

## Weekly Dataset from Lincoln University Dairy Farm

Date (Totals at end of period)	7-Jul-09	14-Jul-09	21-Jul-09	28-Jul-09
Total Cows Wintered (July 1st Total)	683	683	683	683
Farm grazing ha (available to milkers)	159.1	159.1	159.1	159.1
Dry Cows on farm / East block / other	0/89/594	0/0/683	50/0/607	35/49/501
Culls (Includes culls put down & empties)	0	0	0	0
Culls total to date	0	0	0	0
Deaths (Includes cows put down)	0	0	1	0
Deaths total to date	0	0	1	1
Calved Cows available (Peak Number 680... )				98
Treatment / Sick mob total	0	0	0	0
<i>lame, mastitis, other, colostrums</i>	0	0	0/0/0/26	0/0/0/98
Milking twice a day into vat				0
Milking once a day into vat				0
Total Cows Milked into vat				0
Days in Milk actual cow days/Peak Cows				
MS/cow/day (Actual kg / Cows into vat only)				
MS/cow to date (total kgs / Peak Cows 680)				
MS/ha/day (total kgs / Total ha used - eg 161.5ha)				
MS/ha to date (total kg / Total ha used)				
Herd Average Condition Score				
Whole Herd LW (kgs)				
Soil Temp Tues 10.00am 10cm	5.0	5.0	5.0	5.0
Growth Rate (kgDM/ha/day)	12	6	16	5
Plate meter height - ave half-cms	12.3	12.5	13.1	12.9
Ave Pasture Cover (x140 + 500)	2223	2256	2340	2304
Pre Grazing cover (ave for week)			2800	2850
Post Grazing cover (ave for week)			1480	1400
Highest pre-grazing cover			2800	2850
Area grazed / day (ave for week)	0.00	0.00	0.38	0.42
Grazing Interval	0	0	419	379
Pasture ME (pre grazing sample)				
Pasture % Protein				
Pasture % DM				
Pasture % NDF				
Supplements Type	0	0	0	0
Supplements fed kg DM/cow/day in paddock	0.0	0.0	0.0	0.0
Supplements fed to date kg per cow (680 peak)	0	0	0	0
Supplements Made Kg DM / ha cumulative	0	0	0	0
Units N applied/ha and % of farm	0	0	0	0
Kgs/ha N to Date (on the NON-effluent area 133ha)	0	0	0	0
Rainfall (mm)	30.6	2.6	0.9	2.6
ET Weekly Soil & Science readings (mm)	3.5	7.3	7.1	10.8
Days irrigated each week	0	0	0	0
Irrigation mm applied per week	0	0	0	0
Stock Water Consumed litres / cow / day	0	0	26	31

## Weekly Dataset from Lincoln University Dairy Farm

Date (Totals at end of period)	2-Jun-09	9-Jun-09	16-Jun-09	23-Jun-09	30-Jun-09
Total Cows Wintered (July 1st Total)	688	688	683	683	683
Farm grazing ha (available to milkers)	159.1	159.1	159.1	159.1	159.1
Dry Cows on farm / East block / other	115/0/565	115/0/565	110/0/565	110/0/573	163/0/520
Culls (Includes culls put down & empties)	0	0	5	0	0
Culls total to date	0	0	5	5	0
Deaths (Includes cows put down)	0	0	0	0	0
Deaths total to date	0	0	0	0	0
Calved Cows available (Peak Number 680... )					
Treatment / Sick mob total	0	0	0	0	0
<i>lame, mastitis, other, colostrums</i>	0	0	0	0	0
Milking twice a day into vat					
Milking once a day into vat					
Total Cows Milked into vat					
Days in Milk actual cow days/Peak Cows					
MS/cow/day (Actual kg / Cows into vat only)					
MS/cow to date (total kgs / Peak Cows 680)					
MS/ha/day (total kgs / Total ha used - eg 161.5ha)					
MS/ha to date (total kg / Total ha used)					
Herd Average Condition Score					
Whole Herd LW (kgs)					
Soil Temp Tues 10.00am 10cm	5.0	4.0	8.0	6.0	5.0
Growth Rate (kgDM/ha/day)	16	10	22	15est	6
Plate meter height - ave half-cms	11.7	11.7	12.2	12.5	11.7
Ave Pasture Cover (x140 + 500)	2137	2136	2215	2255est	2144
Pre Grazing cover (ave for week)	2800	3042	3220	3085	2800
Post Grazing cover (ave for week)	1480	1480	1480	1480	1480
Highest pre-grazing cover	2800	3100	3220	3270	2800
Area grazed / day (ave for week)	0.67	0.85	0.53	0.84	1.65
Grazing Interval	237	187	301	189	96
Pasture ME (pre grazing sample)					
Pasture % Protein					
Pasture % DM					
Pasture % NDF					
Supplements Type	0	0	0	0	0
Supplements fed kg DM/cow/day in paddock	0.0	0.0	0.0	0.0	0.0
Supplements fed to date kg per cow (680 peak)	0	0	0	0	0
Supplements Made Kg DM / ha cumulative	0	0	0	0	0
Units N applied/ha and % of farm	0	0	0	0	0
Kgs/ha N to Date (on the NON-effluent area 133ha)	0	0	0	0	0
Rainfall (mm)	6.2	3.6	1.4	8.8	0.6
ET Weekly Soil & Science readings (mm)	5.9	7.9	7.5	6.1	4.3
Days irrigated each week	0	0	0	0	0
Irrigation mm applied per week	0	0	0	0	0
Stock Water Consumed litres / cow / day	32	20	25	17	18

