	11	9	11	9
Lameness %	4	3	4	3

# Production Graph



## Mating

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

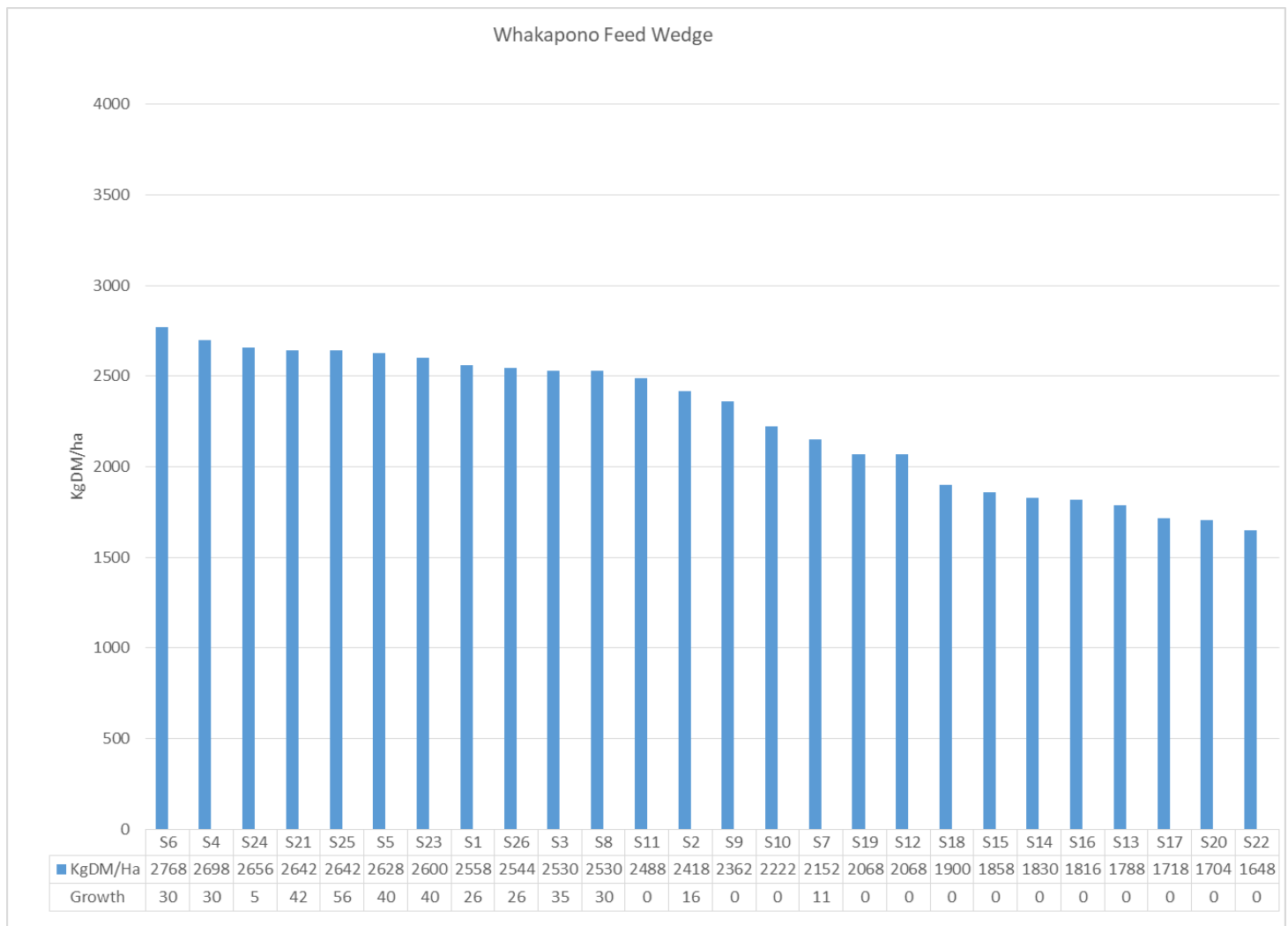
	<b>Whakapono</b>	<b>Waiora</b>
No of Mastitis Cows	0	0
No of Lambe Cows	3	0
Sick Herd %	0.2	0.6

