

Monday, 10 October, 2016



Nick Tomsett
Otautau

Peter Cook
Oil Seed Products

Dear Nick & Peter

Points:

1. The cows are looking variable
 - a. Small heifers have struggled
 - b. New cows have lost more condition and had more troubles than your own cows from last year.
 - c. The Samen heifers look excellent and have settled well
2. Suggest you B12 inject the smaller heifers with rough coats and new cows.
3. Place a wrap on the pad for access after milking
4. Continue mowing as you have been as we want 19 kg DM from pasture please.
5. Target to hold milk yield at 2.4 kg MS sold/cow/day
6. Live weight for the herd average currently are 470 kg LWT.
7. Watch cow's on heat they are at risk of MF especially the high producers
8. Pasture growth has and is extremely high at these PGR you only need to following intervals to recover the grazed cover.

PGR	60	70	80	90	100
Days	23	20	17.5	15.5	14

Pasture down the cow's throat first before silage.

Supplements on hand

Grass Silage	Stack	94t DM
July 9th	Stack	40t DM
	30 x 240 kg	
Oct 10th	Stack	8t DM
	22 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

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Stock Inventory

Total cows	285
Milking	273
Reds	4
Springer	8
R2	64
Beefies	5

Ration

Effective area	77 ha
Grazing area	77 ha
Rotation	21 days
Pasture demand	61
PGR	75+ kg DM/ha/day

Herd	Milkers
Number	269
Area per day	3.6 ha
Area per cow sqm	133sqm
Pre graze mass	3000
Post graze mass	1600
Harvest	1400
Pasture intake kg DM/d	18.74

Hi Starch Pellet (DM 90%)	2.77
DMI	2.5

DDG (DM 90%)	2.22
DMI	2.0

Total DMI	23.2
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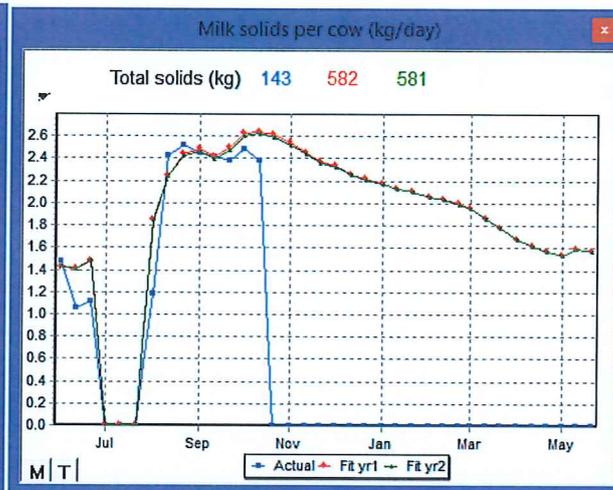
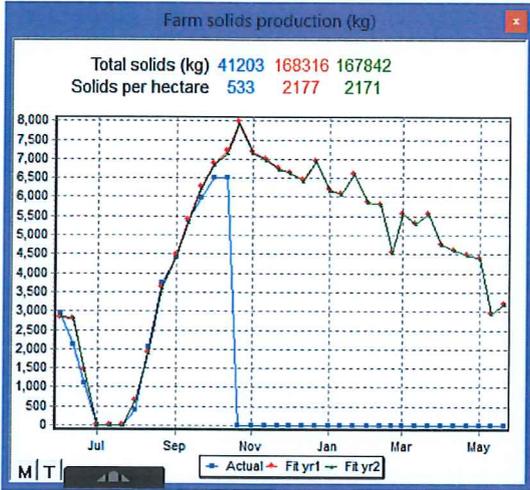
Salt	10 kg	37g
MgO	10 kg	37g
Lime Flour	20 kg	74g

In line	
DairyMin 5	2.5mls
Prodairy	5-10mls
MgC	30g

Production Budget for OSP DEMO FARM
 Blue Actuals 2016-17 Red Projections for 2016-17