## Weekly Dataset from Lincoln University Dairy Farm

Date (Totals at end of period)	5-May-09	12-May-09	19-May-09	26-May-09	2-Jun-09
Total Cows Wintered (July 1st Total)	704	704	704	704	688
Farm grazing ha (available to milkers)	159.1	159.1	159.1	159.1	159.1
Dry Cows on farm / East block / other	0/0/25	78/0/25	124/0/25	148/0/25	115/0/565
Culls (Includes culls put down & empties)	8	0	13	9	0
Culls total to date	164	164	177	186	0
Deaths (Includes cows put down)	0	0	0	0	0
Deaths total to date	8	8	8	8	0
Calved Cows available (Peak Number 680... )	507	429	370	337	
Treatment / Sick mob total	13	0	2	2	0
<i>lame, mastitis, other, colostrums</i>	2/13/0/0	0/0/0/0	0/02/0/0	0/2/0/0	0
Milking twice a day into vat	0	0	0	0	
Milking once a day into vat	494	429	368	335	
Total Cows Milked into vat	494	429	368	335	
Days in Milk actual cow days/Peak Cows	245	249	253	254	
MS/cow/day (Actual kg / Cows into vat only)	1.1	1.2	1.08	1.02	
MS/cow to date (total kgs / Peak Cows 680)	375	380	384	385	
MS/ha/day (total kgs / Total ha used - eg 161.5ha)	3.4	3.2	2.5	2.15	
MS/ha to date (total kg / Total ha used)	1601	1623	1641	1645	
Herd Average Condition Score					
Whole Herd LW (kgs)	491	492	494	494	
Soil Temp Tues 10.00am 10cm	9.0	7.0	8.0	8.0	5.0
Growth Rate (kgDM/ha/day)	34	25	17	17	16
Plate meter height - ave half-cms	12.1	11.2	10.8	11.3	11.7
Ave Pasture Cover (x140 + 500)	2195	2076	2010	2082	2137
Pre Grazing cover (ave for week)	2923	2736	2788	2780	2800
Post Grazing cover (ave for week)	1480	1550	1480	1500	1480
Highest pre-grazing cover	3104	2900	2980	2780	2800
Area grazed / day (ave for week)	4.69	5.70	3.32	0.71	0.67
Grazing Interval	34	28	48	224	237
Pasture ME (pre grazing sample)					
Pasture % Protein					
Pasture % DM					
Pasture % NDF					
Supplements Type	Grass Silage	Grass Silage	Grass Silage	Grass Silage	0
Supplements fed kg DM/cow/day in paddock	4.8	6.1	7.0	4.3	0.0
Supplements fed to date kg per cow (680 peak)	357	383	407	406	0
Supplements Made Kg DM / ha cumulative	277	277	277	277	0
Units N applied/ha and % of farm	40units,21%	0	0	0	0
Kgs/ha N to Date (on the NON-effluent area 133ha)	245	0	0	0	0
Rainfall (mm)	23.4	83	2.2	85	6.2
ET Weekly Soil & Science readings	7.8	5.8est	17.3	5.2	5.9

(mm)					
Days irrigated each week	0	0	0	0	0
Irrigation mm applied per week	0	0	0	0	0
Stock Water Consumed litres / cow / day	19	17	41	3	32

## Weekly Dataset from Lincoln University Dairy Farm

Date (Totals at end of period)	7-Apr-09	14-Apr-09	21-Apr-09	28-Apr-09
Total Cows Wintered (July 1st Total)	704	704	704	704
Farm grazing ha (available to milkers)	159.1	159.1	159.1	159.1
Dry Cows on farm / East block / other	5/0/0	25/0/0	0/0/25	0/0/25
Culls (Includes culls put down & empties)	12	0	0	47
Culls total to date	109	109	109	156
Deaths (Includes cows put down)	0	0	0	0
Deaths total to date	8	8	8	8
Calved Cows available (Peak Number 680... )	581	562	562	515
Treatment / Sick mob total	2	2	9	10
<i>lame, mastitis, other, colostrums</i>	1/2/0/0	2/2/0/0	1/9/0/0	2/10/0/0
Milking twice a day into vat	578	0	0	0
Milking once a day into vat	1	560	553	505
Total Cows Milked into vat	579	560	553	505
Days in Milk actual cow days/Peak Cows	223	229	234	240
MS/cow/day (Actual kg / Cows into vat only)	1.4	1.2	1.24	1.23
MS/cow to date (total kgs / Peak Cows 680)	349	356	363	369
MS/ha/day (total kgs / Total ha used - eg 161.5ha)	5.1	4.1	4.3	3.90
MS/ha to date (total kg / Total ha used)	1491	1520	1550	1577
Herd Average Condition Score				4.3
Whole Herd LW (kgs)	473	479	491	494
Soil Temp Tues 10.00am 10cm	11.0	10.0	13.0	11.0
Growth Rate (kgDM/ha/day)	54	55	59	42
Plate meter height - ave half-cms	12.4	12.5	13.0	12.4
Ave Pasture Cover (x140 + 500)	2232	2251	2327	2238
Pre Grazing cover (ave for week)	3004	2828	3044	3264
Post Grazing cover (ave for week)	1450	1480	1480	1480
Highest pre-grazing cover	3215	2900	3250	3300
Area grazed / day (ave for week)	5.07	4.90	4.73	4.43
Grazing Interval	31	32	34	36
Pasture ME (pre grazing sample)		12.3		12.4
Pasture % Protein		22.8		23.3
Pasture % DM		17.3		17.5
Pasture % NDF		35.5		33
Supplements Type	Grass Silage	Grass Silage	Grass Silage	Grass Silage
Supplements fed kg DM/cow/day in paddock	4.5	5.1	6.0	4.5
Supplements fed to date kg per cow (680 peak)	243	283	313	332
Supplements Made Kg DM / ha cumulative	277	277	277	277
Units N applied/ha and % of farm	30units,9%	40units,26%	40units,23%	40units,6%
Kgs/ha N to Date (on the NON-effluent area 133ha)	201	217	226	229
Rainfall (mm)	0.8	25.6	4	1.2
ET Weekly Soil & Science readings (mm)	20.0	16.4	20est	18.8
Days irrigated each week	3	0	0	0
Irrigation mm applied per week	17.4	0	0	0
Stock Water Consumed litres / cow / day	36	42	42	32

