

## Backtrack Dairies

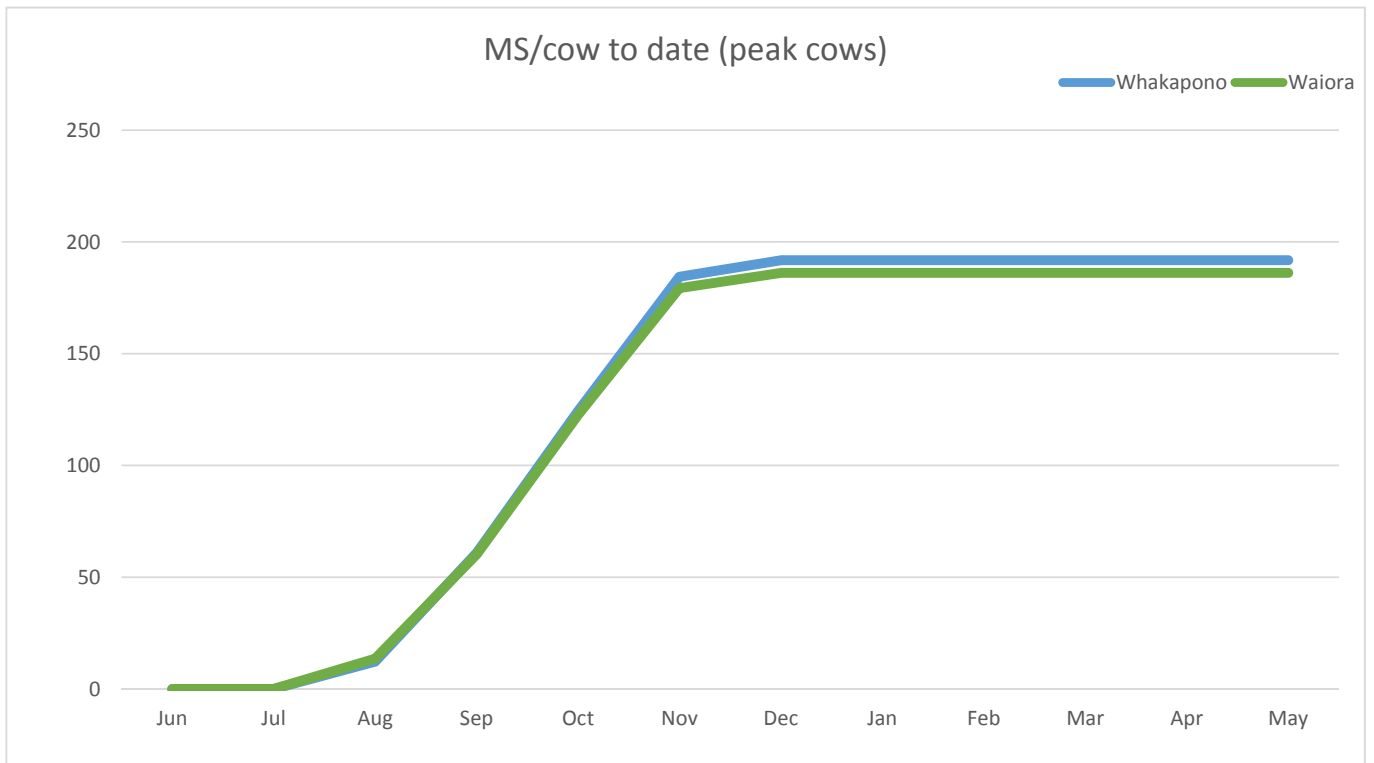
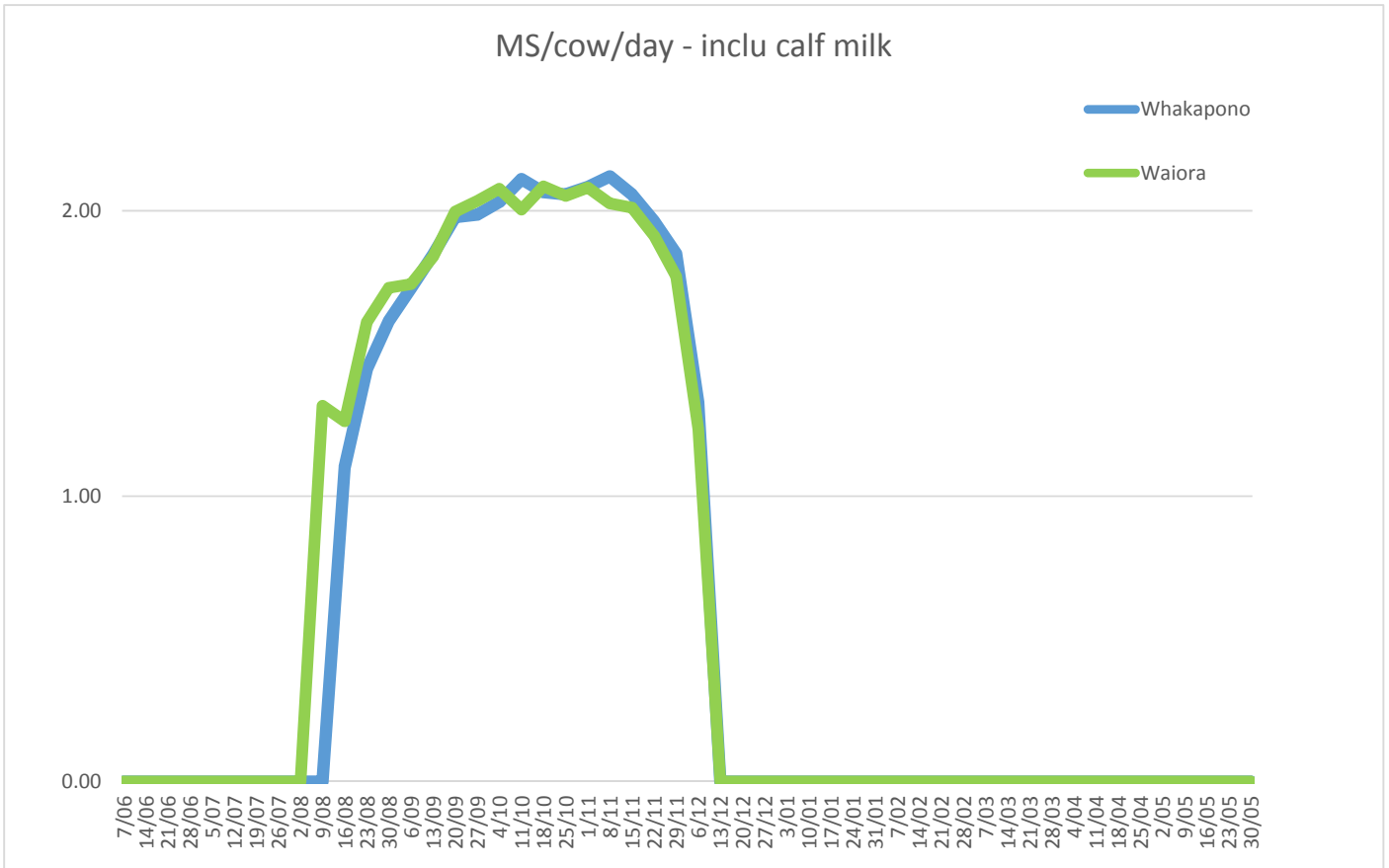
Week ending 22<sup>nd</sup> November 2017