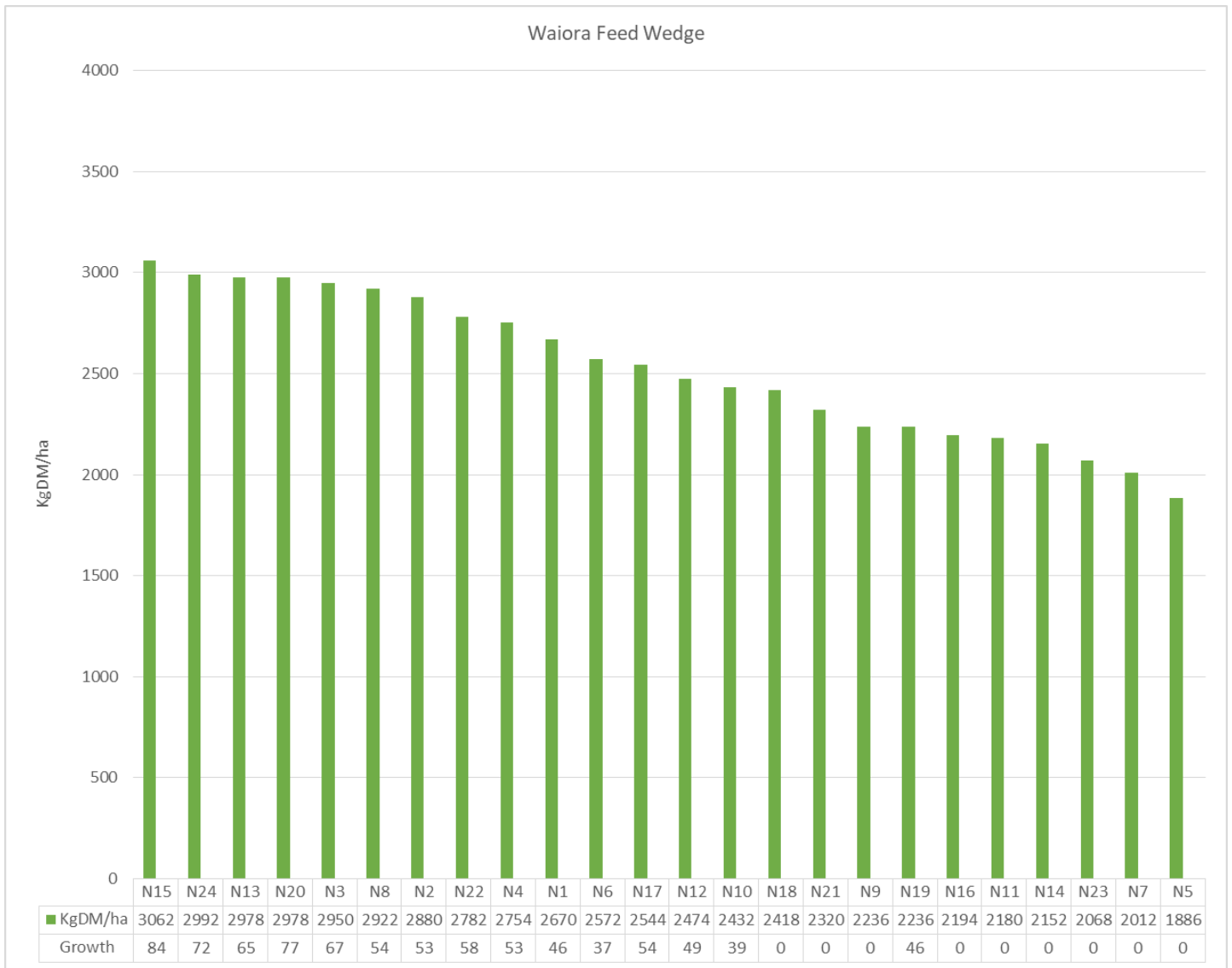
## Pastures

### Pasture Quality for this week

	Whakapono	Waiora
DM%	21	17
Ryegrass (%DM)	74	76
Clover (%DM)	23	22
Weeds (%DM)	3	2
Herbs (%DM)	0	0

