

Lincoln University Dairy Farm - Farm Walk notes

Tuesday, 27th September 2011

CRITICAL ISSUES FOR THE SHORT TERM

1. Monitor average pasture cover and track against budget avoiding excess or inadequate cover.
2. Feed milkers, colostrums, and cows not yet calved as much as they will eat while maintaining post grazing residuals of 7 - 8 clicks as ground conditions will allow.
3. Avoid pasture damage by standing cows off if necessary.
4. Use back-fences on all herds whenever paddock grazing takes more than 36 hours.
5. Apply magnesium Oxide dust thoroughly to pasture being grazed by all MA cows 3 weeks from calving.
6. Closely observe cows for any signs of mastitis and metabolic conditions.
7. Establish and maintain very strict hygiene in the calf sheds.
8. Tail paint all cows and observing and recording cows on heat.

COMMENT

9. There are now 580 cows being milked into the vat. There are 170 cows in the first herd, mainly first calvers and 4 – 4.5 condition score MA cows, and 410 in the main herd. The two herds will be managed separately for the remainder of the season. The composition of the first herd will change as MA light cows from the main herd become lower in condition than cows in the herd already. It is not expected that the first herd will get many more than 200 cows in it.

Growing conditions

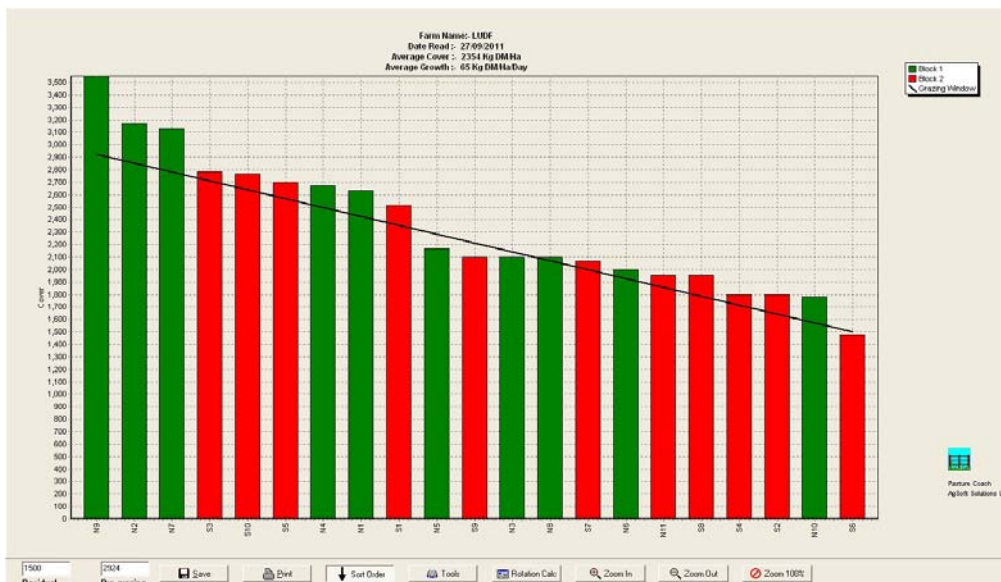
10. Pasture growth this last week has been 65 kg DM/ha day.
11. Soil temperatures at 9 am for the week have been warmer than last week averaging 8.3°C.
12. 7.2 mm rain has been recorded this week. The soils are drying slowly and irrigation equipment has been trialled in readiness to start watering as soon as the Aquaflex readings drop close to refill points.

Calving

13. There are 34 cows left to calve, these are grazing on the platform.

Feeding levels

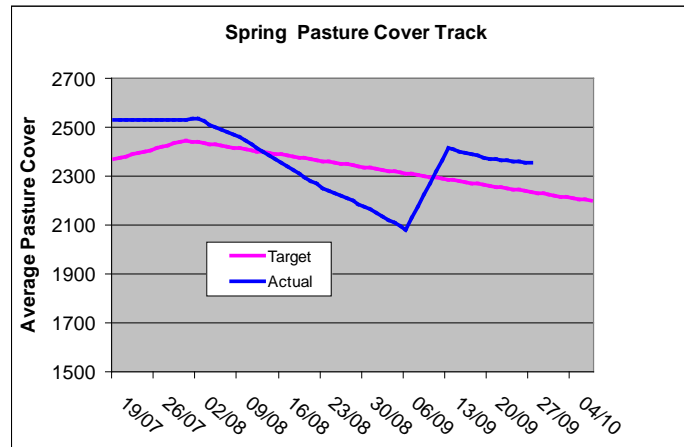
14. No silage has been required during the week. Grazing interval dropped from 31 days to 27 days and pre grazing levels at 3040kgDM/ha on average and average post grazing at 1550kgDM/ha.
15. The walk over weighing indicates that the cows lost 1 - 2 kg liveweight this last week.
16. The milkers need about 212 MJME to produce 2.12 kg MS, maintain themselves, and allow for a weight loss of 300grams/day. Our estimate is that the overall herd is eating about 16.7 kgDM of 12.6 MJME pasture per day.
17. Feed Wedge



18. Average cover [2354] is now above target [2236].

19. Cover track

This week's cover track



18. This week 40 units of nitrogen as Urea was applied to 32 ha and gibberellic acid was applied to 24.2 ha. We are expecting to keep applying gibberellic acid for another week as the feed budget is showing that in mid-October feed will not yet be in surplus.

Preparation for mating

19. By the end of 6 weeks calving there were 568 cows calved which is 88% of the peak herd [640] against a target of 87%.

