

Backtrack Dairies

Week ending 19th October 2016

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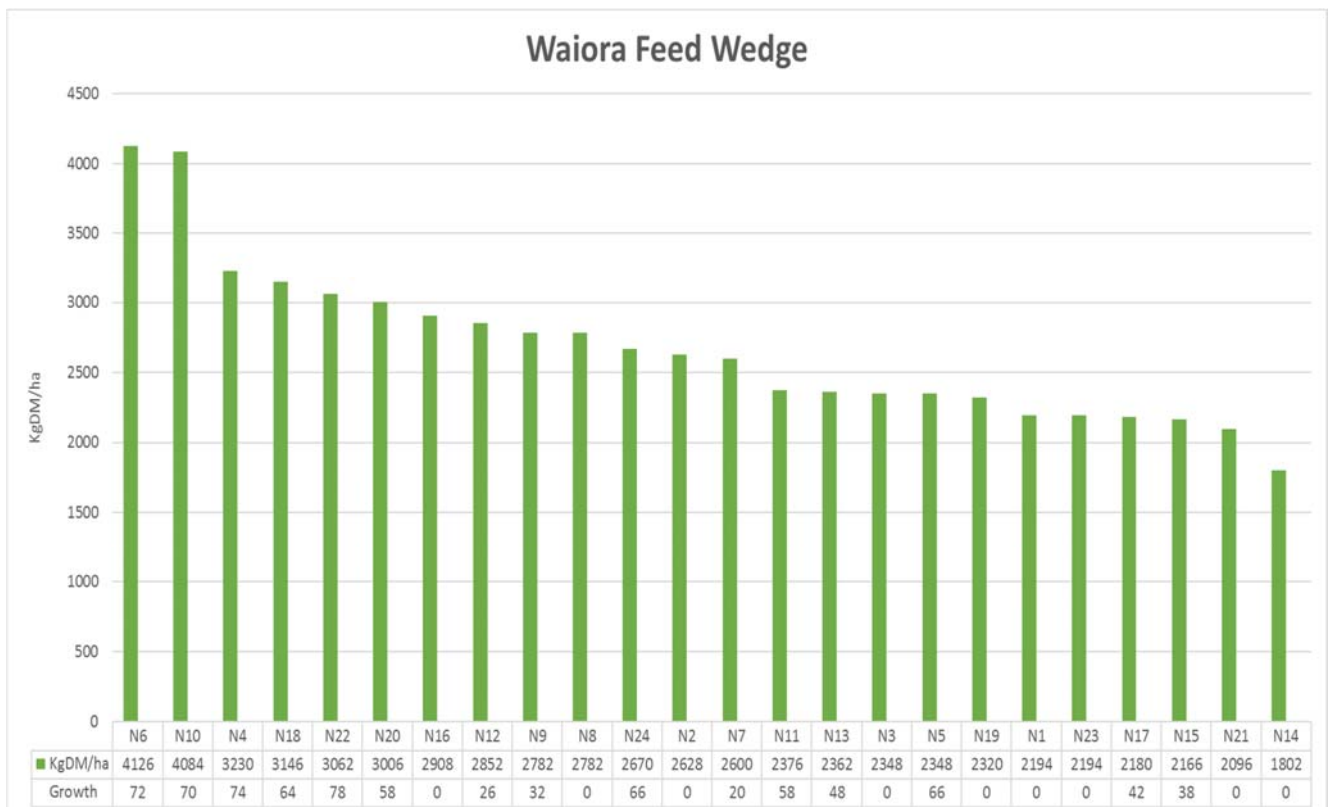
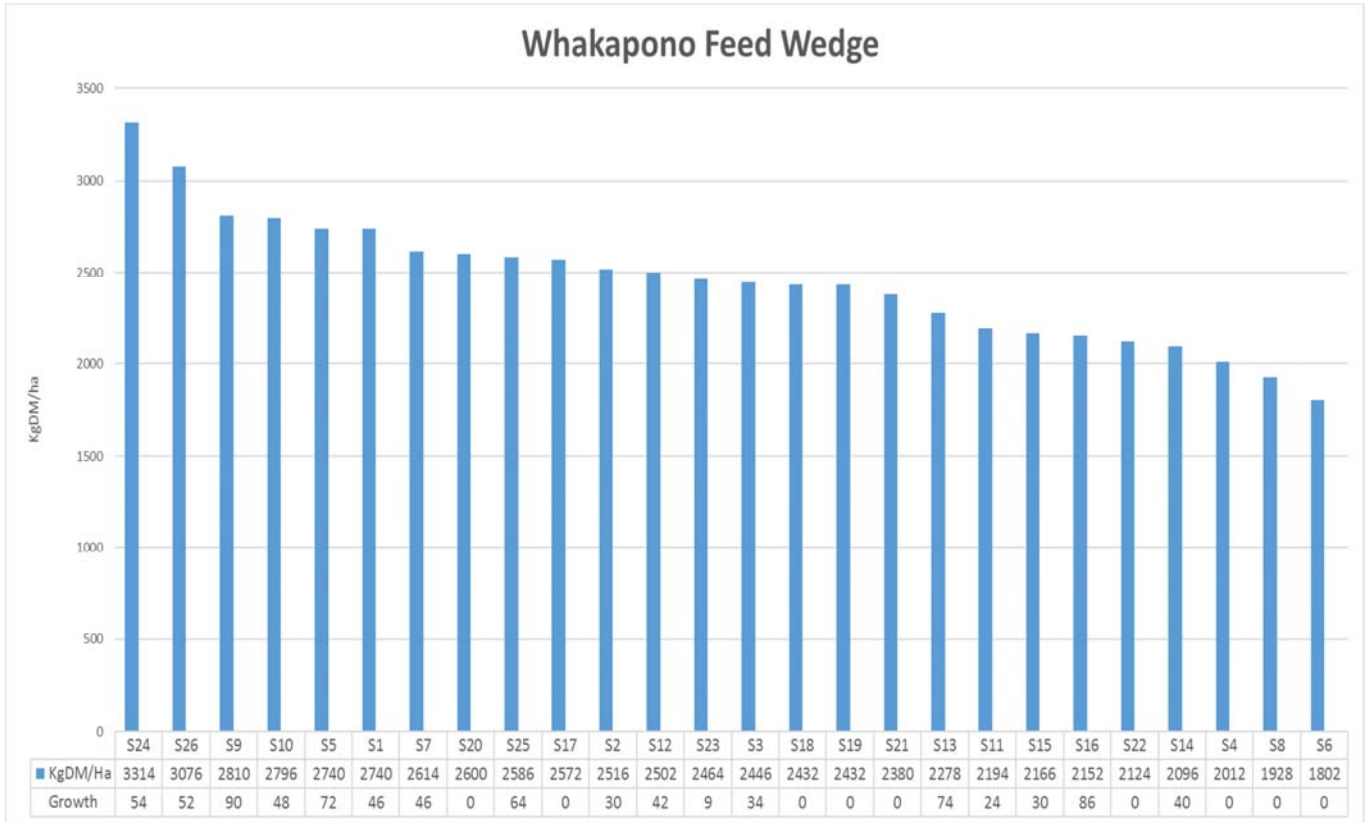
Two farming systems. One Kinsey-Albrecht (Whakapono) and one conventional (Waiora). Both farms have a stocking rate of 3.1 cows/ha at peak.

