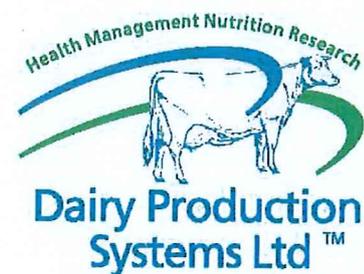


Saturday, 9 July, 2016



Nick Tomsett
Otautau

Peter Cook
Oil Seed Products

Dear Nick & Peter

Points:

1. The cows are looking good excellent Rumen capacity and on target for condition score.
2. The heifers though of good height are under done about a condition score light.
3. If any look to be struggling after calving place them on once a day and leave them in the milking herd.
4. Pre-graze mowing started September and ended in March/April. Pasture harvest this year was exceptional at 14.4t DM/ha of excellent quality pasture.
5. You have milked to June 14th without jeopardizing pasture cover or cow condition well done. This has put 6,000 kg MS ahead before calving starts.
6. First round milkers is for the cows, following with the springers to tidy up works well and reduces the risk of milk fever.
7. Liveweight for the herd finished at 510 kg.

Supplements on hand

Grass Silage	Stack	94t DM
July 9th	Stack	40t DM
	30 x 240 kg	

Hi Starch	\$515 DOF	190t
DDG	\$445/t DOF	240t
Wheat/Barley 30/70	\$369/t DOF	

Production Target

2015	152,086 kg MS
2016	168,000 kg MS

Stock Inventory

Total cows	285
R2s	39
R3s	50
Adults	196

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Ration

Effective area	78 ha
Grazing area	78 ha
Rotation	22 days
Pasture demand	54
PGR	50+ kg DM/ha/day

Herd	Springers	Milkers	
Number		Initially	then to
Area per day			
Area per cow sqm	Following	150sqm	140sqm
Pre graze mass	2000	2800	2800
Post graze mass	1500	2000	1600
Harvest	500	800	1200
Pasture intake kg DM/d	6.0	14.0	16.0
Hi Starch Pellet (DM 90%)	1.75	3.5	3.5
DMI	1.57	3.15	3.15
DDG (DM 90%)	1.5	3.0	3.0
DMI	1.4	2.7	2.7
Grass Silage			
DMI	3.0	1.0	1.0
Wraps	1/240		
DMI	1.0	(1.0) Colostrums	
Total DMI	13.0	20.0	22.5
CaS	25g	50g	
Salt	25g	50g	
MgO	25g	50g	
Lime Flour		100g after CaS	

In line	
DairyMin 5	2.5mls
Pro dairy	5-10mls

Colostrums to be well looked after ad lib pasture and wraps available at all times. Even dusting with Lime Flour for extra calcium. Fresh calvers are in need of extra calcium so if any cow comes in over 5 years and looks at all off bag herd with straight CBG.

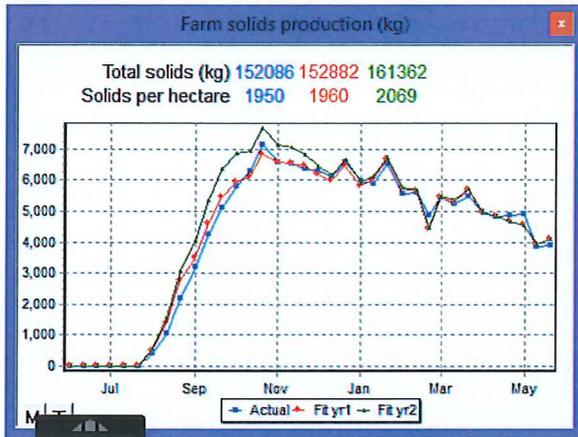
All fresh cows to get B12 injection plain 10mls

Heifers with udder oedema before calving, milk them out.