### 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	15/11/17		22/11/17	
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	3.4	3.3
Cows in Milk	522	686	523	686
% of cows in Sick Herd	0.4	0.2	1.1	0.2
Cows in Vat	520	684	517	685
Ave. Pasture Cover	2752	2649	2497	2470
Ave. Pasture Growth	73	61	71	83
Area Grazed	6.37	8.31	8.29	12.79
Grazing Interval	24	25	19	16
Pasture Intake (est kgDM/cow)	22	19	21	23
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	23	20	22	24
Milk Solids (Kg/cow/day)(inclu calf milk)	2.06	2.01	1.96	1.91
MS/ha/day	6.56	6.14	6.29	6.03
Nitrogen applied (kg N/ha)	0	0	2	0
Rainfall (mm for week)	2	2	0	0
Irrigation applied (mm for week)	29	71	21	24
Soil Temperature at 9am	13	14	15	15
Soil Moisture (between 65-76%)	94	78	94	83
Cell count (000's)	129	137	107	114
Mastitis Cases (%)	0.2	0.0	0.2	0.0
Lameness Cases (%)	0.4	0.1	0.4	0.1
Body Condition Score				
<b>Totals To Date</b>				
Milk Solids to factory	75040	97693	81887	106596
Milk Solids inclu calf milk	81484	106171	88673	115353
MS/ha	482	463	526	505
MS/cow (peak cows)(inclu calf milk)	156	152	170	165
Nitrogen applied (kg N/ha)	71	83	71	83
Supplements Fed (kg/cow)	281	287	288	294
Deaths %	1.9	2.2	1.9	2.2
Culls %	1.1	1.3	1.1	1.3
Mastitis %				
Lameness %				

