

Backtrack Dairies

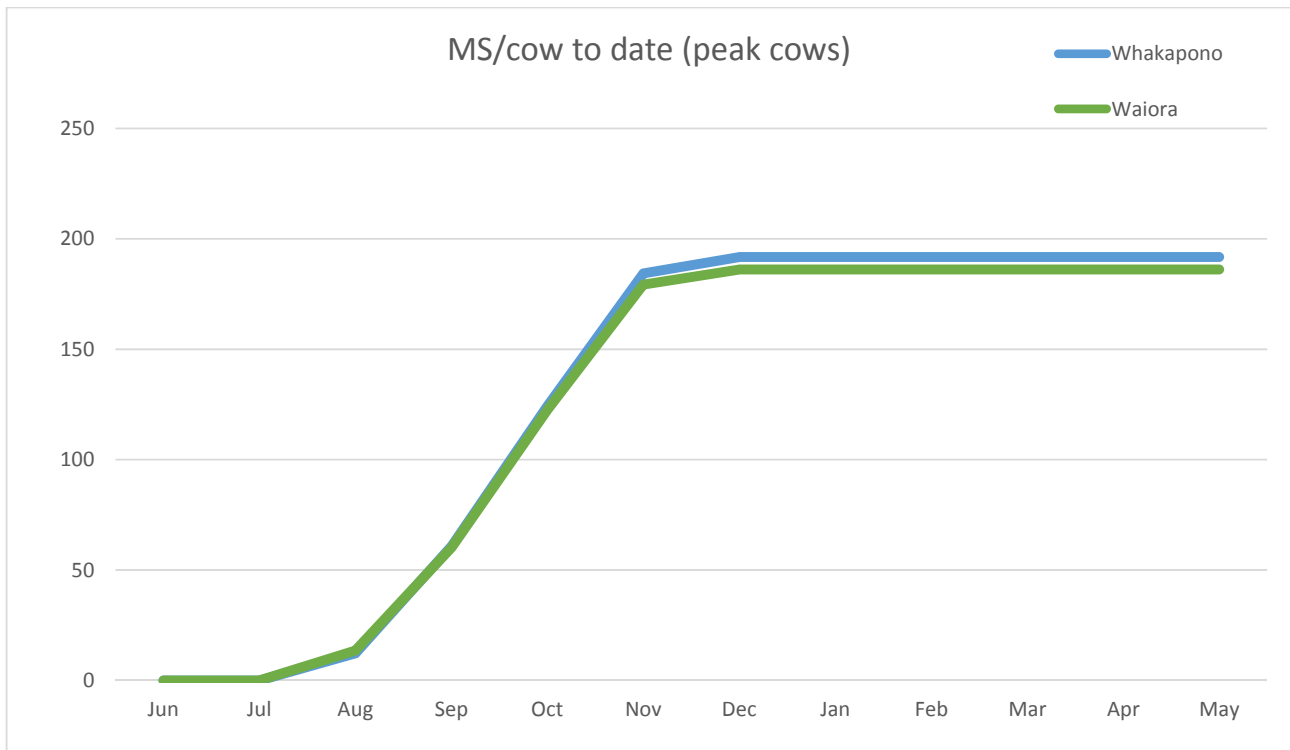
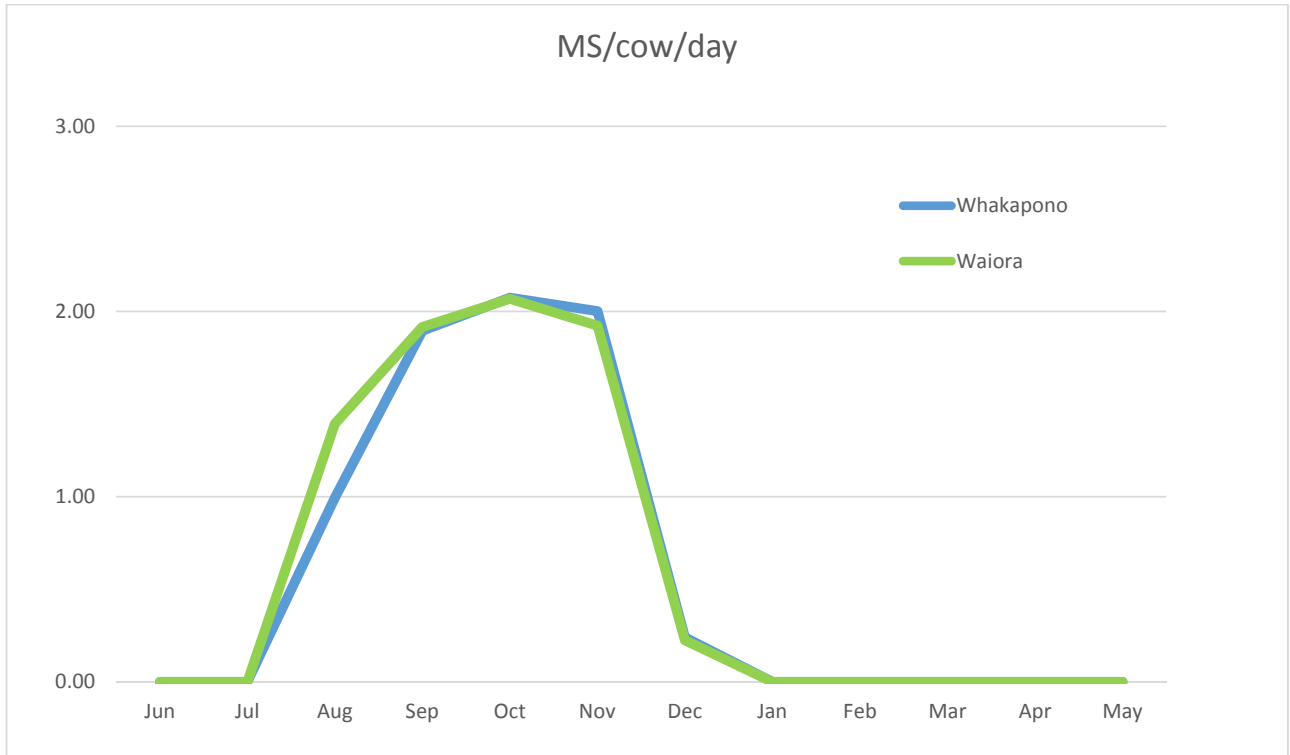
Week ending 8th November 2017