## Weekly Dataset from Lincoln University Dairy Farm

Date (Totals at end of period)	3-Mar-09	10-Mar-09	17-Mar-09	24-Mar-09	31-Mar-09
Total Cows Wintered (July 1st Total)	704	704	704	704	704
Farm grazing ha (available to milkers)	150.8	150.8	159.1	159.1	159.1
Dry Cows on farm / East block / other	2/0/3	2/0/3	0/0/0	0/0/0	12/0/0
Culls (Includes culls put down & empties)	0	10	10	0	33
Culls total to date	44	54	64	64	97
Deaths (Includes cows put down)	0	0	0	0	0
Deaths total to date	8	8	8	8	8
Calved Cows available (Peak Number 680... )	647	641	631	631	599
Treatment / Sick mob total	5	8	3	1	2
<i>lame, mastitis, other, colostrums</i>	10/5/0/0	4/8/0/0	5/3/0/0	7/1/0/0	5/2/0/0
Milking twice a day into vat	632	629	623	623	592
Milking once a day into vat	10	4	5	7	5
Total Cows Milked into vat	642	633	628	630	597
Days in Milk actual cow days/Peak Cows	191	198	204	211	217
MS/cow/day (Actual kg / Cows into vat only)	1.4	1.4	1.36	1.41	1.4
MS/cow to date (total kgs / Peak Cows 680)	305	314	322	332	340
MS/ha/day (total kgs / Total ha used - eg 161.5ha)	5.8	5.7	5.4	5.58	5.4
MS/ha to date (total kg / Total ha used)	1303	1340	1378	1417	1455
Herd Average Condition Score					
Whole Herd LW (kgs)	466	468	469	480	471
Soil Temp Tues 10.00am 10cm	15.0	15.0	13.0	12.0	13.0
Growth Rate (kgDM/ha/day)	87	94	58	42	64
Plate meter height - ave half-cms	13.0	13.5	12.4	11.8	12.1
Ave Pasture Cover (x140 + 500)	2318	2391	2244	2150	2200
Pre Grazing cover (ave for week)	2734	3140	3394	3126	2869
Post Grazing cover (ave for week)	1450	1480	1480	1480	1450
Highest pre-grazing cover	3076	3280	3670	3260	3200
Area grazed / day (ave for week)	6.33	6.41	5.58	5.99	5.31
Grazing Interval	24	24	29	27	30
Pasture ME (pre grazing sample)		11.6		12.2	
Pasture % Protein		26.4		25.6	
Pasture % DM		13.4		15.5	
Pasture % NDF		37.3		34.8	
Supplements Type	Grass Silage	0	0	Grass Silage	Grass Silage
Supplements fed kg DM/cow/day in paddock	4.2	0.0	0.0	2.2	6.1
Supplements fed to date kg per cow (680 peak)	169	169	169	183	222
Supplements Made Kg DM / ha cumulative	277	277	277	277	277
Units N applied/ha and % of farm	30units,23%	30units,11%	0	40units,21%	40units,21%
Kgs/ha N to Date (on the NON-effluent area 133ha)	174	178	178	188	199
Rainfall (mm)	8.2	20.6	4	2.4	0.04
ET Weekly Soil & Science readings (mm)	24.5	30.6	22.3	22.5	25.4
Days irrigated each week	0	4	0	0	0
Irrigation mm applied per week	0	23.2	0	0	0
Stock Water Consumed litres / cow / day	29	32	26	22	47

