

## Backtrack Dairies

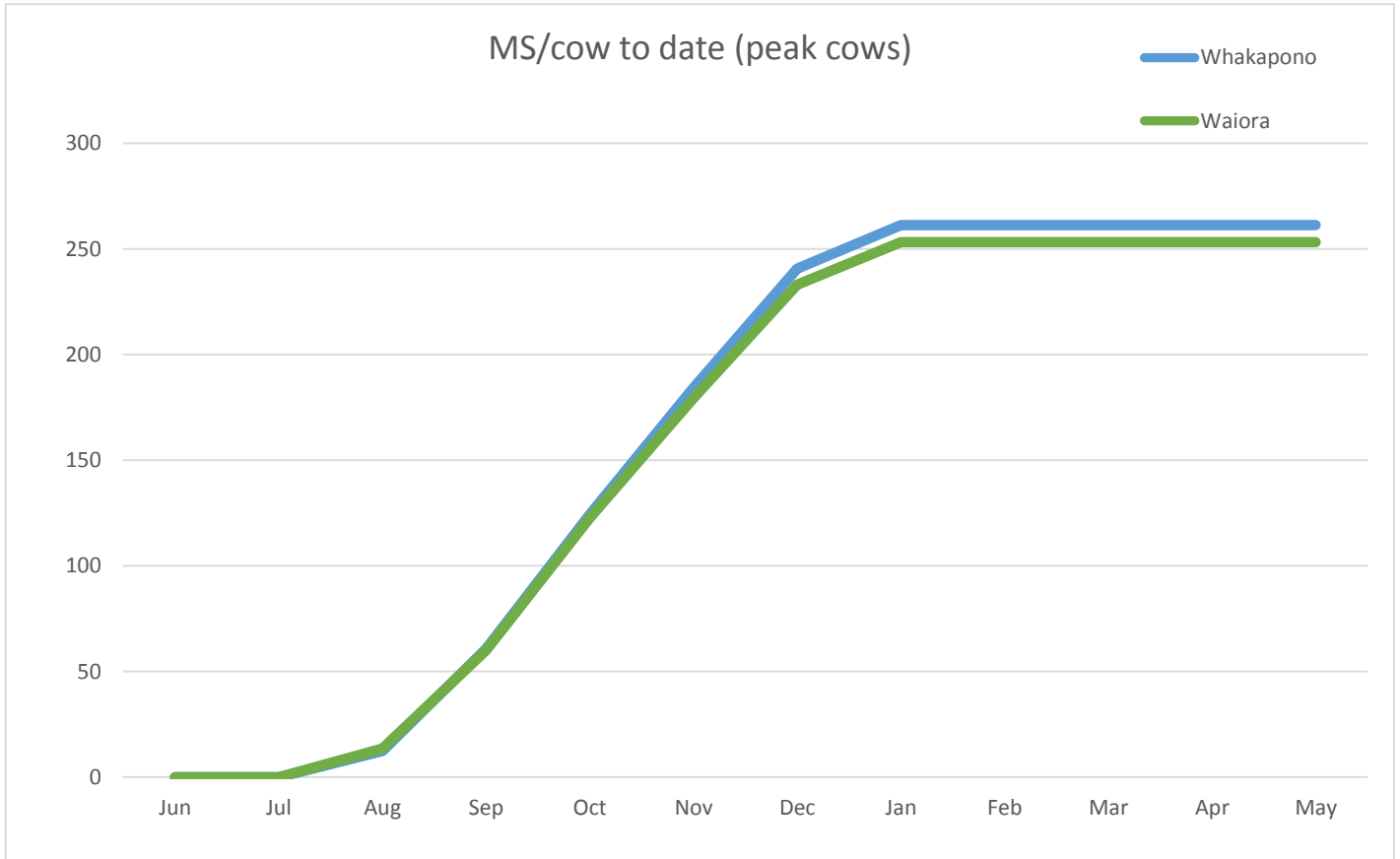
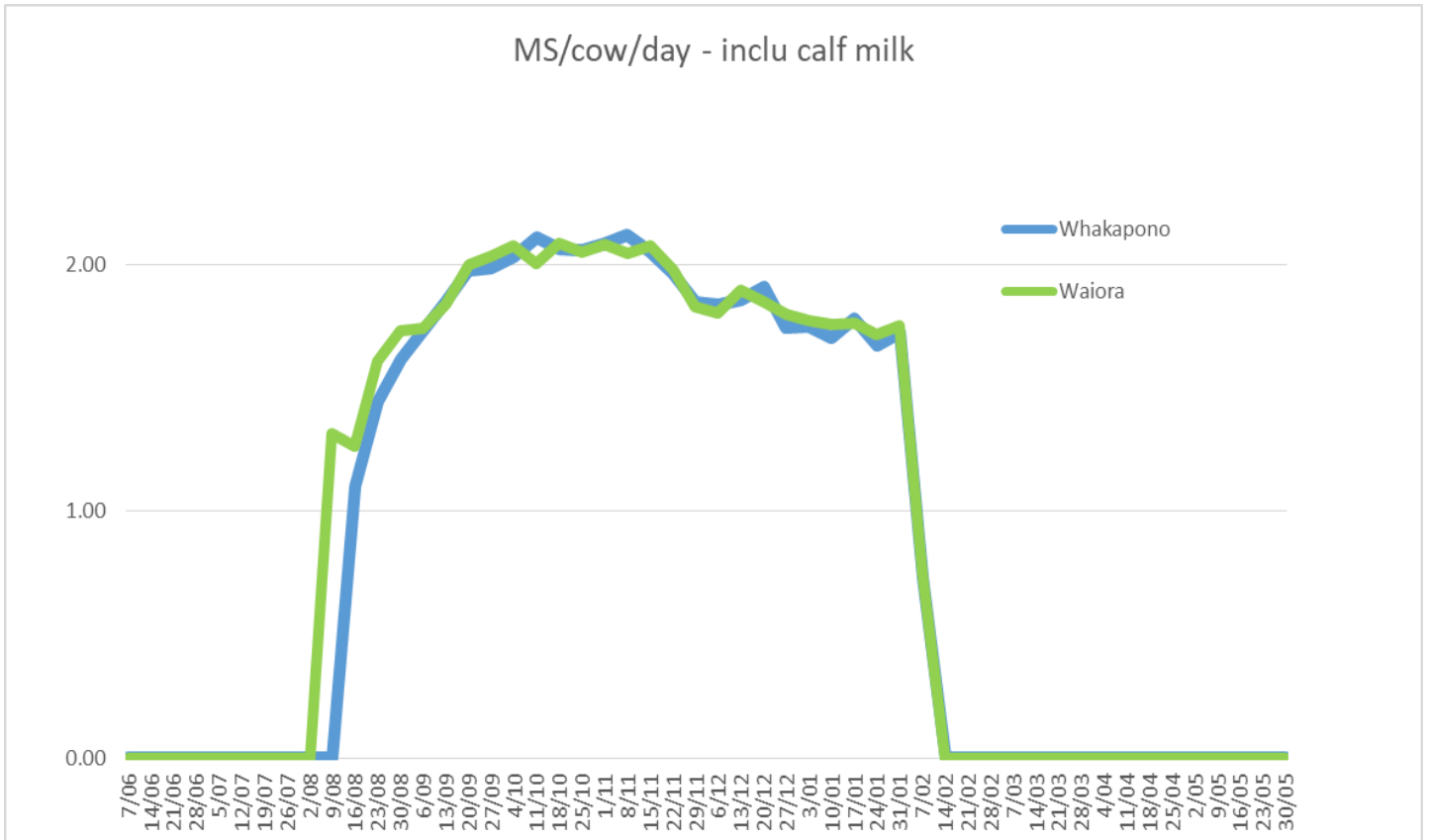
Week ending 3<sup>rd</sup> January 2018