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	1/11/17		8/11/17	
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	3.2	3.4	3.3
Cows in Milk	518	683	523	686
% of cows in Sick Herd	1.1	1.0	0.5	1.0
Cows in Vat	512	676	521	679
Ave. Pasture Cover	2497	2555	2598	2564
Ave. Pasture Growth	80	91	80	51
Area Grazed	6.04	8.94	5.12	6.43
Grazing Interval	26	24	30	33
Pasture Intake (est kgDM/cow)	21	20	20	18
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	21	21	19
Milk Solids (Kg/cow/day)(inclu calf milk)	2.00	2.03	2.12	2.03
MS/ha/day	6.43	6.13	6.58	6.16
Nitrogen applied (kg N/ha)	10	7	0	7
Rainfall (mm for week)	8	8	5	5
Irrigation applied (mm for week)	10		20	
Soil Temperature at 9am	14	15	14	14
Soil Moisture (between 65-76%)	92	76	80	72
Cell count (000's)	116	128	146	121
Mastitis Cases (%)	0.2	0.1	0.2	0.3
Lameness Cases (%)	0	0.6	0.0	0.1
Body Condition Score				
Totals To Date				
Milk Solids to factory	60726	79525	67895	88623
Milk Solids inclu calf milk	63354	84403	73961	95516
MS/ha	390	377	436	420
MS/cow (peak cows)(inclu calf milk)	124	121	141	138
Nitrogen applied (kg N/ha)	49	65	59	83
Supplements Fed (kg/cow)	272	273	274	281
Deaths %	2.0	2.2	1.9	2.2
Culls %	1.2	1.3	1.1	1.3
Mastitis %	10	8	10	8
Lameness %	2	3	2	3