Cows have been Metri-checked on 8th September and as a result 19 cows were treated

All cows have been tail painted in readiness for monitoring pre mating heats.

20. Jersey bulls have been purchased [7 weeks ago] they have been tested and vaccinated for BVD. They were selected on scrotal circumference in addition to the usual mating suitability criteria. They are currently at grazing being well fed.

LUDF Weekly report	6-Sep-11	13-Sep-11	20-Sep-11	27-Sep-11
Farm grazing ha (available to milkers)	160	160	160	160
	0/140/0	0/113/0	0/61/0	37/0/0
Culls (Includes culls put down & empties)	6	8	0	0
Culls total to date	8	16	16	16
Deaths (Includes cows put down)	1	0	2	0
Deaths total to date	2	2	4	4
Calved Cows available (Peak Number 640...)	506	539	584	605
Treatment / Sick mob total	7	7	0	6
Mastitis clinical treatment	4	7	1	4
Mastitis clinical YTD (tgt below 64 yr end)	26	33	34	38
Bulk milk SCC (tgt Avg below 150)	182	137	146	147
Lame new cases	0	1	2	4
Lame ytd	3	4	6	10
Lame days YTD (Tgt below 1000 yr end)	14	21	42	70
Other/Colostrum	0/24	0/31	0/23	0/19
Milking twice a day into vat	465	501	530	559
Milking once a day into vat	0	0	0	0
First herd	165	168	170	170
Main Herd	300	333	378	389

	6-Sep-11	13-Sep-11	20-Sep-11	27-Sep-11
MS/cow/day (Actual kg / Cows into vat only)	1.86	1.92	2.05	2.12
MS/cow to date (total kgs / Peak Cows 640)	25	35	47	60
MS/ha/day (total kgs / ha used)	5.30	6.00	6.80	7.42
Herd Average Cond'n Score	4.60	4.60	4.55	4.55
Monitor group LW kg WOW	462	467	460	458
Soil Temp Avg Aquaflex	7.0	8.0	7.4	8.3
Growth Rate (kgDM/ha/day)	24	74	52	65
Plate meter height - ave half-cms	11.3	13.7	13.4	13.2
Ave Pasture Cover (x140 + 500)	2082	2414	2370	2354
Surplus/deficit on feed wedge- tonnes	-34	32	17	21
Pre Grazing cover (ave for week)	3110	2863	3003	3042
Post Grazing cover (ave for week)	1550	1480	1480	1550
highest pregrazing cover	3600	2900	3200	3100
Area grazed / day (ave for week)	3.60	4.40	5.20	5.90
Grazing Interval	44	36	31	27
Milkers Offered/grazed kg DM pasture	0.0	0.0	16.8	17.0
Estimated intake pasture MJME	0	0	211	211
Milkers offered kg DM Grass silage	4	4	0	0
Silage MJME/cow offered	46	50	0	0
Estimated intake Silage MJME	39	43	0	0
Estimated total intake MJME	0	0	211	211
Target total MJME Offered/eaten (includes 6% waste)	0	0	215	216
Pasture ME (pre grazing sample)	12.8	12.6	12.7	0.0
Pasture % Protein	18.0	19.8	18.3	0.0
Pasture % DM - Concern below 16%	21.8	20.7	21.0	0.0
Pasture % NDF Concern < 33	35.3	33.8	37.1	0.0
Supplements fed to date kg per cow (640 peak)	9.3	25.1	27.4	27.4
Supplements Made Kg DM / ha cumulative	0	0	0	0
Units N applied/ha and % of farm	36units/15%	0	36units/32%	36units/20%
Kgs N to Date (whole farm)	0	0	0	0
Kgs/ha N to Date (on the NON-effluent area 128ha)	25	25	39	52
Rainfall (mm)	7	2	6.6	7.2
Aquaflex topsoil avg reading tgt 33 -38	38-36	35-31	35-32	39-33

The next weekly farm walk will be on 4th October, at 9.00 am.

Farmers or their managers and staff are always welcome to walk with us. Please call to notify us of your intention and bring your plate meter. Phone SIDDC – 03 325 3629.

Management Group

Peter Hancox (Farm Manager), George Reveley (for SIDDC), Steve Lee (DairyNZ).

Lincoln University Dairy Farm - Farm Walk notes

Tuesday, 20th September 2011

CRITICAL ISSUES FOR THE SHORT TERM

1. **Monitor average pasture cover and track against budget avoiding excess or inadequate cover.**
 2. **Feed milkers, colostrums, and cows not yet calved as much as they will eat while maintaining post grazing residuals of 7 - 8 clicks as ground conditions will allow.**
 3. **Avoid pasture damage by standing cows off if necessary.**
 4. **Use back-fences on all herds whenever paddock grazing takes more than 36 hours.**
 5. **Apply magnesium Oxide dust thoroughly to pasture being grazed by all MA cows 3 weeks from calving.**
 6. **Closely observe cows for any signs of mastitis and metabolic conditions.**
 7. **Establish and maintain very strict hygiene in the calf sheds.**
 8. **Tail paint all cows and observing and recording cows on heat.**
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COMMENT

9. There are now 548 cows being milked into the vat. There are 170 cows in the first herd, mainly first calvers with some light MA cows, and 378 in the main herd. The two herds will be managed separately for the remainder of the season. The composition of the first herd will change over time.