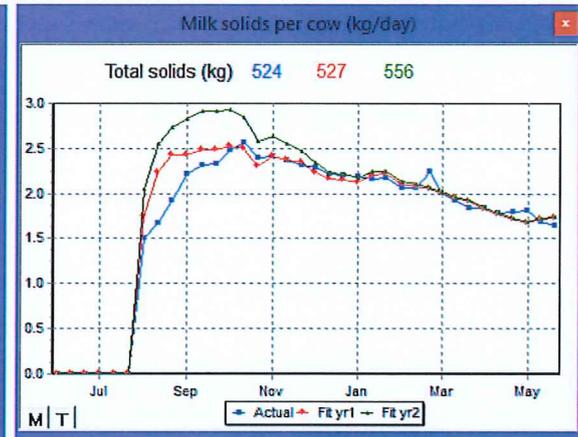
Calving Cows

1. Cows onto springer ration from 3-4 weeks out from calving.
2. Calves picked up twice a day at least and more if weather is bad.
3. Springers to get walked daily at least 500m.
4. Calve cows are milked ASAP after calving. More than 12 hours and the risk of mastitis and milk fever goes up 3X.
 - a. Quarters checked and milked out ASAP after calving
 - b. Teat spray before and after milking
 - c. B12 injection 8-10 mls
 - d. Bag/drench any cows you are worried about selectively especially older cows
 - e. Calving drench/Bag any at risk cows
 - i. Twins
 - ii. Older > 5 years better conditioned higher producing cows
 - iii. Stressed cows
 - iv. Into the colostrum herd
5. Colostrums
 - a. To get PKE in a trailer (lime flour 100g) in the paddock next to the trough if you have any issues with these cows.
 - b. Watch for signs of SAD cows
 - i. Treat
 1. B12 10ms again
 2. Calving drench daily or MPG 500ml daily for 3 days until eating well again
 3. Milk only once a day until eating well
 - c. Fence away from the gate way but do not restrict intakes
 - d. Graze to 1800 residuals then move on
 - e. They can graze the same non-effluent area over and again
6. Milkers
 - a. To give them pasture 14 kg DM
 - b. Get through the round reasonably quickly
 - c. Hold the wraps over the first round and keep for the second round.
 - d. Grass silage to be used to handle rumen adaptation to the milker's ration. Make up for storms etc and if pasture is short
7. PKE can be used if pasture intakes are not up to spec.

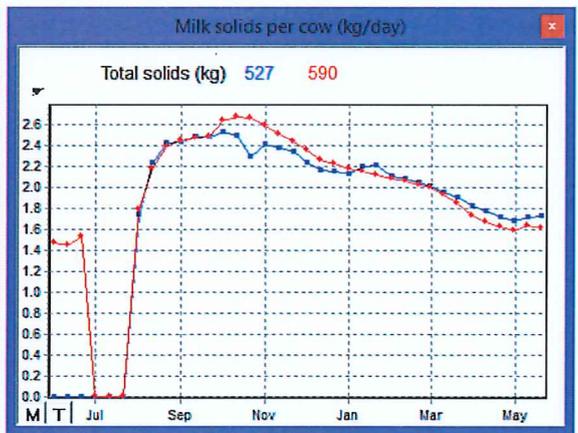
Production Budget for OSP DEMO FARM
 Blue Actuals 2015-16 Red Projections for 2015-16
 Milk Solids