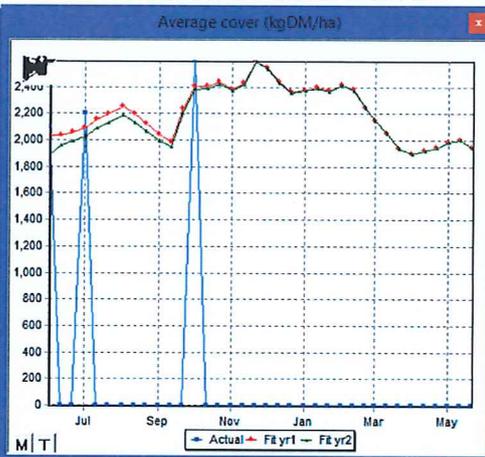
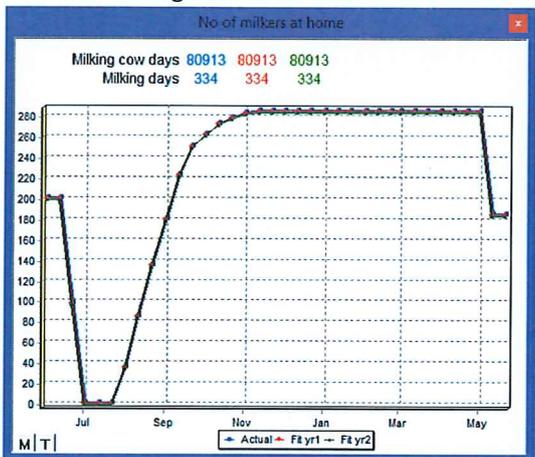
Milk Solids