## Weekly Dataset from Lincoln University Dairy Farm

Date (Totals at end of period)	3-Feb-09	10-Feb-09	17-Feb-09	24-Feb-09	3-Mar-09
Total Cows Wintered (July 1st Total)	704	704	704	704	704
Farm grazing ha (available to milkers)	150.8	150.8	150.8	150.8	150.8
Dry Cows on farm / East block / other	0/0/0	0/0/0	0/0/0	1/0/3	2/0/3
Culls (Includes culls put down & empties)	1	0	0	0	0
Culls total to date	19	19	19	44	44
Deaths (Includes cows put down)	1	1	0	0	0
Deaths total to date	8	8	8	8	8
Calved Cows available (Peak Number 680... )	678	678	678	648	647
Treatment / Sick mob total	3	4	4	1	5
<i>lame, mastitis, other, colostrums</i>	10/3/0/0	10/4/0/0	13/4/0/0	9/1/0/0	10/5/0/0
Milking twice a day into vat	665	665	661	638	632
Milking once a day into vat	10	9	13	9	10
Total Cows Milked into vat	675	674	674	647	642
Days in Milk actual cow days/Peak Cows	164	171	178	284	191
MS/cow/day (Actual kg / Cows into vat only)	1.4	1.4	1.38	1.41	1.4
MS/cow to date (total kgs / Peak Cows 680)	267	277	288	296	305
MS/ha/day (total kgs / Total ha used - eg 161.5ha)	6.4	6.3	6.2	6.04	5.8
MS/ha to date (total kg / Total ha used)	1141	1183	1230	1264	1303
Herd Average Condition Score					
Whole Herd LW (kgs)	470	472	474	473	466
Soil Temp Tues 10.00am 10cm	16.0	17.0	13.0	15.0	15.0
Growth Rate (kgDM/ha/day)	84	75	56	73	87
Plate meter height - ave half-cms	12.6	12.7	11.5	11.5	13.0
Ave Pasture Cover (x140 + 500)	2268	2278	2106	2103	2318
Pre Grazing cover (ave for week)	3000	3057	2889	3045	2734
Post Grazing cover (ave for week)	1480	1480	1450	1480	1450
Highest pre-grazing cover	3100	3244	3006	3600	3076
Area grazed / day (ave for week)	7.80	7.40	7.75	7.40	6.33
Grazing Interval	19	20	19	20	24
Pasture ME (pre grazing sample)		11.7		11.9	
Pasture % Protein		20.1		25.3	
Pasture % DM		15.6		15.6	
Pasture % NDF		36.9		36.9	
Supplements Type	0	0	0	Grass Silage	Grass Silage
Supplements fed kg DM/cow/day in paddock	0.0	0.0	0.0	3.5	4.2
Supplements fed to date kg per cow (680 peak)	113	113	113	136	169
Supplements Made Kg DM / ha cumulative	272	277	277	277	277
Units N applied/ha and % of farm	0	0	0	30units,40%	30units,23%
Kgs/ha N to Date (on the NON-effluent area 133ha)	149	149	149	165	174
Rainfall (mm)	0.2	2.2	23.2	21.6	8.2
ET Weekly Soil & Science readings (mm)	24.5	33.4	19.8	22.6	24.5
Days irrigated each week	7	4	1	0	0
Irrigation mm applied per week	40.6	23.2	5.8	0	0
Stock Water Consumed litres / cow / day	38est	38est	38est	23	29

## Weekly Dataset from Lincoln University Dairy Farm

Date (Totals at end of period)	6-Jan-09	13-Jan-09	20-Jan-09	27-Jan-09
Total Cows Wintered (July 1st Total)	704	704	704	704
Farm grazing ha (available to milkers)	150.8	150.8	150.8	150.8
Dry Cows on farm / East block / other	0/0/0	0/0/0	0/0/0	0/0/0
Culls (Includes culls put down & empties)	0	0	0	0
Culls total to date	18	18	18	18
Deaths (Includes cows put down)	1	0	0	0
Deaths total to date	8	8	8	8
Calved Cows available (Peak Number 680... )	679	679	679	679
Treatment / Sick mob total	2	1	0	0
<i>lame, mastitis, other, colostrums</i>	12/1/1/0	11/1/0/0	11/0/0/0	12/0/0/0
Milking twice a day into vat	667	667	668	667
Milking once a day into vat	10	11	11	12
Total Cows Milked into vat	677	678	679	679
Days in Milk actual cow days/Peak Cows	136	143	150	157
MS/cow/day (Actual kg / Cows into vat only)	1.5	1.5	1.48	1.37
MS/cow to date (total kgs / Peak Cows 680)	227	237	248	257
MS/ha/day (total kgs / Total ha used - eg 161.5ha)	6.9	6.9	6.7	6.19
MS/ha to date (total kg / Total ha used)	968	1014	1058	1099
Herd Average Condition Score				
Whole Herd LW (kgs)	475	469	465	473
Soil Temp Tues 10.00am 10cm	16.5	17.0	16.0	17.5
Growth Rate (kgDM/ha/day)	86	84	83	62
Plate meter height - ave half-cms	12.9	12.1	12.5	12.6
Ave Pasture Cover (x140 + 500)	2307	2196	2252	2269
Pre Grazing cover (ave for week)	2993	3125	2965	2870
Post Grazing cover (ave for week)	1480	1480	1480	1480
Highest pre-grazing cover	3200	3200	3300	3080
Area grazed / day (ave for week)	8.09	7.00	7.44	7.90
Grazing Interval	19	22	20	19
Pasture ME (pre grazing sample)				11.6
Pasture % Protein				18.8
Pasture % DM				
Pasture % NDF				43.7
Supplements Type	0	0	0	0
Supplements fed kg DM/cow/day in paddock	0.0	0.0	0.0	0.0
Supplements fed to date kg per cow (680 peak)	113	113	113	113
Supplements Made Kg DM / ha cumulative	181	272	272	272
Units N applied/ha and % of farm	0	0	0	0
Kgs/ha N to Date (on the NON-effluent area 133ha)	149	149	149	149
Rainfall (mm)	0	2.6	36	10est
ET Weekly Soil & Science readings (mm)	44est	43.2	32.6	42.7est
Days irrigated each week	7	7	4	4
Irrigation mm applied per week	40.6	40.6	23.2	23.2
Stock Water Consumed litres / cow / day	38est	38est	38est	38est