Production



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	7 th January
Pregnancy Scanning 1	1 st February
Pregnancy Scanning 2	1 st March

The plan is to use kiwi cross for most cows and friesian 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

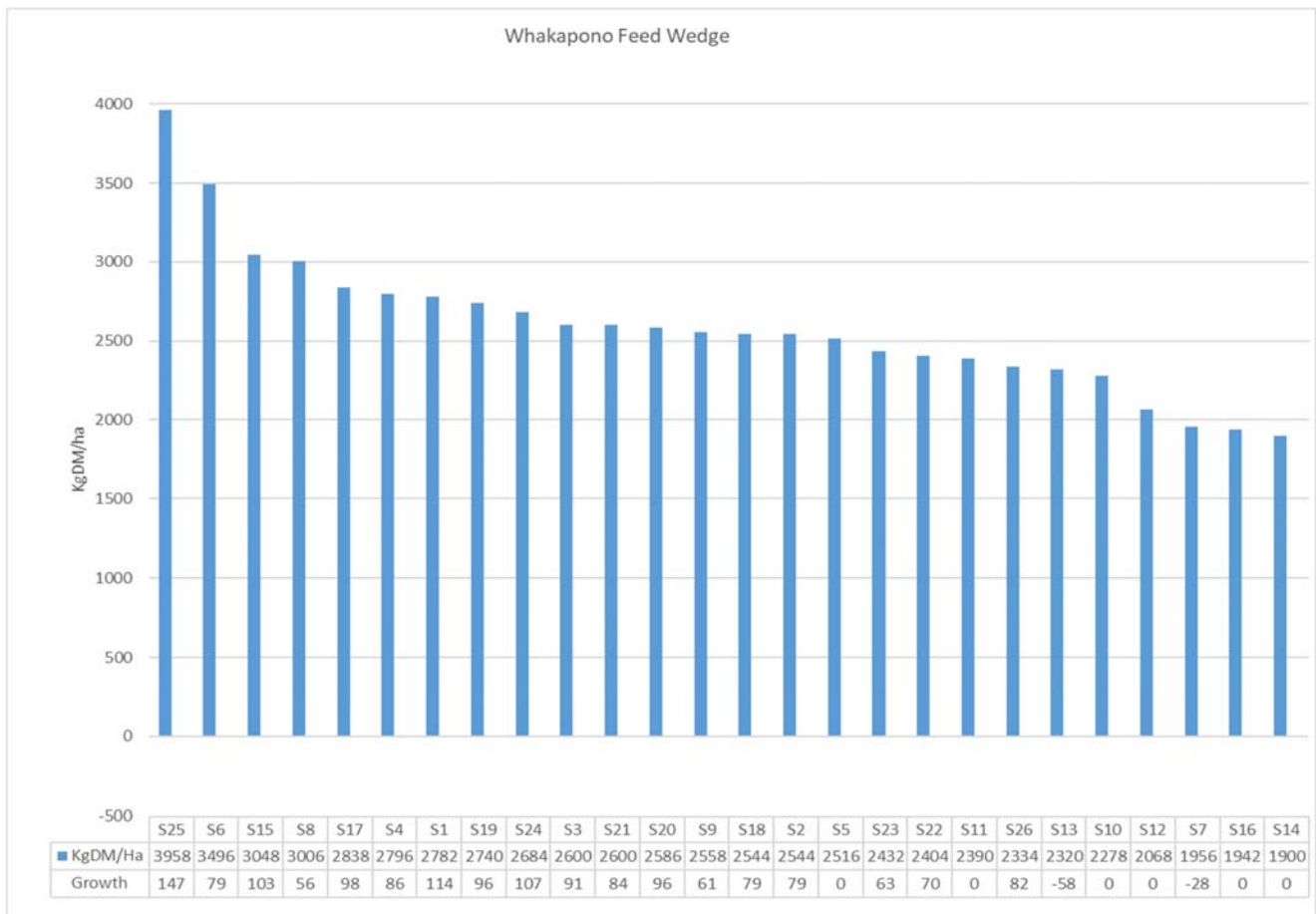
	Whakapono	Waiora
No of Mastitis Cows	1	2
No of Lambe Cows	0	1
Sick Herd %	0.5	1.0