Growing conditions

10. Pasture growth this last week has been 52 kg DM/ha day, a bit less and more in line with expectations than last weeks 74kg DM/ha day.
11. Soil temperatures at 9 am for the week have been slightly cooler than last week, averaging 7.4°C.
12. 6.6 mm rain has been recorded this week. Despite this the soils are drying slowly and irrigation equipment will be trialled before the end of the week, in readiness to start watering as soon as the soil moisture equipment indicates its need.

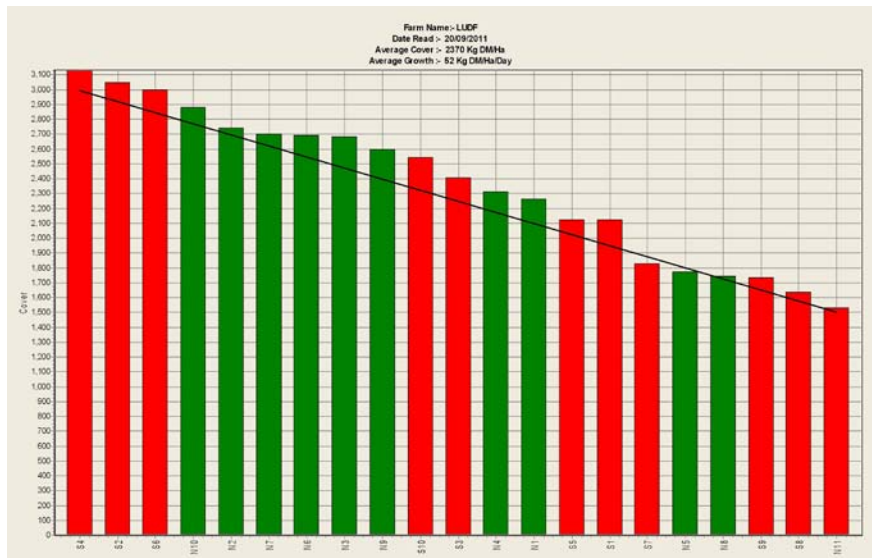
Calving

13. There are 61 cows left to calve, currently on the East Block.

Feeding levels

14. The priority has been to keep cows as well fed as we could manage. Silage was fed to the milkers in the main herd at 4.2 kg/cow for 1 day.
15. Feed quality has remained very high with energy levels averaging 12.7 MJME/kg DM this last week and DM 21%.
16. The walk over weighing indicates that the cows lost about 7 kg this last week, however we expect that most of this will be related to the removal of silage from the diet. Actual body weight loss may be closer to 1 - 2 kg.
17. The milkers need about 212 MJME to produce 2.05 kg MS, maintain themselves, and allow for a weight loss of 300grams/day. Our estimate is that the herd is eating about 16.7 kgDM of 12.7 MJME pasture per day.

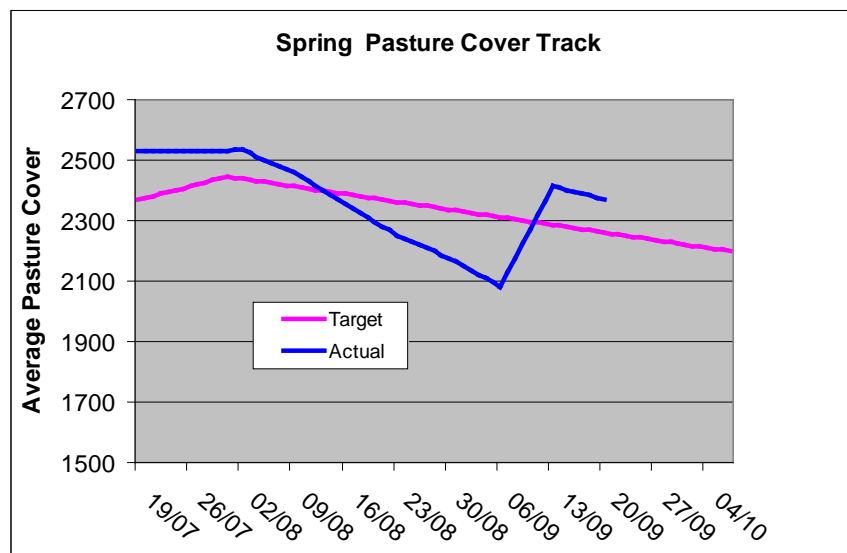
18. Feed Wedge



19. Average cover [2370] is now above target [2261].

20. Cover track

This week's cover track



18. This week 36 units of nitrogen [Ammo 36] was applied to 51 ha and gibberellic acid was applied to 31 ha. We are expecting to keep applying gibberellic acid for the next 2 weeks as the feed budget is showing that in mid-October feed will not yet be in surplus.

Preparation for mating.

19. By the end of 6 weeks calving there were 568 cows calved which is 88% of the peak herd [640] against a target of 87%.

Cows were Metri-checked on 8 September and as a result 19 cows were treated.

All cows have been tail painted in readiness for monitoring pre mating heats.

20. Jersey bulls were purchased [6 weeks ago] and have been tested and vaccinated for BVD. They were selected on scrotal circumference in addition to the usual mating suitability criteria. They are currently at grazing being well fed.