Weekly and Monthly Dataset from Lincoln University Dairy Farm

Date (Totals at end of period)	2-Dec-08	9-Dec-08	16-Dec-08	23-Dec-08	30-Dec-08
Total Cows Wintered <small>(July 1st Total)</small>	704	704	704	704	704
Farm grazing ha (available to milkers)	159.1	159.1	150.8	150.8	150.8
Dry Cows on farm / East blk / other	3/0/0	3/0/0	0/0/0	0/0/0	0/0/0
Culls (Includes culls put down & empties)	0	0	3	0	0
Culls total to date	15	15	18	18	18
Deaths (Includes cows put down)	0	0	0	0	0
Deaths total to date	7	7	7	7	7
Calved Cows available (Peak Number 680... )	680	680	680	680	680
Treatment / Sick mob total	3	3	2	2	2
<i>lame, mastitis, other, colostrum</i>	5/3/0/0	5/2/1/0	10/2/0/0	14/2/0/0	12/2/0/0
Milking twice a day into vat	672	672	668	664	666
Milking once a day into vat	5	5	10	14	12
Total Cows Milked into vat	677	677	678	678	678
Days in Milk <small>actual cow days/Peak Cows</small>	101	108	115	122	129
MS/cow/day (Actual kg / Cows into vat only)	1.7	1.6	1.59	1.51	1.5
MS/cow to date (total kgs / Peak Cows 680)	172	183	195	205	216
MS/ha/day (total kgs / Total ha used - eg 161.5ha)	7.1	6.9	7.2	6.45	6.9
MS/ha to date (total kg / Total ha used)	736	784	832	877	923
Herd Average Cond'n Score					
Whole herd LW (kgs)	464	460	458	467	470
Soil Temp <small>Tues 10.00am 10cm</small>	15.5	15.0	14.5	13.0	15.5
Growth Rate (kgDM/ha/day)	106	80	87	66	92
Plate meter height - ave half-cms	14.3	13.0	12.9	12.1	12.8
Ave Pasture Cover (x140 + 500)	2510	2324	2310	2195	2292
Pre Grazing cover (ave for week)	3239	3083	2971	3106	2935
Post Grazing cover (ave for week)	1500	1500	1480	1500	1480
highest pregrazing cover	3400	3270	3130	3218	3120
Area grazed / day (ave for week)	8.50	7.75	7.65	7.65	7.40
Grazing Interval	19	21	20	20	20
Pasture ME (pre grazing sample)	11.8		12.1		12
Pasture % Protein	23.2		27.0		23.9
Pasture % DM	15.2		17.5		15.6
Pasture % NDF	36.2		32.5		36.8
Supplements Type	0	0	0	0	Grass Silage
Supplements fed <small>kg DM/cow/day in pdk</small>	0.0	0.0	0.0	0.0	2.3
Supplements fed to date <small>kg per cow (680 peak)</small>	108	108	108	108	113
Supplements Made <small>kg DM / ha cumulative</small>	103	181	181	181	181
Units N applied/ha and % of farm	25units,50%	0	0	0	25units,75%
Kgs/ha N to Date (on the NON-effluent area 133ha)	128	128	128	128	149
Rainfall (mm)	1	9	10.4	56.8	0
ET Weekly <small>Soil &amp; Science readings (mm)</small>	35.6	32.8	28.1	24.3	37.1
days irrigated each week	7	7	1	0	4
Irrigation <small>mm applied per week</small>	40.6	40.6	5.8	0	23.2
Stock Water Consumed <small>litres / cow / day</small>	43	41	22	18	34

## Weekly Dataset from Lincoln University Dairy Farm

Date (Totals at end of period)	4-Nov-08	11-Nov-08	18-Nov-08	25-Nov-08
Total Cows Wintered (July 1st Total)	704	704	704	704
Farm grazing ha (available to milkers)	159.1	159.1	159.1	159.1
Dry Cows on farm / East block / other	2/0/0	1/0/0	0/0/0	0/0/0
Culls (Includes culls put down & empties)	3	0	0	0
Culls total to date	15	15	15	15
Deaths (Includes cows put down)	0	0	0	0
Deaths total to date	7	7	7	7
Calved Cows available (Peak Number 680... )	681	682	683	683
Treatment / Sick mob total	6	8	6	5
<i>lame, mastitis, other, colostrums</i>	10/8/0/2	11/8/6/1	9/6/0/0	10/3/2/0
Milking twice a day into vat	661	661	667	668
Milking once a day into vat	3	6	10	10
Total Cows Milked into vat	664	667	677	678
Days in Milk actual cow days/Peak Cows	73	80	87	94
MS/cow/day (Actual kg / Cows into vat only)	1.9	1.9	1.82	1.69
MS/cow to date (total kgs / Peak Cows 680)	123	136	149	160
MS/ha/day (total kgs / Total ha used - eg 161.5ha)	8.0	8.0	7.7	7.21
MS/ha to date (total kg / Total ha used)	525	581	635	686
Herd Average Condition Score				
Whole Herd LW (kgs)				
Soil Temp Tues 10.00am 10cm	11.3	10.5	14.5	14.5
Growth Rate (kgDM/ha/day)	66	67	110	99
Plate meter height - ave half-cms	12.0	11.9	13.5	13.5
Ave Pasture Cover (x140 + 500)	2188	2172	2398	2397
Pre Grazing cover (ave for week)	3028	2925	2766	3166
Post Grazing cover (ave for week)	1480	1480	1480	1480
Highest pre-grazing cover	3250	3000	2932	3340
Area grazed / day (ave for week)	8.64	7.90	7.60	8.00
Grazing Interval	18	20	21	20
Pasture ME (pre grazing sample)	12.1		12.2	
Pasture % Protein	24.6		24.9	
Pasture % DM	16.2		17.3	
Pasture % NDF	34.9		32.3	
Supplements Type	0	Grass Silage	0	0
Supplements fed kg DM/cow/day in paddock	0.0	1.6	0.0	0.0
Supplements fed to date kg per cow (680 peak)	97	108	108	108
Supplements Made Kg DM / ha cumulative	0	0	0	50.3
Units N applied/ha and % of farm	30units,18%	0	0	30units,17%
Kgs/ha N to Date (on the NON-effluent area 133ha)	92	92	92	108
Rainfall (mm)	1	10.2	0.04	0
ET Weekly Soil & Science readings (mm)	27.8	26.5	86.8	32.8
Days irrigated each week	2	4	7	7
Irrigation mm applied per week	11.6	23.2	40.6	40.6
Stock Water Consumed litres / cow / day	30	46	45	35