### Feed Wedges – 20<sup>th</sup> December





## Fertiliser Applied

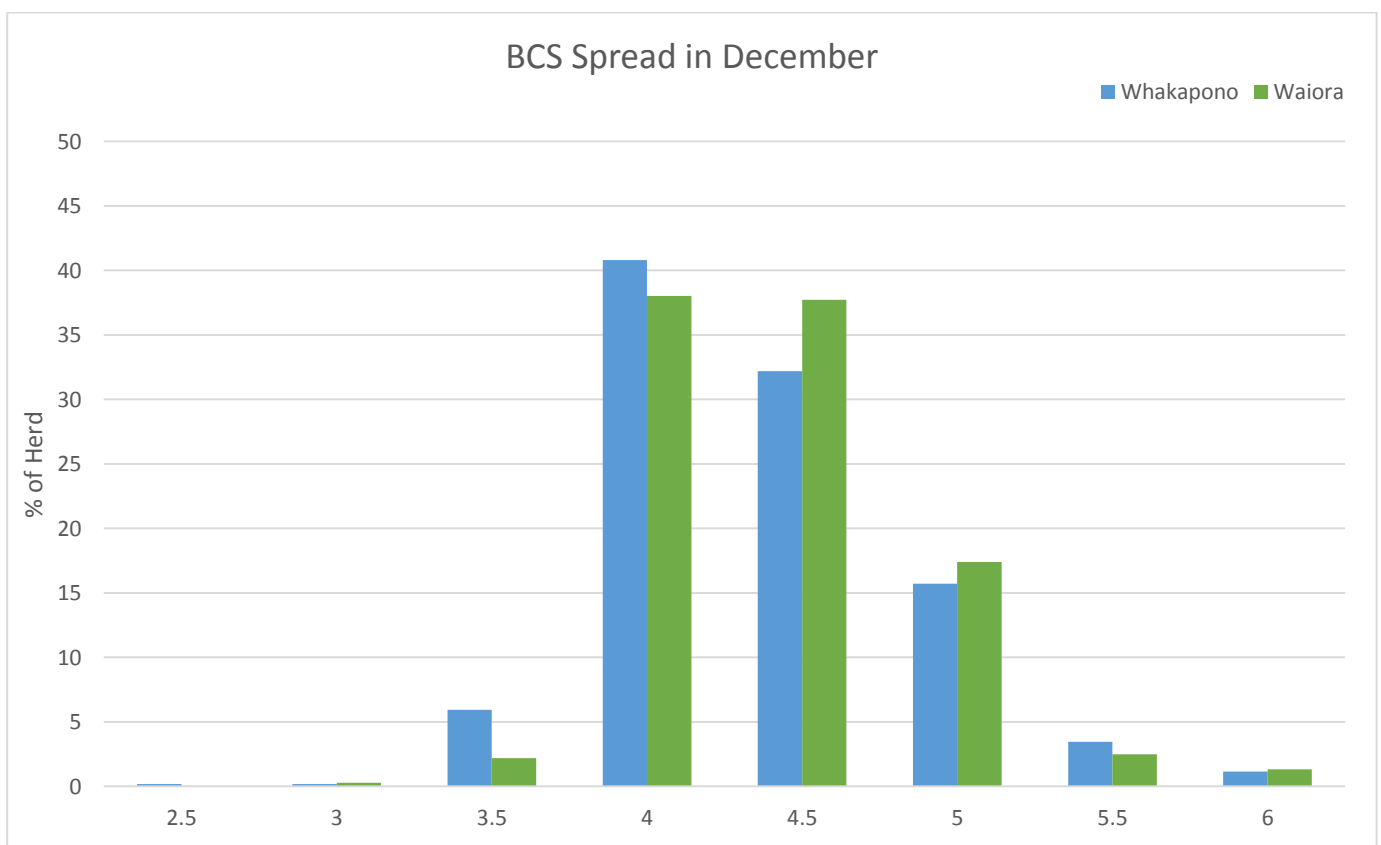
### Whakapono – Healthy Soils

Month	N	P	K	S	Mg	Ca
August	9	0	0	11	0	0
September	18	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
<b>Total to Date Applied</b>	<b>71</b>	<b>33</b>	<b>75</b>	<b>152</b>	<b>0</b>	<b>202</b>

### 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	21	11	11	14	8	27
December	9	0	0	0	0	0
<b>Total to Date Applied</b>	<b>88</b>	<b>21</b>	<b>20</b>	<b>47</b>	<b>15</b>	<b>52</b>

### 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		438	27.6	4.25	1.17	3.92	1.08	2.25
Waiora		570	27.1	4.39	1.19	3.86	1.05	2.24
Canterbury	157	659	26.4	4.41	1.16	3.72	.98	2.15

Results are from the 9<sup>th</sup> and 10<sup>th</sup> of October.

## 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.
- Baleage was made on Whakapono off 13ha. A total of 48 bales.
- Maintenance fertiliser being put on. Pasture mag 5 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.
- We have oversown all the paddocks that we calved on – with winter active ryegrass and plantain.
- Sprayed out Californian thistles on N22 and N24 – didn't want to use round up so used grandstar instead, which means you need to leave it for 2 weeks if you want to plant with herbs.
- Calf milk is being taken from the vat on both sides. Whakapono 2800L for the week and Waiora 2100L for the week.
- Calves still on farm – another 90 have left the farm this 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, but come back to their home farms at calving.
- Herd test done in late October – see results table above. Another one due to be done in mid-January