LUDF Weekly report	30-Aug-11	6-Sep-11	13-Sep-11	20-Sep-11
Farm grazing ha (available to milkers)	160	160	160	160
	180/0/0	0/140/0	0/113/0	0/61/0
Culls (Includes culls put down & empties)	0	6	8	0
Culls total to date	2	8	16	16
Deaths (Includes cows put down)	0	1	0	2
Deaths total to date	1	2	2	4
Calved Cows available (Peak Number 640...)	484	506	539	584
Treatment / Sick mob total	10	7	7	0
Mastitis clinical treatment	7	4	7	1
Mastitis clinical year-to-date YTD (target below 64 yr end)	22	26	33	34
Bulk milk SCC (target Ave below 150)	133	182	137	146
Lame new cases	1	0	1	2
Lame year-to-date [YTD]	3	3	4	6
Lame days YTD (Target below 1000 yr end)	7	14	21	42
Other/Colostrum	0/28	0/24	0/31	0/23
Milking twice a day into vat	425	465	501	530
Milking once a day into vat	0	0	0	0
First herd	Nil	165	168	170
Main Herd	0	300	333	378
MS/cow/day (Actual kg / Cows into vat only)	1.84	1.86	1.92	2.05
MS/cow to date (total kgs / Peak Cows 640)	16	25	35	47
MS/ha/day (total kgs / ha used)	4.40	5.30	6.00	6.80
Herd Average Cond'n Score	4.75	0.00	0.00	0.00
Monitor group LW kg WOW	464	462	467	460
Soil Temp Ave Aquaflex	6.5	7.0	8.0	7.4
Growth Rate (kgDM/ha/day)	24	24	74	52
Plate meter height - ave half-cms	12.0	11.3	13.7	13.4
Ave Pasture Cover (x140 + 500)	2176	2082	2414	2370
Surplus/deficit on feed wedge- tonnes	-28	-34	32	17
Pre Grazing cover (ave for week)	3533	3110	2863	3003
Post Grazing cover (ave for week)	1500	1550	1480	1480
highest pre-grazing cover	3650	3600	2900	3200
Area grazed / day (ave for week)	3.00	3.60	4.40	5.20
Grazing Interval days	53	44	36	31
Milkers Offered/grazed kg DM pasture	12.8	0.0	0.0	16.8
Estimated intake pasture MJME	160	190	206	211
Milkers offered kg DM Grass silage	0	4	4	0
Silage MJME/cow offered	0	0	0	0
Estimated intake Silage MJME	0	0		0
Estimated total intake MJME	160	0	0	211
Target total MJME Offered/eaten (includes 6% waste)	190	0	0	215
Pasture ME (pre grazing sample)	12.8	12.8	12.6	12.7

	30-Aug-11	6-Sep-11	13-Sep-11	20-Sep-11
Pasture % Protein	16.8	18.0	19.8	18.3
Pasture % DM - Concern below 16%	20.2	21.8	20.7	21.0
Pasture % NDF Concern < 33	35.8	35.3	33.8	37.1
Supplements fed to date kg per cow (640 peak)	0.0	9.3	25.1	27.4
Supplements Made Kg DM / ha cumulative	0	0	0	0
Units N applied/ha and % of farm	36units/56%	36units/15%	0	36units/32%
Kgs N to Date (whole farm)	0	0	0	0
Kgs/ha N to Date (on the NON-effluent area 128ha)	20	25	25	39
Rainfall (mm)	0	7	2	6.6
Aquaflex topsoil ave reading target 33 -38	39-37	38-36	35-31	35-32

The next weekly farm walk will be on 27th September, **at 9.00 am.**

Farmers or their managers and staff are always welcome to walk with us. Please call to notify us of your intention and bring your plate meter. Phone SIDDC – 03 325 3629.

Management Group

Peter Hancox (Farm Manager), George Reveley (for SIDDC), Steve Lee (DairyNZ).

Lincoln University Dairy Farm - Farm Walk notes

Tuesday, 13th September 2011

CRITICAL ISSUES FOR THE SHORT TERM

1. **Monitor average pasture cover and track against budget avoiding excess or inadequate cover.**
 2. **Feed milkers, colostrums, and cows not yet calved as much as they will eat while maintaining post grazing residuals as close to 7 clicks as ground conditions will allow.**
 3. **Avoid pasture damage by standing cows off if necessary.**
 4. **Use back-fences on all herds.**
 5. **Apply magnesium Oxide dust thoroughly to pasture being grazed by all MA cows 3 weeks from calving.**
 6. **Closely observe cows for any signs of mastitis and metabolic conditions.**
 7. **Establish and maintain very strict hygiene in the calf sheds.**
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COMMENT

8. There are now 501 cows being milked into the vat. There are 168 cows in the first herd, mainly first calvers with some light MA cows, and 333 in the main herd. The two herds will be managed separately for the remainder of the season, the composition of the first herd will change over time.

Growing conditions

9. Pasture growth this last week has been 74 kg DM/day, a very big jump from last weeks 24kg DM day. We are a little confused by this, but we had 3 plates this morning which all lined up well. It is likely that we under read the farm in previous weeks due to high DM%. The farm decision making would not have changed as in the first round we are constrained by area used per week [SRP] and the need to feed cows and attain residuals. The feed deficit has disappeared and we now have a small surplus.
10. This last week has been warmer than the previous 2 weeks, with soil temperatures at 9 am steady for the week at 8 degrees. Day time temperatures have tended to climb well above this.
11. 2mm rain has been recorded this week. An accelerated drying of soils was noticed this last week with Aquaflex on N7 indicating that over the next few days, given no rain, irrigation will be considered.