### 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	27/12/17		3/01/18	
<b>Backtrack Dairies</b>	<b>Whakapono</b>	<b>Waiora</b>	<b>Whakapono</b>	<b>Waiora</b>
Farm grazing ha	155	210	155	210
Peak Cows	523	697	523	697
Stocking Rate (cows in milk/ha)	3.3	3.2	3.3	3.2
Cows in Milk	521	682	521	682
% of cows in Sick Herd	0.6	0.3	0.2	0.5
Cows in Vat	518	680	520	678
Ave. Pasture Cover	2462	2458	2363	2428
Ave. Pasture Growth	84	53	44	37
Area Grazed	7.87	10.52	8.65	8.11
Grazing Interval	20	20	18	26
Pasture Intake (est kgDM/cow)	15	20	20	15
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	16	18	21	16
Milk Solids (Kg/cow/day)(inclu calf milk)	1.74	1.74	1.75	1.72
MS/ha/day	5.84	5.63	5.85	5.56
Nitrogen applied (kg N/ha)	0	0	0	0
Rainfall (mm for week)	24	24	8	8
Irrigation applied (mm for week)	28	30	18	20
Soil Temperature at 9am	17	17	17	17
Soil Moisture (between 65-76%)	103	79	100	77
Cell count (000's)	101	141	105	143
Mastitis Cases (%)	0.2	0.0	0.0	0.3
Lameness Cases (%)	0.0	0.1	0.0	0.4
Body Condition Score	4.4	4.4	4.4	4.4
<b>Totals To Date</b>				
Milk Solids to factory	114389	148303	120757	156509
Milk Solids inclu calf milk	122255	157816	128623	166022
MS/ha	735	703	776	742
MS/cow (peak cows)(inclu calf milk)	234	226	246	238
Nitrogen applied (kg N/ha)	71	88	71	88
Supplements Fed (kg/cow)	338	343	345	350
Deaths %	2.3	2.7	2.5	2.7
Culls %	1.1	1.3	1.1	1.3
Mastitis %	11	9	11	9
Lameness %	4	4	4	4