Week Ending	12/10/16		19/10/16	
	Whakapono	Waiora	Whakapono	Waiora
Backtrack Dairies				
Farm grazing ha	155	210	155	210
Peak Cows	478	647	478	647
Stocking Rate (cows in milk/ha)	3.0	3.0	3.1	3.1
Cows in Milk	478	631	486	639
% of cows in Sick Herd	1.0	1.3	1.6	1.1
Cows in Vat	454	592	465	612
Ave. Pasture Cover	2416	2712	2453	2723
Ave. Pasture Growth	59	68	47	48
Area Grazed	5.34	7.00	6.44	8.20
Grazing Interval	25	25	24	26
Pasture Intake (est kgDM/cow)	20	19	20	20
Grass Silage Fed (kgDM/cow)	0	0	0	0
Grain/PKE Fed (kgDM/cow)	1.0	1.0	1.0	1.0
Total Fed KgDM/cow	21	20	21	21
Milk Solids (Kg/cow/day)(inclu calf milk)	2.22	2.26	2.26	2.27
MS/ha/day	6.04	5.97	6.36	6.18
Nitrogen applied (kg N/ha)	26	30	26	30
Rainfall (mm for week)	11	11	35	35
Irrigation applied	0	0	0	0
Soil Temperature at 9am	12	11	12	11
Soil Moisture (between 65-76%)	57	78	71	83
Cell count (000's)	184	134	156	133
Mastitis Cases (%)	0.6	0.6	0.0	0.8
Lameness Cases (%)	0.0	0.3	0.2	0.3
Body Condition Score	4.55	4.66		
Totals To Date				
Milk Solids to factory	43810	57661	50707	66750
Milk Solids inclu calf milk	46033	60793	53623	70796
MS/ha	281	273	326	316
MS/cow (peak cows)(inclu calf milk)	96	94	112	109
Nitrogen applied (kg N/ha)	24	30	26	30
Supplements Fed (kg/cow)	121	129	128	135
Deaths %	0.8	1.7	0.8	2.2
Culls %	2.7	1.7	2.7	1.7