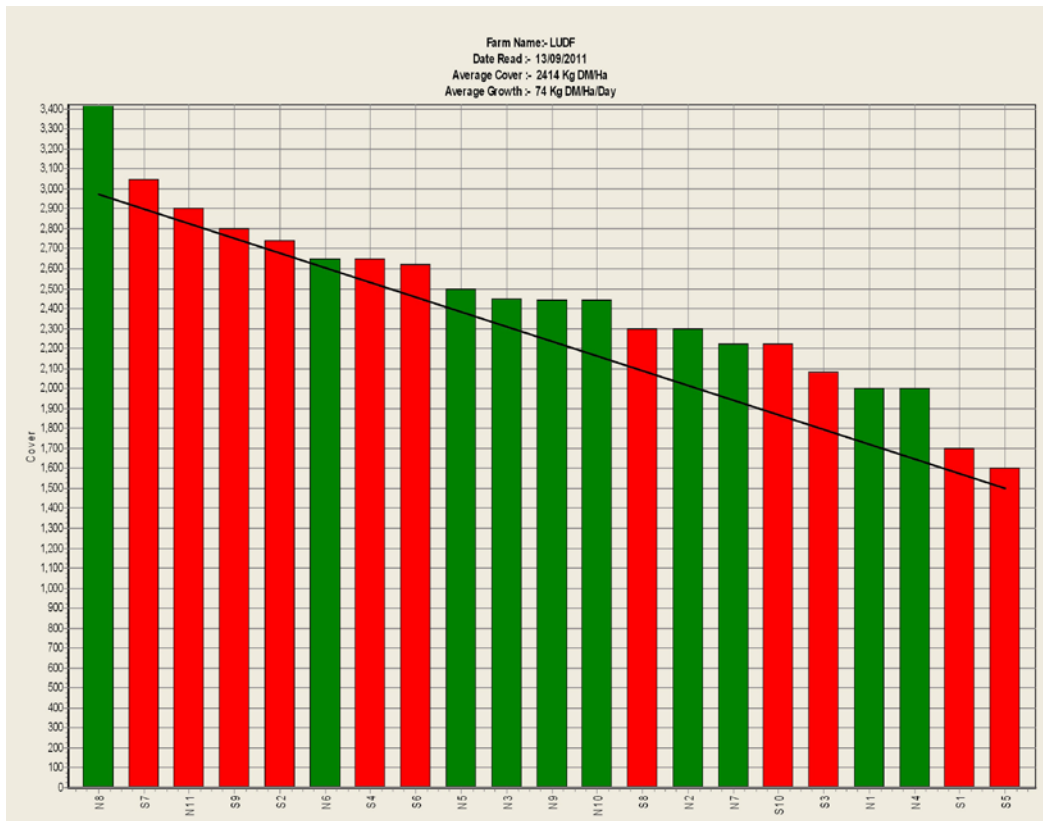
Calving

12. The mixed age cows are now well into calving, there are 501 cows being milked twice a day. Colostrum cows are milked once a day. There are 113 dry cows currently on the East Block.

Feeding levels

13. The priority has been to keep cows as well fed as we could manage. Silage was fed to the milkers in the main herd at 4.2 kg/cow all week, this should stop in the next 2 days. There is a small amount of reserved feed on the East block, the springers have been returned and will remain there to calve, sparing the platform.
14. The milkers need 210 MJME to produce 1.92 kg MS, maintain themselves, and allow for no loss of weight per day. It is estimated they are eating about 16.5 kgDM @12.5MJME per day. The walk over weighing indicates that the cows in the monitor group appear not to have lost any weight this week, last week they were losing 0.4kg per day.