Per Cow



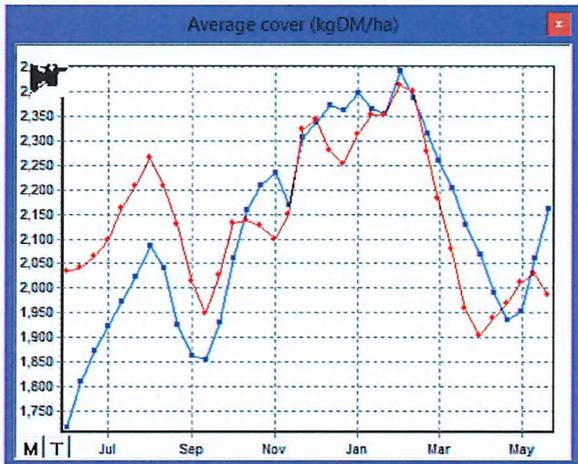
Blues 2015-16 Reds 2016-17



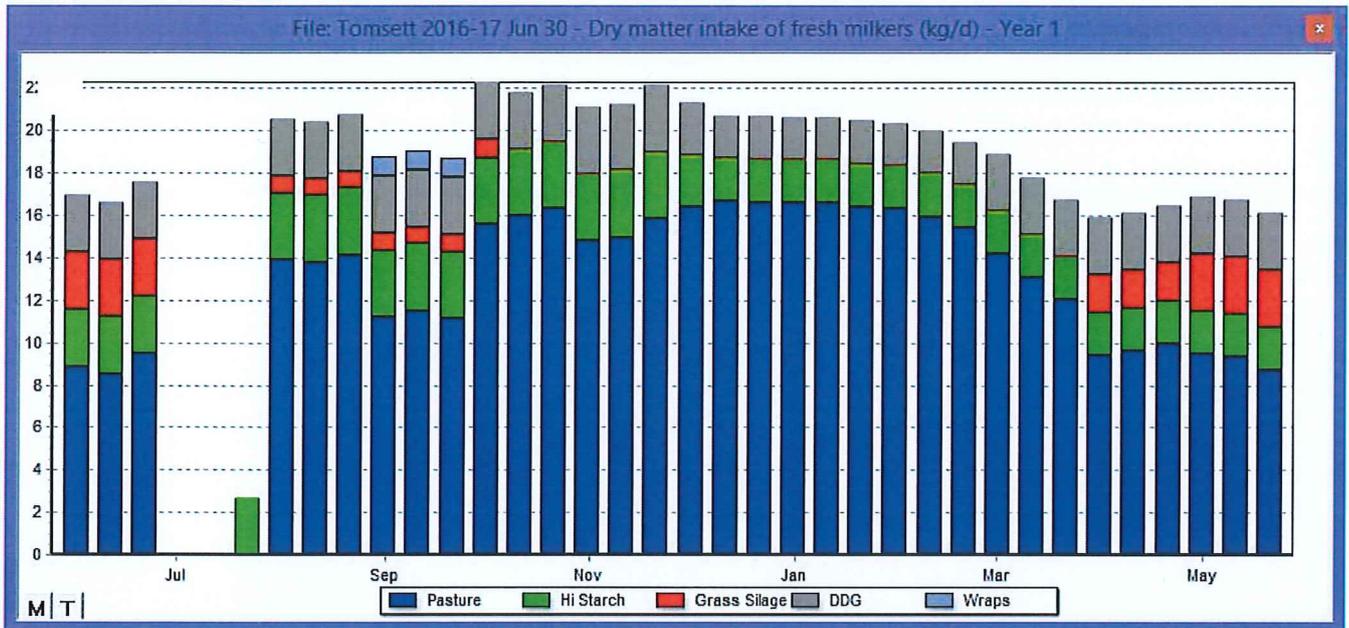
Cows Milking



Predicted Pasture Cover



DMI Milkers 2016-17



Summary

Total 2015-16 Final-1

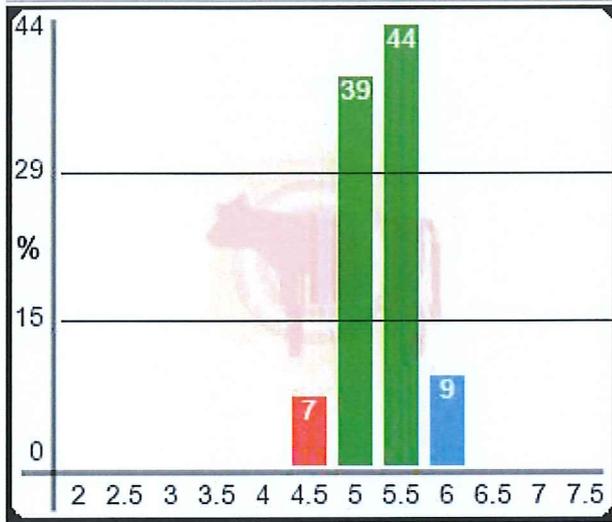
Farm area (ha)	78.0
No of cows	290
Solids (kg)	152882
Dry matter cut (t)	46.1
Nitrogen used	22
\$/kg Solids	4.42
Milk Income	676051
Feed costs	348286
Inc less feed	327765
Variable costs	469300
Gross margin	206751
Hi Starch (t)	219
Grass Silage (t)	73
Whole Crop Silage	0
Straw (t)	4
DDG (t)	233
CDS (t)	26
PKE (t)	63
Kale (t)	35
Feed 9 (t)	0
Feed 10 (t)	0
Feed 11 (t)	0
Feed 12 (t)	0