# 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

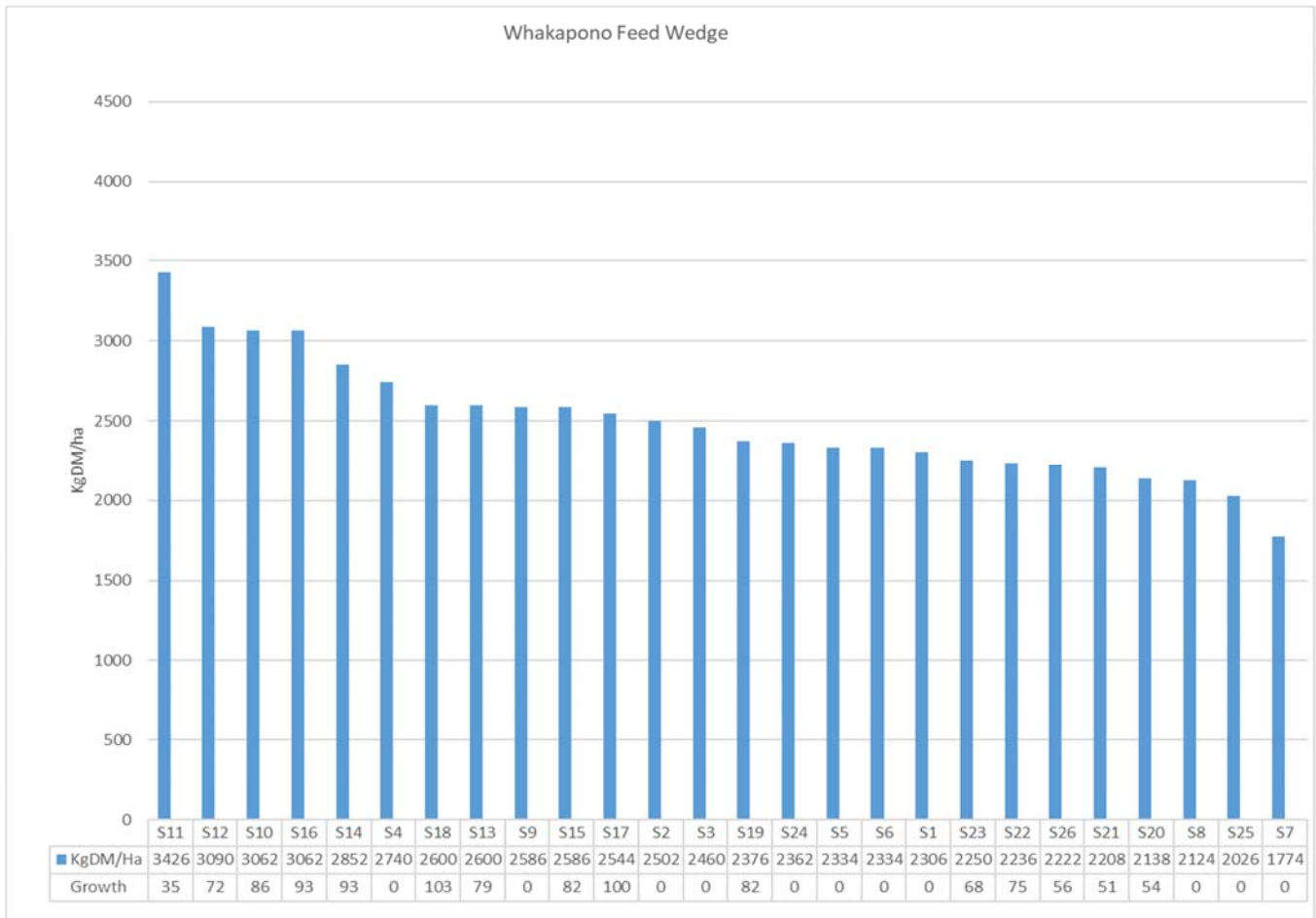
	<b>Whakapono</b>	<b>Waiora</b>
No of Mastitis Cows	1	0
No of Lameness Cows	2	1
Sick Herd %	1.1	0.2