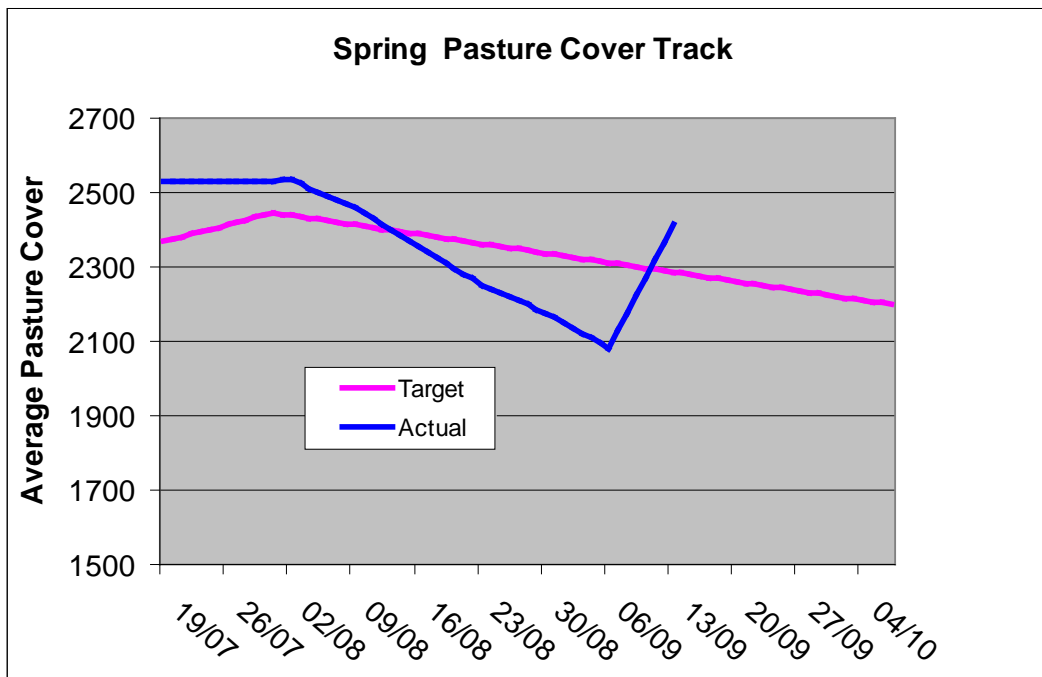
15. Feed Wedge



16. Average cover [2414] is now above target [2286].

17. Cover track

This week's cover track



18. We have not applied any nitrogen, Gibberellic Acid applied to 32 ha in the last week.

First Round plan and progress

Week	Area to be used per week	Accumulated total 160ha	Rotation Length	Actual area used per week	Actual total area used
2 – 8 August	11.7ha	11.7ha	96 days	11.8	11.8
9 – 15 August	16.9ha	28.6ha	66 days	18.5	30.3
16 - 22 August	19.4ha	48.0ha	58 days	18.5	48.8
23 - 29 August	26.0ha	74.0ha	43 days	21.3	70.1
30 Aug – 5 Sep	30.9ha	104.9ha	36 days	25	95.1
6 – 12 September	37.0ha	141.8ha	30 days	30.8	125.9
13-20 September	37.0 ha	178 ha*	30 days		

* second round will start 17 -18 September

LUDF Weekly report	23-Aug-11	30-Aug-11	6-Sep-11	13-Sep-11
Farm grazing ha (available to milkers)	160	160	160	160
Dry Cows on farm / East blk / other	00/265/00	180/00/00	0/140/0	0/113/0
Culls (Includes culls put down & empties)	0	0	1	8
Culls total to date	2	2	3	11
Deaths (Includes cows put down)	0	0	1	0
Deaths total to date	1	1	2	2
Calved Cows available (Peak Number 640...)	401	484	506	539
Treatment / Sick mob total	5	10	7	7
Mastitis clinical treatment	1	7	4	7
Mastitis clinical YTD (tgt below 64 yr end)	15	22	26	33
Bulk milk SCC (tgt Avg below 150)	190	133	182	137
Lame new cases	0	1	0	1
Lame year-to-date	2	3	3	4
Lame days YTD (Tgt below 1000 yr end)	NA	7	14	21
Other/Colostrum	0/80	0/28	0/24	0/31
Milking twice a day into vat	316	425	465	501
Milking once a day into vat	0	0	0	0
First herd	Nil	Nil	165	168
Main Herd	0	0	300	333
MS/cow/day (Actual kg / Cows into vat only)	1.9	1.8	1.9	1.9
MS/cow to date (total kgs / Peak Cows 640)	8	16	25	35
MS/ha/day (total kgs / ha used)	3.5	4.4	5.3	6.0
Herd Average Cond'n Score	5.1	4.75	0	0
Monitor group LW kg WOW	467	464	462	467
Soil Temp Ave Aquaflex	4.6	6.5	7.0	8.0
Growth Rate (kgDM/ha/day)	6	24	24	74
Plate meter height - ave half-cms	12.5	12	11.3	13.671429
Ave Pasture Cover (x140 + 500)	2252	2176	2082	2414
Surplus/deficit on feed wedge- tonnes	-35	-28	-34	32
Pre Grazing cover (ave for week)	3500	3533	3110	2863
Post Grazing cover (ave for week)	1650	1500	1550	1480
Highest pre-grazing cover	3775	3650	3600	2900

	23-Aug-11	30-Aug-11	6-Sep-11	13-Sep-11
Area grazed / day (ave for week)	2.60	3.00	3.60	4.40
Grazing Interval	62	53	44	36
Milkers Offered/grazed kg DM pasture	14.0	12.8	0.0	0.0
Estimated intake pasture MJME	175	160	0	0
Milkers offered kg DM Grass silage	0	0	4	4
Silage MJME/cow offered	0	0	0	0
Estimated intake Silage MJME	0	0	0	0
Estimated total intake MJME	175	160	0	0
Target total MJME Offered/eaten (includes 6% waste)	190	190	0	0
Pasture ME (pre grazing sample)	0.0	12.8	12.8	12.6
Pasture % Protein	0.0	16.8	18.0	19.8
Pasture % DM - Concern below 16%	0.0	20.2	21.8	20.7
Pasture % NDF Concern < 33	0.0	35.8	35.3	33.8
Supplements fed to date kg per cow (640 peak)	0.0	0.0	9.3	25.1
Supplements Made Kg DM / ha cumulative	0	0	0	0
Units N applied/ha and % of farm	0	36units/56%	36units/15%	0
Kgs N to Date (whole farm)	0	0	0	0
Kgs/ha N to Date (on the NON-effluent area 128ha)	0	20	25	25
Rainfall (mm)	0	0	7	2
Aquaflex topsoil avg reading tgt 33 -38	33-44	39-37	38-36	35-31

The next weekly farm walk will be on 20th September, at **9.00 am**.

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Management Group

Peter Hancox (Farm Manager), George Reveley (for SIDDC), Steve Lee (DairyNZ).

Lincoln University Dairy Farm - Farm Walk notes

Tuesday, 6th September 2011

CRITICAL ISSUES FOR THE SHORT TERM

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 3. **Avoid pasture damage by standing cows off if necessary.**
 4. **Use back-fences on all herds.**
 5. **Apply magnesium Oxide dust thoroughly to pasture being grazed by all MA cows 3 weeks from calving.**
 6. **Closely observe cows for any signs of mastitis and metabolic conditions.**
 7. **Establish and maintain very strict hygiene in the calf sheds.**
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COMMENT

8. This last week has seen the creation of the 2nd herd at LUDF. 165 cows, mainly first calvers with some light MA cows, have been separated from the main herd (300) and will be managed separately for the remainder of the season, the composition of this group will change over time.