Per Cow

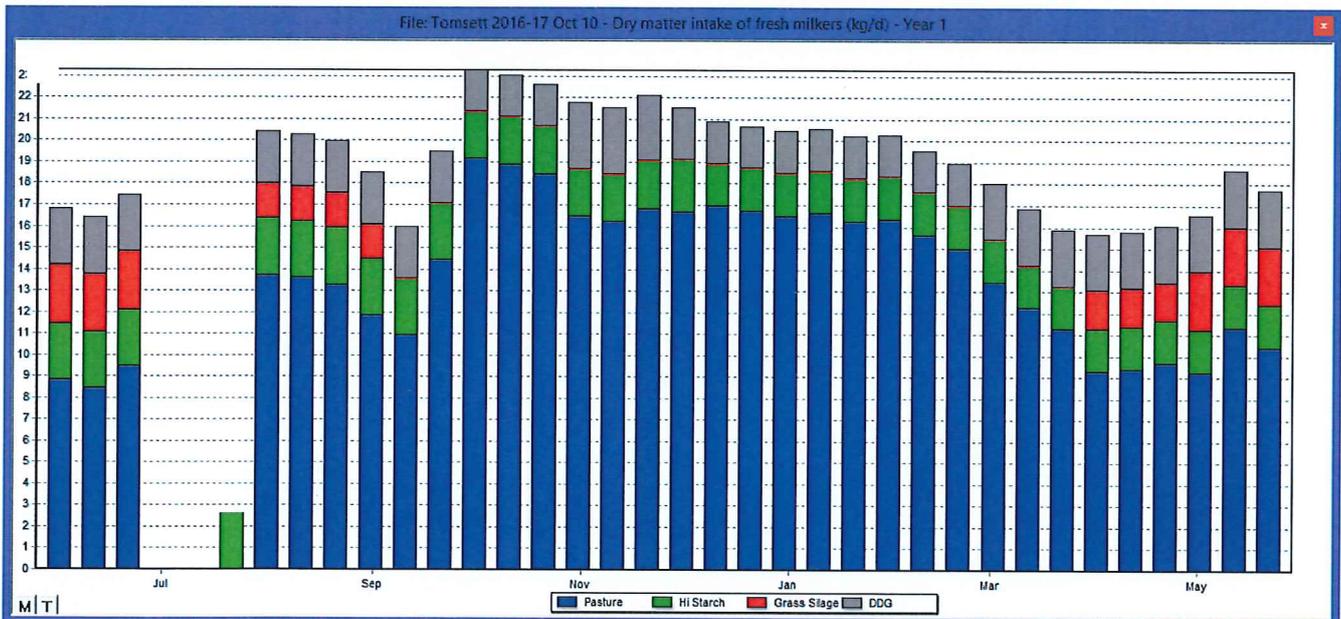


Cows Milking

Predicted Pasture Cover



DMI Milkers 2016-17



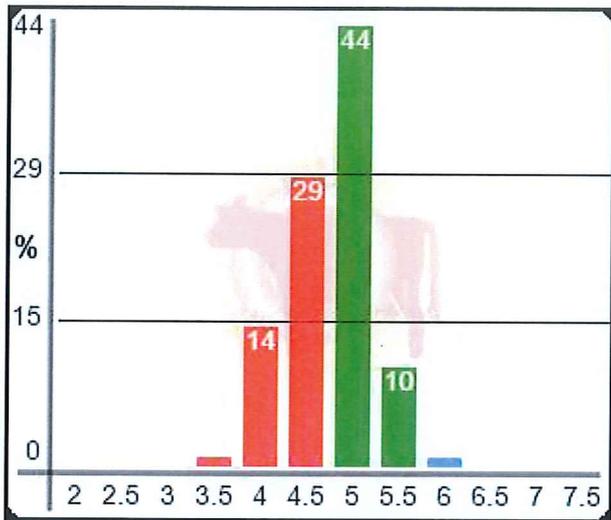
Summary

 **total** | 2016-17 Oct 10-1

Farm area (ha)	77.3
No of cows	289
Solids (kg)	168316
Dry matter cut (t)	67.0
Nitrogen used	21
\$/kg Solids	5.54
Milk Income	932155
Feed costs	287368
Inc less feed	644786
Variable costs	407498
Gross margin	524656
Hi Starch (t)	212
Grass Silage (t)	84
Whole Crop Silage	0
Straw (t)	0
DDG (t)	232
CDS (t)	0
PKE (t)	0
Kale (t)	0
Wraps (t)	5

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%
Oct 10 th	4.76		1%	14%	29%	44%	10%	1%



Tonsett_Nick_DPS - Milkers

Tally Avg Score

Rumen Fill	Average	1.0	2.0	3.0	4.0	5.0
Oct 21 st	4.6			2%	36%	62%
2016						
July 9 th	5.0					
Oct 10 th	4.6					

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
Oct 10 th	2600 kg DM/ha	Soil temp 12 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 (40)
Aug 15th SOA 150 kg/ha following cows
Aug 15th LC home (35)
Aug 24th LC home (15)
Sep 17th First round ended
Sep 20th Calf milk 100 litres
Sep 20th DAP 150 kg/ha Sulphurgain30 20 kg/ha
Sep 22nd Pre-graze mowing started
Oct 9th Baleage cut 7 ha
Oct 10th LWT average 470 kg

Any queries please do not hesitate to call me.

Next visit Dec 2016.