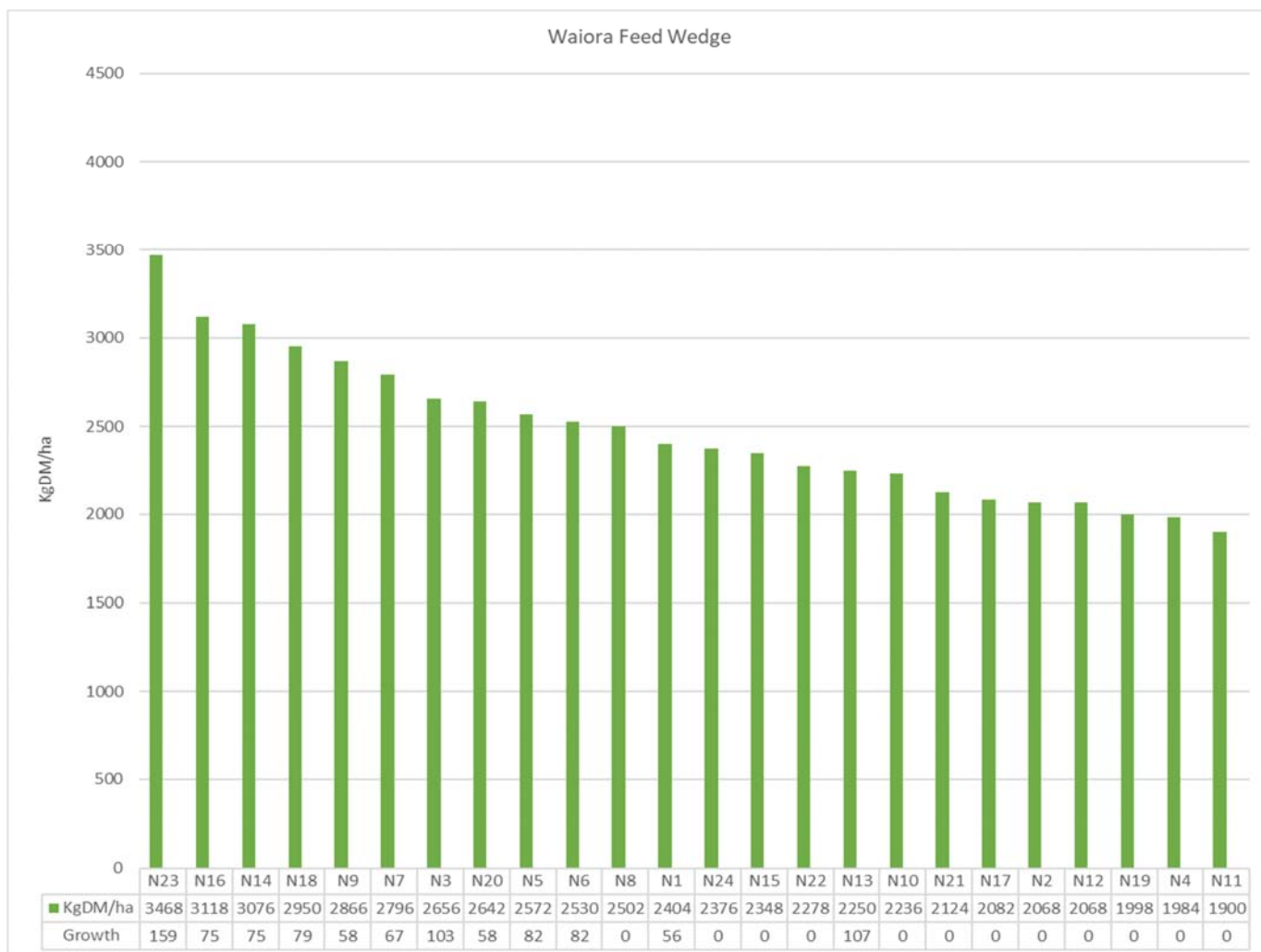
## Pastures

### Pasture Quality for this week

	Whakapono	Waiora
DM%	19	18
Ryegrass (%DM)	80	86
Clover (%DM)	20	14
Weeds (%DM)	0	0
Herbs (%DM)	0	0