## Weekly Dataset from Lincoln University Dairy Farm

Date (Totals at end of period)	7-Oct-08	14-Oct-08	21-Oct-08	28-Oct-08
Total Cows Wintered (July 1st Total)	704	704	704	704
Farm grazing ha (available to milkers)	159.1	159.1	159.1	159.1
Dry Cows on farm / East block / other	36/0/0	17/0/0	12/0/0	4/0/0
Culls (Includes culls put down & empties)	3	0	0	0
Culls total to date	11	11	11	11
Deaths (Includes cows put down)	0	1	0	0
Deaths total to date	6	7	7	7
Calved Cows available (Peak Number 680... )	651	667	672	680
Treatment / Sick mob total	6	9	6	7
<i>lame, mastitis, other, colostrums</i>	1/6/0/25	5/8/0/10	2/6/0/10	4/7/0/7
Milking twice a day into vat	620	643	654	662
Milking once a day into vat	0	0	0	0
Total Cows Milked into vat	620	643	654	662
Days in Milk actual cow days/Peak Cows	45	53	59	66
MS/cow/day (Actual kg / Cows into vat only)	1.9	1.9	1.89	1.92
MS/cow to date (total kgs / Peak Cows 680)	72	86	97	110
MS/ha/day (total kgs / Total ha used - eg 161.5ha)	7.2	7.6	7.8	7.97
MS/ha to date (total kg / Total ha used)	306	367	414	470
Herd Average Condition Score				
Whole Herd LW (kgs)				
Soil Temp Tues 10.00am 10cm	10.0	9.0	11.5	12.0
Growth Rate (kgDM/ha/day)	66	89	71	93
Plate meter height - ave half-cms	11.8	12.6	12.4	13.0
Ave Pasture Cover (x140 + 500)	2157	2266	2244	2320
Pre Grazing cover (ave for week)	2896	2927	2988	2935
Post Grazing cover (ave for week)	1450	1480	1480	1480
Highest pre-grazing cover	2924	3182	3136	3188
Area grazed / day (ave for week)	6.92	6.90	8.18	8.58
Grazing Interval	23	23	19	19
Pasture ME (pre grazing sample)		12.2		
Pasture % Protein		23.9		
Pasture % DM		15.7		
Pasture % NDF		33.5		
Supplements Type	0	Grass Silage	Grass Silage	Grass Silage
Supplements fed kg DM/cow/day in paddock	0.0	3.1	0.2	1.8
Supplements fed to date kg per cow (680 peak)	68	83	84	97
Supplements Made Kg DM / ha cumulative	0	0	0	0
Units N applied/ha and % of farm	35units,14%	0	30units,30%	30units,32%
Kgs/ha N to Date (on the NON-effluent area 133ha)	69	69	81	88
Rainfall (mm)	0.4	0	0.2	18
ET Weekly Soil & Science readings (mm)	25.2	23.6	25.3	23.4
Days irrigated each week	4	3	4	1
Irrigation mm applied per week	23.2	23.2	23.2	5.8
Stock Water Consumed litres / cow / day	29	41	32	36