Summary

- Average pasture cover on Whakapono at the end of week October 5th was estimated at 2416 kgDM/ha has increased slightly to 2453 kgDM/ha so growing about demand. Waiora had an estimated cover of 2712 kgDM/ha and has held at 2723 kgDM/ha. Looking to make two paddocks for silage on Waiora.
- Growth rates of 47 on Whakapono below demand (60) and 48 on Waiora with cover still 200 above ideal for this time of year but bearing in mind growth is below demand (60).
- Cold wet conditions (35mm) over the last week have put a dampener on growth rates but also meant irrigation has not been required and still none to date.
- Will need to up the grain/PKE to 2 kg if growth remains like this or feed off silage paddocks.
- 1125 cows calved in total with 12 MT drys culled and 20 young carry overs kept on farm.
- Ended up with 70 -80 cows short of last season's peak numbers as a result of our higher MT rate last season.
- Haven't been dusting lime flour or causmag to colostrums and milkers. This is to see what happens on each farm in terms of metabolics which so far have Whakapono (3%) having less than half as many cases in the calvers/colostrums compared to Waiora (6%) and even less in the milkers (0%) vs (0.3%), especially on the second round.
- Recent spate of grass staggers on Waiora with cows down every day in both herds and four deaths meant we have started dusting on that farm.
- Whakapono has recorded three cows down in the milkers over the whole spring and only two recently which appear to be more of a phosphorous case as cows are bright and respond quickly to treatment so significant advantage there.
- Cows milking well around 2.26 kgMS/cow, slightly below last season peak per cow production of 2.4kgMS/cow but we also calved a week later this season which has meant we finished feeding silage earlier.
- Pastures appear to have enough, but with low DM (<15%) cows are not able to consume enough to reach their potential.
- 500 calves including 50 SG Herefords and bobbies on 5 litres means 2500 litres per day is needed, which is 1100 litres from Whakapono and 1400 litres from Waiora to calves.
- Fertiliser to date on Whakapono has been a full spring mix tailored for each paddock containing on average N 26, P 15, K 24, S 50 with varying amounts of dolomite and lime according to the amount required based on the soil test for that paddock.
- Waiora has received 100 kg/ha of Ammo 30N following the cows which has 30N and 14S. This has had a massive response given the good growing conditions experienced over the last two weeks.
- Waiora's wedge shows the burst of extra growth requiring silage to be closed up in three highest paddocks totalling 26ha, which is around 12% of effective area of 210ha.
- Whakapono will have to graze its two highest paddocks 22/24 which were lined up for silage as a pre-grazing of 3000kgDM/ha is required at this stocking rate with 19kgDM/cow intake.

Feed Wedges – 17th Oct



Animal Health

	Whakapono	Waiora
No of Mastitis Cows	0	5
No of Lambe Cows	1	2
Sick Herd %	1.6	1.1