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





## Fertiliser Applied

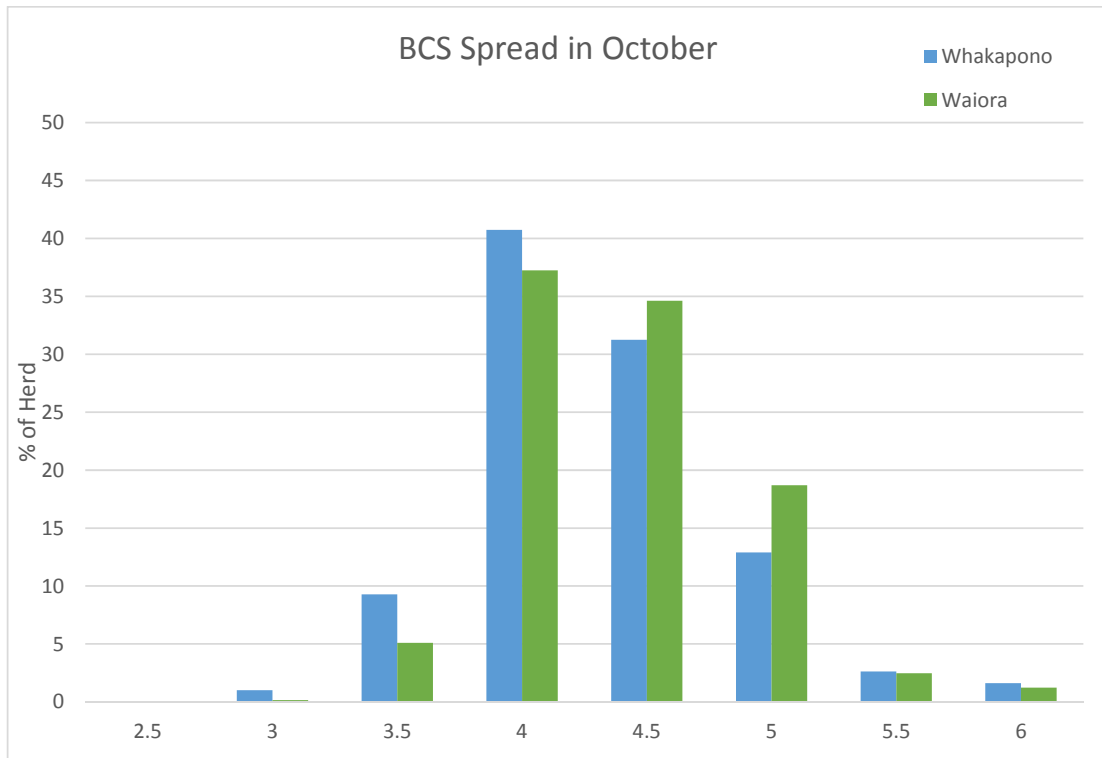
### Whakapono – Healthy Soils

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	5	0	5	7	0	0
<b>Total to Date Applied</b>	<b>67</b>	<b>33</b>	<b>70</b>	<b>146</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	4	0	0	0	0	0
<b>Total to Date Applied</b>	<b>83</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 October. Average condition is 4.3 on Whakapono and 4.4 on Waiora. 10% of the herd on Whakapono was below CS 4.0 and there was 5% below CS 4.0 on Waiora.

## 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 just under 20 days due to silage.
- 3 paddocks have been locked up on both sides for silage. One has been eaten on both sides again. 2 paddocks on each side have been harvested. No DM results were taken. 102 bales came off Waiora and 113 bales came off Whakapono.
- Irrigation started – a small amount for 1 round then stopped. Continued again now as no rainfall for the week.
- Irrigation measurements for Waiora have started again so this week shows how much irrigation has gone on to date. It will be back to normal next week.
- Irrigation for k-lines and pivots as per moisture meter.
- Maintenance fertiliser being put on. Pasture mag 5kg 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 8/11/17 the spend for Waiora has been \$79,945.
- And on Whakapono the spend has been \$64,844.
- 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 kellites 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 4200L for the week and Waiora 6500L for the week.
- Calves still on farm – another 80 have left the farm this week (after the first 80 last week) 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 December?