## Weekly Dataset from Lincoln University Dairy Farm

Date (Totals at end of period)	2-Sep-08	9-Sep-08	16-Sep-08	23-Sep-08	30-Sep-08
Total Cows Wintered (July 1st Total)	704	704	704	704	704
Farm grazing ha (available to milkers)	160	160	160	160	160
Dry Cows on farm / East block / other	203/0/0	157/0/0	109/0/0	85/0/0	58/0/0
Culls (Includes culls put down & empties)	0	0	5	0	0
Culls total to date	3	3	8	8	8
Deaths (Includes cows put down)	0	1	1	0	0
Deaths total to date	4	5	6	6	6
Calved Cows available (Peak Number 680... )	494	538	581	605	632
Treatment / Sick mob total	19	21	19	10	9
<i>lame, mastitis, other, colostrums</i>	4/19/0/49	6/21/0/51	6/19/0/57	4/10/0/33	0/9/0/34
Milking twice a day into vat	393	440	499	558	589
Milking once a day into vat	0	0	0	0	0
Total Cows Milked into vat	393	440	499	558	589
Days in Milk actual cow days/Peak Cows	15	20	26	31	38
MS/cow/day (Actual kg / Cows into vat only)	1.9	2.0	1.86	1.83	1.9
MS/cow to date (total kgs / Peak Cows 680)	20	29	38	49	60
MS/ha/day (total kgs / Total ha used - eg 161.5ha)	4.6	5.4	5.8	6.38	6.8
MS/ha to date (total kg / Total ha used)	84	29	162	206	254
Herd Average Condition Score					
Whole Herd LW (kgs)					
Soil Temp Tues 10.00am 10cm	7.5	9.0	8.5	8.5	10.0
Growth Rate (kgDM/ha/day)	55	39	60	60	66
Plate meter height - ave half-cms	12.9	11.6	12.0	12.5	11.9
Ave Pasture Cover (x140 + 500)	2308	2133	2180	2248	2166
Pre Grazing cover (ave for week)	3444	3127	2885	2847	2934
Post Grazing cover (ave for week)	1500	1480	1480	1480	1480
Highest pre-grazing cover	3720	3800	3000	3000	3100
Area grazed / day (ave for week)	4.80	4.80	5.10	5.45	7.10
Grazing Interval	33	33	31	29	23
Pasture ME (pre grazing sample)	12.6		12.2		12.1
Pasture % Protein	16.5		24.2		25.6
Pasture % DM	19.2		15.9		16.9
Pasture % NDF	39.1		34.5		32.8
Supplements Type	Grass Silage	Grass Silage	Grass Silage	Grass Silage	0
Supplements fed kg DM/cow/day in paddock	2.2	4.3	4.8	3.2	0.0
Supplements fed to date kg per cow (680 peak)	9	26	50	68	68
Supplements Made Kg DM / ha cumulative	0	0	0	0	0
Units N applied/ha and % of farm	0	40units,22%	38units,26%	35units,23%	35units,19%
Kgs/ha N to Date (on the NON-effluent area 133ha)	23	33	45	54	61
Rainfall (mm)	0.2	16.3	0	0	20.2
ET Weekly Soil & Science readings (mm)	13.5	10.8	11.5	14est	21.7
Days irrigated each week	0	0	0	0	2
Irrigation mm applied per week	0	0	0	0	8.9
Stock Water Consumed litres / cow / day	38est	38est	39	48	29

## Weekly Dataset from Lincoln University Dairy Farm

Date (Totals at end of period)	5-Aug-08	12-Aug-08	19-Aug-08	26-Aug-08	2-Sep-08
Total Cows Wintered (July 1st Total)	704	704	704	704	704
Farm grazing ha (available to milkers)	161.5	161.5	161.5	160	160
Dry Cows on farm / East block / other	310/249/0	207/0/258	163/0/180	255/0/0	203/0/0
Culls (Includes culls put down & empties)	0	0	0	1	0
Culls total to date	0	0	0	0	3
Deaths (Includes cows put down)	0	2	1	1	0
Deaths total to date	0	2	3	4	4
Calved Cows available (Peak Number 680... )	143	237	358	441	494
Treatment / Sick mob total	3	13	19	14	19
<i>lame, mastitis, other, colostrums</i>	0/3/0/0	0/13/0/0	0/19/0/0	0/14/0/0	4/19/0/49
Milking twice a day into vat	63	117	189	310	393
Milking once a day into vat	0	0	0	0	0
Total Cows Milked into vat	63	117	189	310	393
Days in Milk actual cow days/Peak Cows	1	3	6	10	15
MS/cow/day (Actual kg / Cows into vat only)	1.4	1.7	1.88	1.86	1.9
MS/cow to date (total kgs / Peak Cows 680)	1	3	6	13	20
MS/ha/day (total kgs / Total ha used - eg 161.5ha)	0.5	1.2	2.2	3.60	4.6
MS/ha to date (total kg / Total ha used)	2	11	26	56	84
Herd Average Condition Score					
Whole Herd LW (kgs)					
Soil Temp Tues 10.00am 10cm	7.0	4.0	5.5	7.0	7.5
Growth Rate (kgDM/ha/day)	55	10	12	43	55
Plate meter height - ave half-cms	17.0	15.6	14.1	13.6	12.9
Ave Pasture Cover (x140 + 500)	2889	2684	2482	2405	2308
Pre Grazing cover (ave for week)	3400	3416	3636	3677	3444
Post Grazing cover (ave for week)	1500	1500	1500	1500	1500
Highest pre-grazing cover	3500	3550	4200	4200	3720
Area grazed / day (ave for week)	2.50	2.50	3.00	3.50	4.80
Grazing Interval	65	65	54	46	33
Pasture ME (pre grazing sample)			12.6		12.6
Pasture % Protein			20.2		16.5
Pasture % DM			17.2		19.2
Pasture % NDF			33.7		39.1
Supplements Type	0	0	0	0	Grass Silage
Supplements fed kg DM/cow/day in paddock	0.0	0.0	0.0	0.0	2.2
Supplements fed to date kg per cow (680 peak)	0	0	0	0	9
Supplements Made Kg DM / ha cumulative	0	0	0	0	0
Units N applied/ha and % of farm	0	0	40units,9%	40units,34%	0
Kgs/ha N to Date (on the NON-effluent area 133ha)	0	0	5	23	23
Rainfall (mm)	68.4	17.6	17.8	65est	0.2
ET Weekly Soil & Science readings (mm)	7.2	7.2	11.5	5est	13.5
Days irrigated each week	0	0	0	0	0
Irrigation mm applied per week	0	0	0	0	0
Stock Water Consumed litres / cow / day	17	23	23	33	38est