Growing conditions

9. Pasture growth has been 24 kg DM/day, the same as last week. Historically we would expect to have grown 37kg. The feed deficit has increased from 28t to 34t.
10. The week has been quite cool, with soil temperatures falling to 7 degrees at 9 am this morning, an average for the week of 7.
11. 7mm rain has been recorded, despite this the gradual drying of soils has continued.

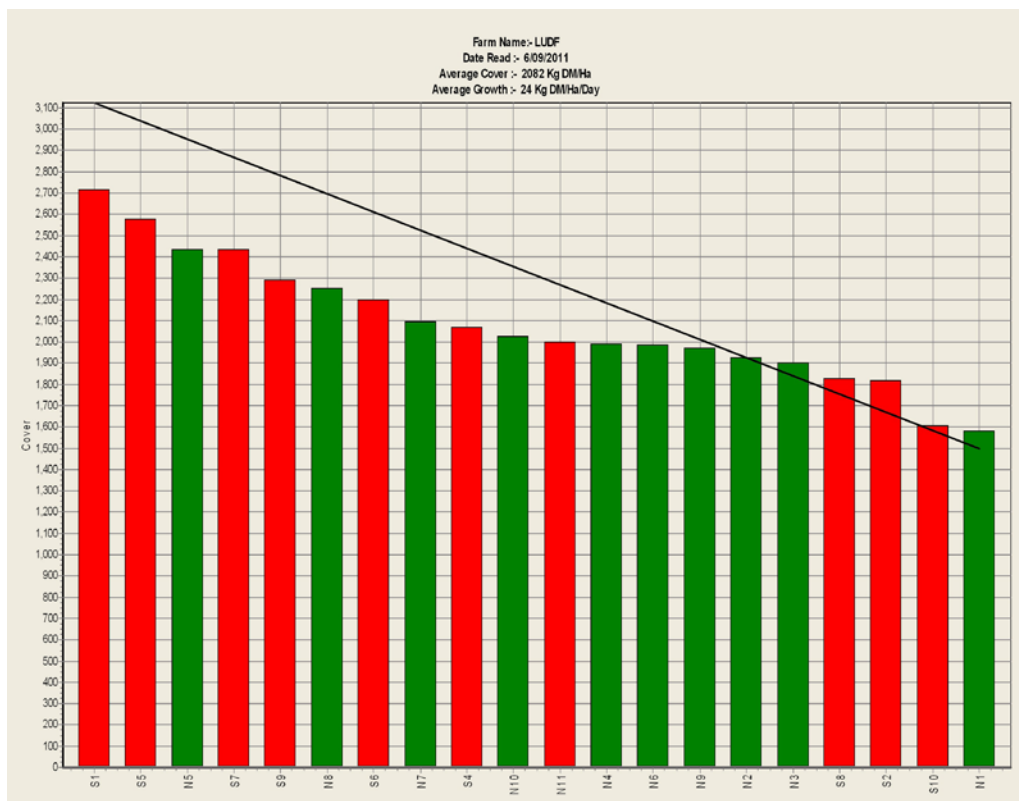
Calving

12. The mixed age cows are now well into calving, there are 465 cows being milked twice a day. Colostrum cows are milked once a day. There are currently 140 dry cows on the East Block.

Feeding levels

13. The priority has been to keep cows as well fed as manageable. Silage was fed to milkers at 4.5 kg/cow on two days. There is a small amount of reserved feed on the East block, and the springers have been returned and remain there to calve, sparing the platform.
14. The milkers need 186MJME to produce 1.86 kg MS, maintain themselves, allowing for 0.4 kg loss of weight per day. We estimate that they are eating about 15 kgDM @12.5MJME per day. The walk over weighing indicates that they are losing 0.4kg per day.

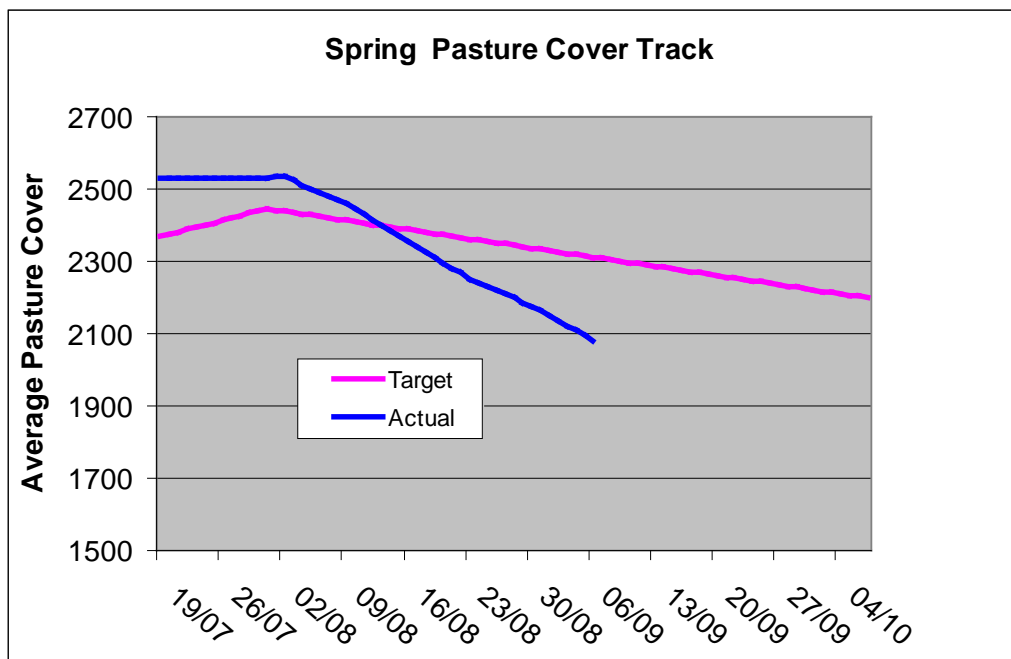
Feed Wedge



15. **Average pasture cover** is below target, cover is dropping below the spring track and growth rates remain slow. We fed silage for 2 days this week to ensure the first round was completed as planned.