# Production Graph



## Mating

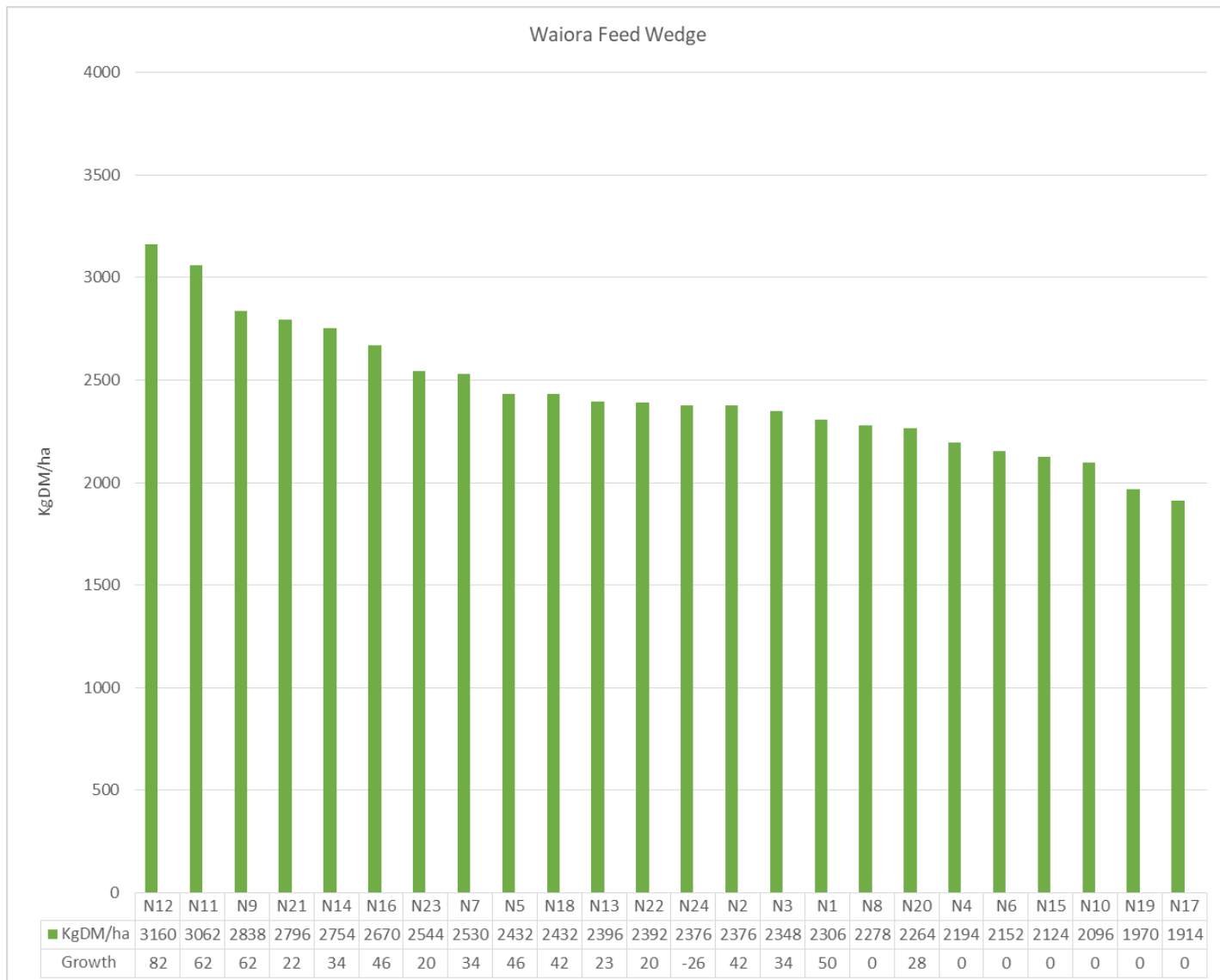
<b>Timeframe of Mating</b>	<b>Dates</b>
Planned Start of Mating	29 <sup>th</sup> October
Metri-checking & PG 1	22 <sup>nd</sup> November
PG 2	1 <sup>st</sup> December
Change to short gestation hereford	7 <sup>th</sup> December
AI Finished	16 <sup>th</sup> December
Bulls entered herd	16 <sup>th</sup> 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>Waioira</b>
No of Mastitis Cows	0	2
No of Lameness Cows	0	3
% to date Mastitis	11	9
% to date Lameness	4	4