Regards

Bryan McKay
Dairy Production Systems Ltd

OSP DEMO	Affected	At risk	2016-17	2015-16	Average	No. Herds	Target	Trigger
Herd Details								
Total Cows on Board June 1st			285					
Total Cows To Calve			285	290				
Mature Cow LWT			530	530				
Hfr LWT as % Adults -60 days			83%	74%			90%	80%
R1 Mating LWT % Adults							65%	55%
Weaning LWT % Adults			17%				20%	15%
Survival of Last Season's Heifers							90%	75%
Calving analysis								
PSC Heifers								
Heifer Replacement Rate	125		01-Aug-16	01-Aug-15				
Calving to mid point			13.7%	4.8%	22%	43	20%	25%
Heifers Calved by 6 weeks	0		0%	8%	9	11	10	18
Abortions/Wet-Dries in Heifers	0		0.0%	0.0%	92%	9	90%	75%
PSC Adults								
BCS at Calving	482		01-Aug-16	01-Aug-15				
Calving to mid point			5.40	5.00			5.00	4.50
Cows calved by 4 weeks	0		0	31	17	8	18	25
Abortions/Wet-Dries in Cows	0		0.0%	3.6%	84%	9	85%	70%
Inductions Total Cows	0		0.0%	0.0%	1.4%	36	2%	5%
					0.1%	43	5%	10%
Health Problems								
Calving Assists	2	767	17.5%	6.9%	3.0%	38	2%	10%
Twins	2		3.5%	0.0%	1.7%	38		
Retained Cleanings	6		4.2%	2.1%	1.4%	39	2%	5%
Calves Born Dead	6		5.3%	5.2%	3.3%	31	5%	10%
Milk Fever	10		5.3%	2.4%	3.2%	39	2%	5%
Metabolic Disorders	0		0.0%	0.7%	0.2%	0	2%	5%
Other Diseases	0		0.7%	0.0%	0.2%	37	2%	5%
Total Deaths	4		1.4%	1.0%	1.3%	42	2%	5%
Mating Analysis								
PSM								
Cows to mate			23-Oct-16	21-Oct-15				
BCS at mating			281	276			4.50	4.00
Metricure Treated			4.76	4.60			3%	10%
Aneostrus Treated				0.0%	6%	24		
Before Mating Start	0			0	1%	0		
In First Three Weeks	0			0%	0%	0		
After Three Weeks	0			0%	0%	0		
Total Treated	0			0.0%	1%	31	10%	25%
Submission Rate								
Submission Rate 3 Weeks				55%	90%	2	90%	80%
Submission Rate 4 Weeks				68%	93%	1	95%	85%
Bulls Run With Herd								
Bulls Withdrawn				07-Dec-15				
Mating Period Weeks				10-Jan-16				
Pregnancy Tested				11.6	9.9	2	12	15
				30-Dec-15				
BCS at Lo Point								
BCS at Dry Off				4.60		0	4.5	4
				4.90	4.80	1	4.5	4
Herd In Calf Rate								
One Week Herd In Calf Rate	0			11%	0	15%	5%	
Two Week Herd In Calf Rate				26%	0	31%	21%	
Three Week Herd In Calf Rate				39%	0	46%	36%	
Four Week Herd In Calf Rate				45%	0	56%	46%	
Five Week Herd In Calf Rate				53%	0	66%	56%	
Six Week Herd In Calf Rate				59%	0	75%	65%	
Seven Week Herd In Calf Rate				66%	0	80%	70%	
Eight Week Herd In Calf Rate				76%	0	84%	74%	
Nine Week Herd In Calf Rate				79%	0	88%	78%	
Ten Week Herd In Calf Rate				81%	0	90%	80%	
Eleven Week Herd In Calf Rate				82%	0	92%	82%	
Twelve Week Herd In Calf Rate				84%	0	94%	84%	
Thirteen Week Herd In Calf Rate					0	95%	85%	
Fourteen Week Herd In Calf Rate					0	96%	86%	
Fifteen Week Herd In Calf Rate					0	97%	87%	
Sixteen Week Herd In Calf Rate					0	98%	88%	
Cows Not In Calf	0			16.0%	0	10%	15%	
Mastitis								
Dry Cow Mastitis Incidence								
Calving Mastitis Heifers Day 0-5	13	39	33.3%	21.4%	4.1%	41	4%	8%
Calving Mastitis Adults Day 0-5	13	246	5.3%	5.4%	3.2%	39	4%	8%
Monthly Mastitis Incidence Day 5+								
June	0	285	0.0%	0.0%	0.1%	41	1%	2%
July	0	285	0.0%	0.0%	0.4%	41	1%	2%
August	0	285	0.0%	0.0%	1.4%	33	1%	2%
September	2	285	0.7%	2.5%	1.5%	27	1%	2%
October	0	285	0.0%	0.7%	1.0%	7	1%	2%
November	0	285	0.0%	2.1%		0	1%	2%
December	0	285	0.0%	1.4%		0	1%	2%
January	0	285	0.0%	0.0%		0	1%	2%
February	0	285	0.0%	4.0%		0	1%	2%
MarX	0	285	0.0%	0.7%		0	1%	2%
April	0	285	0.0%	0.4%		0	1%	2%
May	0	285	0.0%	0.4%		0	1%	2%
Annual Mastitis Incidence	28	285	9.8%	12.1%	6.7%	43	10%	20%
Average BMSCC								
			164000	127000	168529	34	100000	250000
Lame Cow Interventions								
June	0	285	0.0%	0.0%	0.2%	40	2%	4%
July	0	285	0.0%	0.0%	0.4%	40	2%	4%
August	1	285	0.0%	1.1%	1.3%	34	2%	4%
September	2	285	0.0%	1.8%	1.3%	29	2%	4%
October	0	285	0.0%	1.4%	2.5%	8	2%	4%
November	0	285	0.0%	2.1%		0	2%	4%
December	0	285	0.0%	0.0%		0	2%	4%
January	0	285	0.0%	0.4%		0	2%	4%
February	0	285	0.0%	0.4%		0	2%	4%
MarX	0	285	0.0%	0.4%		0	2%	4%
April	0	285	0.0%	0.7%		0	2%	4%
May	0	285	0.0%	1.4%		0	2%	4%
Annual Lame Cows Interventions	3	285	0.0%	9.3%	3.1%	43	15%	25%