16. Cover track

This week's cover track



18. 100kg/ha Ammonium Sulphate [36 N] per ha has been applied to 25 ha and Giberrellic Acid to 16 ha in the last week.

First Round plan and progress

Week	Area to be used per week	Accumulated total 160ha	Rotation Length	Actual area used per week	Actual total area used
2 – 8 August	11.7ha	11.7ha	96 days	11.8	11.8
9 – 15 August	16.9ha	28.6ha	66 days	18.5	30.3
16 - 22 August	19.4ha	48.0ha	58 days	18.5	48.8
23 - 29 August	26.0ha	74.0ha	43 days	21.3	70.1
30 Aug – 5 Sep	30.9ha	104.9ha	36 days	25	75.1
6 – 12 September	37.0ha	141.8ha	30 days		

LUDF Weekly report	16-Aug-11	23-Aug-11	30-Aug-11	6-Sep-11
Farm grazing ha (available to milkers)	160	160	160	160
Dry Cows on farm / East blk / other	00/240/114	00/265/00	180/00/00	0/140/0
Culls (Includes culls put down & empties)	1	0	0	1
Culls total to date	2	2	2	3
Deaths (Includes cows put down)	1	0	0	1
Deaths total to date	1	1	1	2
Calved Cows available (Peak Number 640...)	310	401	484	506
Treatment / Sick mob total	6	5	10	7
Mastitis clinical treatment	6	1	7	4
Mastitis clinical YTD (tgt below 64 yr end)	14	15	22	26
Bulk milk SCC (tgt Avg below 150)	201	190	133	182
Lame new cases	0	0	1	0
Lame ytd	2	2	3	3
Lame days YTD (Tgt below 1000 yr end)	NA	NA	7	14
Other/Colostrum	0/78	0/80	0/28	0/24
Milking twice a day into vat	210	316	425	465
Milking once a day into vat	0	0	0	0
First herd	Nil	Nil	Nil	165
Main Herd	0	0	0	300
MS/cow/day (Actual kg / Cows into vat only)	1.8	1.9	1.8	1.9
MS/cow to date (total kgs / Peak Cows 640)	3	8	16	25
MS/ha/day (total kgs / ha used)	1.6	3.5	4.4	5.3
Herd Average Cond'n Score	5.1	5.1	4.75	0
Monitor group LW kg WOW	474	467	464	462
Soil Temp Avg Aquaflex	5.4	4.6	6.5	7.0
Growth Rate (kgDM/ha/day)	0	6	24	24
Plate meter height - ave half-cms	0	12.5	12	11.3
Ave Pasture Cover (x140 + 500)	0	2252	2176	2082
Surplus/deficit on feed wedge- tonnes	0	-35	-28	-34
Pre Grazing cover (ave for week)	0	3500	3533	3110
Post Grazing cover (ave for week)	0	1650	1500	1550
highest pregrazing cover	0	3775	3650	3600
Area grazed / day (ave for week)	2.60	2.60	3.00	3.60

	16-Aug-11	23-Aug-11	30-Aug-11	6-Sep-11
Grazing Interval	62	62	53	44
Milkers Offered/grazed kg DM pasture	0.0	14.0	12.8	0.0
Estimated intake pasture MJME	0	175	160	0
Milkers offered kg DM Grass silage	0	0	0	4
Silage MJME/cow offered	0	0	0	0
Estimated intake Silage MJME	0	0	0	0
Estimated total intake MJME	0	175	160	0
Target total MJME Offered/eaten (includes 6% waste)	0	190	190	0
Pasture ME (pre grazing sample)	0.0	0.0	12.8	12.8
Pasture % Protein	0.0	0.0	16.8	18.0
Pasture % DM - Concern below 16%	0.0	0.0	20.2	21.8
Pasture % NDF Concern < 33	0.0	0.0	35.8	35.3
Supplements fed to date kg per cow (640 peak)	0.0	0.0	0.0	9.3
Supplements Made Kg DM / ha cumulative	0	0	0	0
Units N applied/ha and % of farm	0	0	36units/56%	36units/15%
Kg N to Date (whole farm)	0	0	0	0
Kg/ha N to Date (on the NON-effluent area 128ha)	0	0	20	25
Rainfall (mm)	3.5+ snow	0	0	7
Aquaflex topsoil avg reading tgt 33 -38	37-47	33-44	39-37	38-36

The next weekly farm walk will be on 13th September, at **9.00 am**.

Farmers or their managers and staff are always welcome to walk with us. Please call to notify us of your intention and bring your plate meter. Phone SIDDC – 03 325 3629

Management Group

Peter Hancox (Farm Manager), George Reveley (for SIDDC), Steve Lee (DairyNZ).