## Weekly Dataset from Lincoln University Dairy Farm

Date (Totals at end of period)	1-Jul-08	8-Jul-08	15-Jul-08	22-Jul-08	29-Jul-08
Total Cows Wintered (July 1st Total)	704	704	704	704	704
Farm grazing ha (available to milkers)	161.5	161.5	161.5	161.5	161.5
Dry Cows on farm / East block / other	126/0/578	0/7/697	0/7/697	165/0/523	287/0/342
Culls (Includes culls put down & empties)	0	0	0	0	0
Culls total to date	0	0	0	0	0
Deaths (Includes cows put down)	0	0	0	0	0
Deaths total to date	0	0	0	0	0
Calved Cows available (Peak Number 680... )				16	75
Treatment / Sick mob total					2
<i>lame, mastitis, other, colostrums</i>					0/2/0/0
Milking twice a day into vat					
Milking once a day into vat					
Total Cows Milked into vat					
Days in Milk actual cow days/Peak Cows					
MS/cow/day (Actual kg / Cows into vat only)					
MS/cow to date (total kgs / Peak Cows 680)					
MS/ha/day (total kgs / Total ha used - eg 161.5ha)					
MS/ha to date (total kg / Total ha used)					
Herd Average Condition Score					
Whole Herd LW (kgs)					
Soil Temp Tues 10.00am 10cm	5.0	5.0	6.0	7.5	6.0
Growth Rate (kgDM/ha/day)	10	8	16	27	19
Plate meter height - ave half-cms	13.4	13.7	14.6	15.7	15.7
Ave Pasture Cover (x140 + 500)	2389	2424	2548	2703	2709
Pre Grazing cover (ave for week)	2850			3200	3550
Post Grazing cover (ave for week)	1450			1450	1500
Highest pre-grazing cover	2850			3200	3600
Area grazed / day (ave for week)	1.00	0.00	0.00	1.00	1.40
Grazing Interval	162	0	0	162	115
Pasture ME (pre grazing sample)					
Pasture % Protein					
Pasture % DM					
Pasture % NDF					
Supplements Type					
Supplements fed kg DM/cow/day in paddock					
Supplements fed to date kg per cow (680 peak)					
Supplements Made Kg DM / ha cumulative					
Units N applied/ha and % of farm	0	0	0	0	0
Kgs/ha N to Date (on the NON-effluent area 133ha)	0	0	0	0	0
Rainfall (mm)	54.4	44.8	2.6	7	56.2
ET Weekly Soil & Science readings (mm)	5.2	9.1	9.0	4.8	5.0
Days irrigated each week	0	0	0	0	0
Irrigation mm applied per week	0	0	0	0	0
Stock Water Consumed litres / cow / day	14	0	0	23	20

## Weekly Dataset from Lincoln University Dairy Farm

Date (Totals at end of period)	3-Jun-08	10-Jun-08	17-Jun-08	24-Jun-08
Total Cows Wintered (July 1st Total)	704	704	704	704
Farm grazing ha (available to milkers)	161.5	161.5	161.5	161.5
Dry Cows on farm / East block / other	126/0/578	126/0/578	126/0/578	0/0/704
Culls (Includes culls put down & empties)	0	0	0	0
Culls total to date	0	0	0	0
Deaths (Includes cows put down)	0	0	0	0
Deaths total to date	0	0	0	0
Calved Cows available (Peak Number 680... )				
Treatment / Sick mob total				
<i>lame, mastitis, other, colostrums</i>				
Milking twice a day into vat				
Milking once a day into vat				
Total Cows Milked into vat				
Days in Milk actual cow days/Peak Cows				
MS/cow/day (Actual kg / Cows into vat only)				
MS/cow to date (total kgs / Peak Cows 680)				
MS/ha/day (total kgs / Total ha used - eg 161.5ha)				
MS/ha to date (total kg / Total ha used)				
Herd Average Condition Score				
Whole Herd LW (kgs)				
Soil Temp Tues 10.00am 10cm	5.0	5.0	7.0	7.0
Growth Rate (kgDM/ha/day)	32	8	19	19
Plate meter height - ave half-cms	12.1	12.0	12.8	13.4
Ave Pasture Cover (x140 + 500)	2205	2190	2302	2389
Pre Grazing cover (ave for week)	2900	2850	2800	
Post Grazing cover (ave for week)	1450	1450	1450	
Highest pre-grazing cover	2900	2850	2800	
Area grazed / day (ave for week)	1.00	1.00	1.00	
Grazing Interval	162	162	162	
Pasture ME (pre grazing sample)				
Pasture % Protein				
Pasture % DM				
Pasture % NDF				
Supplements Type				
Supplements fed kg DM/cow/day in paddock				
Supplements fed to date kg per cow (680 peak)				
Supplements Made Kg DM / ha cumulative				
Units N applied/ha and % of farm	0	0	0	0
Kgs/ha N to Date (on the NON-effluent area 133ha)	0	0	0	0
Rainfall (mm)	2.9	17.6	1	13
ET Weekly Soil & Science readings (mm)	6.0	9.8	8.6	6.3
Days irrigated each week	0	0	0	0
Irrigation mm applied per week	0	0	0	0
Stock Water Consumed litres / cow / day	32	19	42	0