## Fertiliser Applied

### Whakapono – Healthy Soils

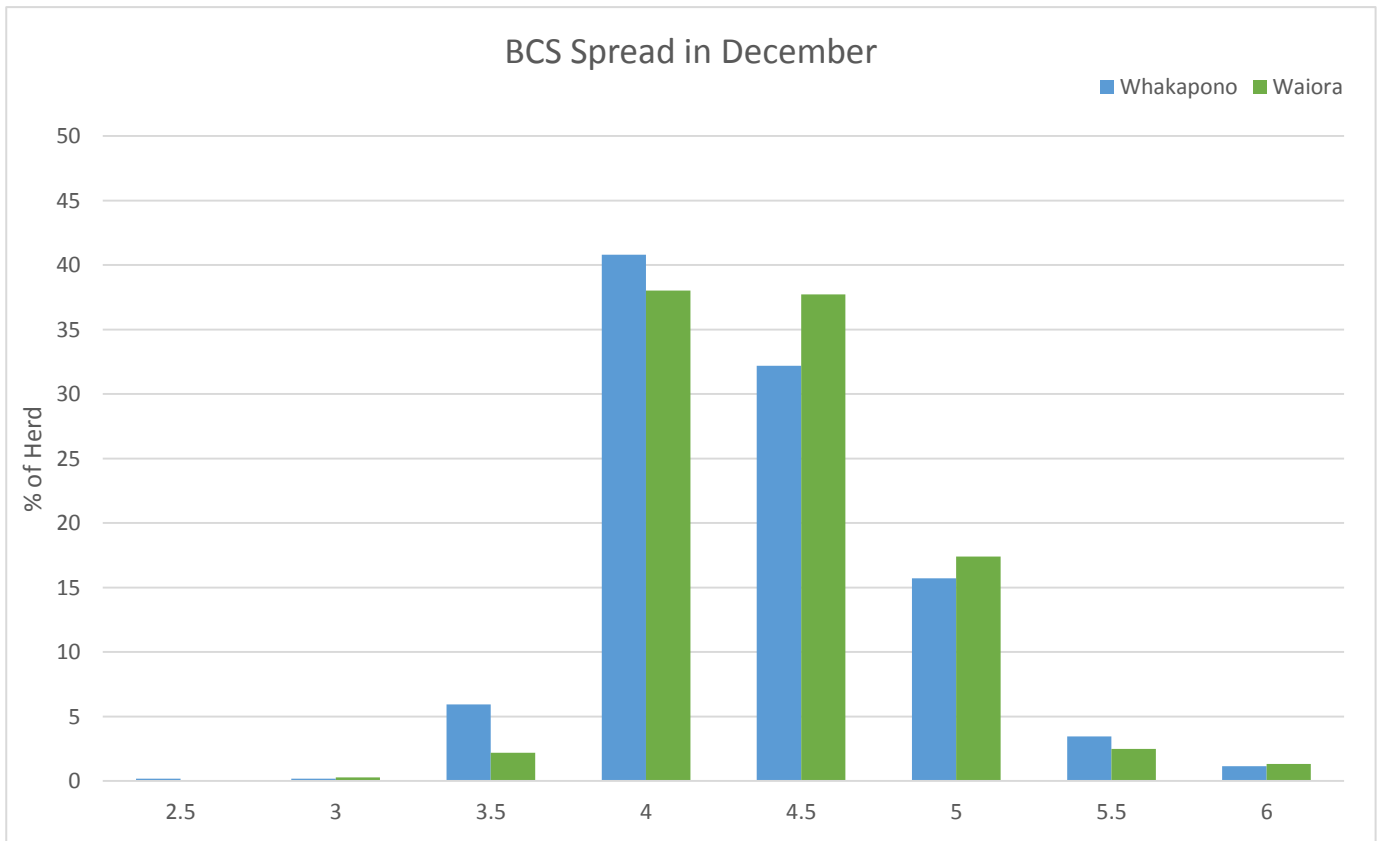
Month	N	P	K	S	Mg	Ca
August	9	0	0	11	0	0
September	18	0	0	20	0	0
October	13	19	28	52	0	115
November	22	14	37	56	0	87
December	9	0	10	13	0	0

<b>Total to Date Applied</b>	71	33	75	152	0	202
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**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>	88	21	20	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		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.
- 8mm of rain this week.
- 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 paddock 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.
- 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. Has been a bit of a failure in hindsight as the thistles haven't died off completely and they are underperforming now.

- 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, 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