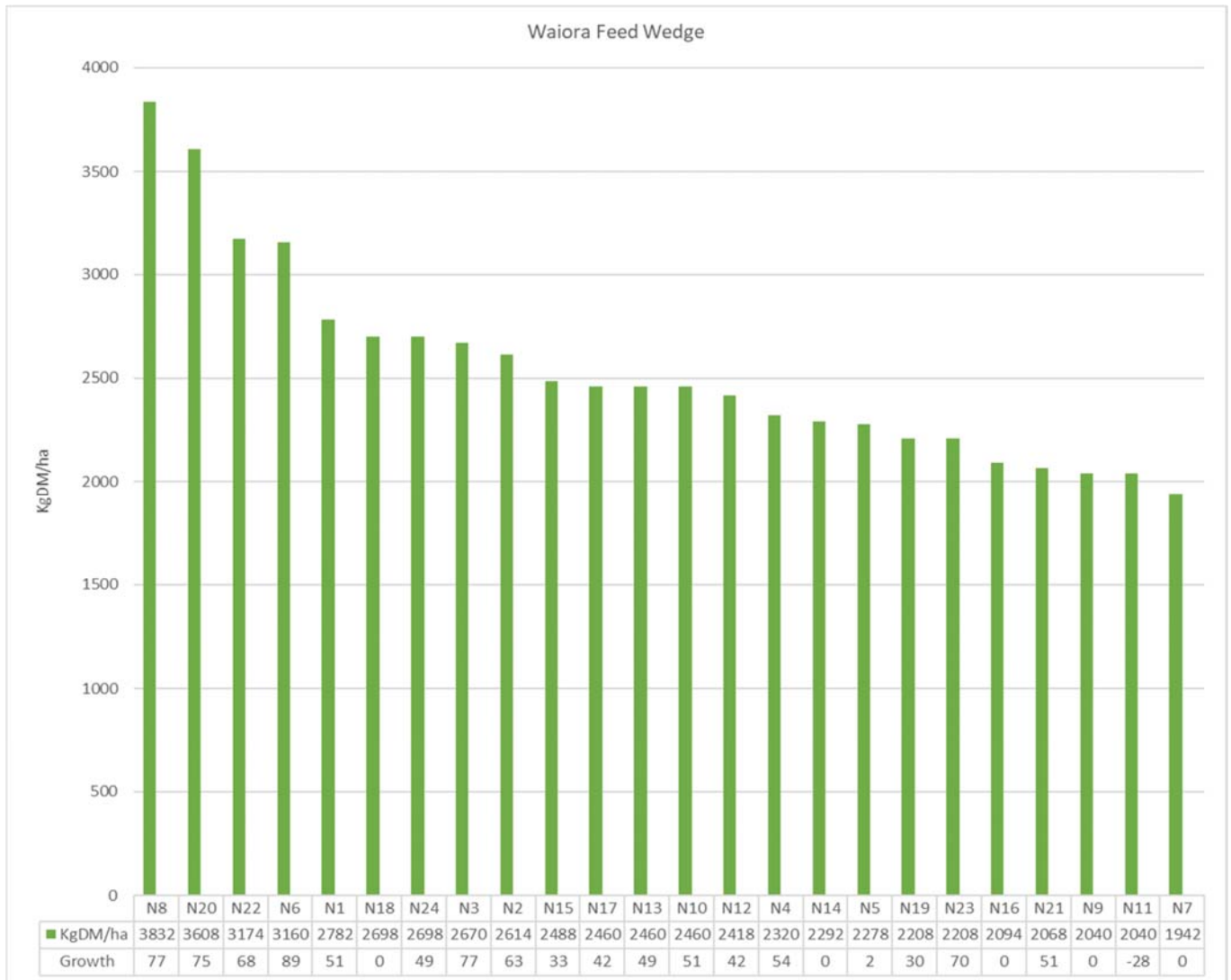
Pastures

Pasture Quality for this week:

	Whakapono	Waiora
DM%	19	20
Ryegrass (%DM)	85	88
Clover (%DM)	15	10
Weeds (%DM)	0	1
Herbs (%DM)	0	1

Feed Wedges – 6th November





Fertiliser Applied

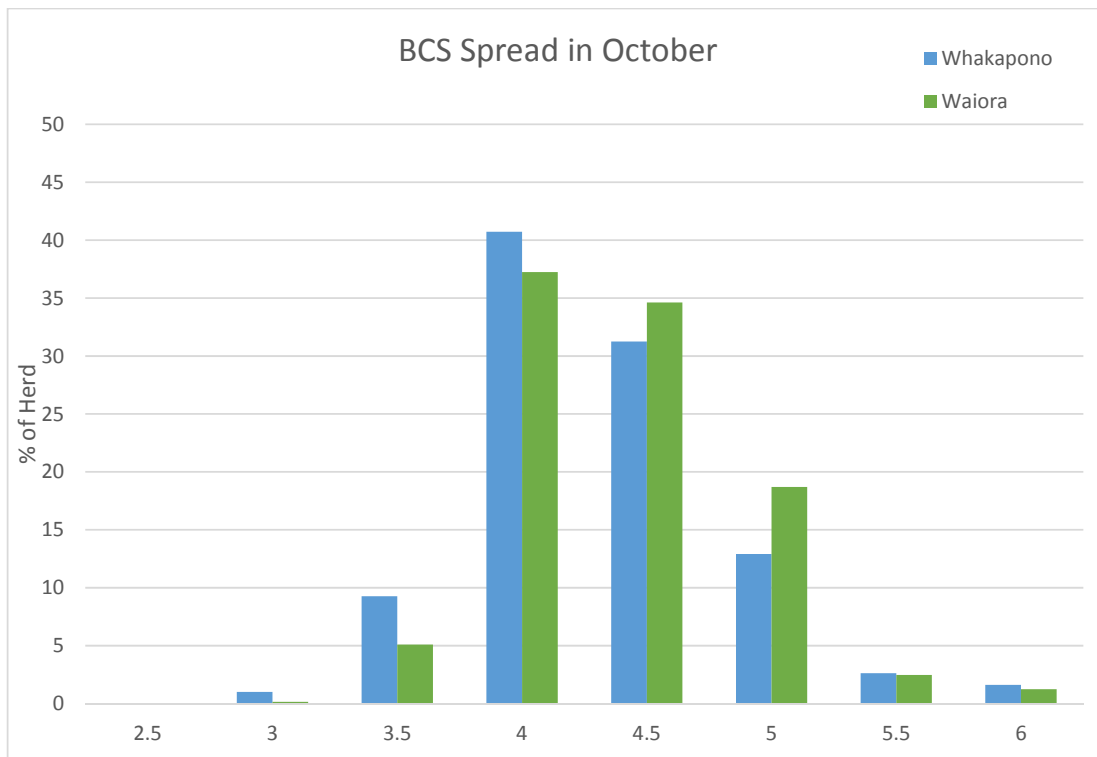
Whakapono – Healthy Soils

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
Total to Date Applied	67	33	70	146	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	21	11	11	14	8	27
December	4	0	0	0	0	0
Total to Date Applied	83	21	20	47	15	52

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 9th and 10th of October.

Management Summary

- Rotation length at present is 24 to 26 days.
- 3 paddocks have been locked up on both sides for silage.
- Irrigation started – a small amount for 1 round then stopped. Currently no measurements for Waiora – but we are working on this.
- Irrigation K-lines and pivots as per moisture meter.
- Maintenance fertiliser is 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 this season is to have both farms put on no more than 100kg/ha of N for the season.
- To date 8/11/17 the spend for fertiliser on 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 – 6600L for the week on Whakapono and 7000L for the week on Waiora.
- Calves still on farm – the first 80 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?