Total 2016-17 Jun 30-1

Farm area (ha)	78.0
No of cows	285
Solids (kg)	168105
Dry matter cut (t)	66.8
Nitrogen used	22
\$/kg Solids	4.41
Milk Income	741095
Feed costs	296423
Inc less feed	444672
Variable costs	416807
Gross margin	324288
Hi Starch (t)	231
Grass Silage (t)	86
Whole Crop Silage	0
Straw (t)	0
DDG (t)	236
CDS (t)	0
PKE (t)	0
Kale (t)	0
Wraps (t)	12
Feed 10 (t)	0
Feed 11 (t)	0
Feed 12 (t)	0

Current Position

Cow Condition	Average	3.0	3.5	4.0	4.5	5.0	5.5	6.0
2015								
Aug 1 st	5.0							
Oct 21 st	4.6		1%	19%	43%	32%	5%	
2016								
Mar 3 rd	4.7							
July 9 th	5.28				7%	39%	44%	9%
Rumen Fill	Average	1.0	2.0	3.0	4.0	5.0		
Oct 21 st	4.6			2%	36%	62%		
July 9 th	5.0							



DPS - Dries OSP

Tally **54** Avg Score **5.28**

Pasture Cover

Jun 1 st 2015	1710 kg DM/ha	Soil temp 8 degrees
July 10 th	1900 kg DM/ha	Soil temp 6 degrees
Aug 1 st	1900 kg DM/ha	Soil temp 6.5 degrees
Oct 21 st	2275 kg DM/ha	Soil temp 11 degrees
Dec 9 th	2300 kg DM/ha	Soil temp
Mar 1 st 2016	2250 kg DM/ha	Soil temp 16 degrees
July 9 th	2250 kg DM/ha	Soil temp 4 degrees

Historical Dairy

2015

June 1st 140 cows on crop
July 25th Culled 2 cows Abortions
July 31st 45 cows home
Aug 1st 14 hfrs home
Aug 10th 100 cows home
Aug 10th Culled 3 cows Abortions
Aug 15th SOA 12t applied
Aug 20th 71 cows off (away until 27th)
Aug 27th 50 lates off (away until Sep 7th)
Sep 15th Urea 6t
Oct 3rd R3 338 kg LWT
Oct 10th Culled 2 cows
Oct 21st Tail painted herd
Oct 22nd PSM 280 cows BCS 4.6
Oct 25th Urea to follow the cows 80 kg/ha
Nov 1st Silage harvested 7 ha Stack brought in 60t DM @ 30c/kg DM covered
Nov 4th Super10 400 kg/ha whole farm 23t
Nov 9th Culled 4 cows
Dec 4th Grazed new grass
Dec 5th Urea following the cows 55 @ kg/ha 72 ha
Dec 7th Bulls into the herd
Dec 20th Culled 3 cows
Dec 20th Wraps taken 50 x 12s off 8 ha
Dec 30th Scanned herd

2016

Jan 10th Bulls out
Jan 15th Urea following the cows 80 @ kg/ha 72 ha
Jan 10th PKE 11t
Jan 31st PKE ended
Feb 1st DO 2 cows
Feb 10th Liners changed
Feb 20th DAP 145 kg/ha whole farm (12t)
Feb 23rd Scanned rechecks 16% MT
Feb 20th Herd 493 kg LWT
Mar 1st Herd 483 kg LWT (R3 403 kg LWT)
Mar 10th Lime 400 kg/ha whole farm
May 10th Herd 510 kg LWT
Apr 9th Urea 90 kg/ha following cows
Apr 15th Wraps made 600/ha 20 bales from 8 ha
May 12th Urea ended 10t applied
May 12th Culled 45 cows
May 27th Culled 13 cows
May 31st Culled 8 cows
May 31st Returned 11 lease cows
June 1st Milking 196 Dries 0 Hfrs 39
June 1st Hfrs 39 grazing off farm next door
June 5th Scanned herd 6 MTs
June 8th DO 80 cows DCT/TS (Dryclox DC)
June 9th Dries onto the crop with wraps
June 24th DO herd DCT/TS 28 did not dry off well
June 24th Brought 50 R3 June 1st cows to come home Aug 1st
June 24th Grazed off 50 cows LC
Aug 1st R3s to come home

Aug 30th LC come home

Any queries please do not hesitate to call me.

Next visit Sep 2016.

Regards

Bryan McKay
Dairy Production Systems Ltd