

Weekly Dataset from Lincoln University Dairy Farm

Date (Totals at end of period)	6-May-08	13-May-08	20-May-08	COWS
Total Cows Wintered (July 1st Total)	704	704	704	HAVE
Farm grazing ha (available to milkers)	161.5	161.5	161.5	BEEN
Dry Cows on farm / East block / other	0/46/0	0/197/0	0/210/0	DRIED
Culls (Includes culls put down & empties)	0	65	0	OFF
Culls total to date	29	94	94	
Deaths (Includes cows put down)	0	0	0	THIS
Deaths total to date	11	11	11	IS
Calved Cows available (Peak Number 680...)	610	394	370	THE
Treatment / Sick mob total	6	0	0	LAST
<i>lame, mastitis, other, colostrums</i>	2/6/0/0	0/0/0/0	0/0/0/0	DATA
Milking twice a day into vat	602	394	370	SHEET
Milking once a day into vat	2	0	0	FOR
Total Cows Milked into vat	604	394	370	2007-08
Days in Milk actual cow days/Peak Cows	255	259	263	SEASON
MS/cow/day (Actual kg / Cows into vat only)	1.2	1.22	1.21	
MS/cow to date (total kgs / Peak Cows 680)	405	410	414	
MS/ha/day (total kgs / Total ha used - eg 161.5ha)	4.6	3.0	2.8	
MS/ha to date (total kg / Total ha used)	1705	1725	1744	
Herd Average Condition Score				
Whole Herd LW (kgs)	499	510	519	
Soil Temp Tues 10.00am 10cm	7.5	6.0	6.5	
Growth Rate (kgDM/ha/day)	17	29	19	
Plate meter height - ave half-cms	10.2	10.4	9.9	
Ave Pasture Cover (x140 + 500)	1939	1953	1894	
Pre Grazing cover (ave for week)	2809	2460	2563	
Post Grazing cover (ave for week)	1450	1450	1450	
Highest pre-grazing cover	2870	2772	2708	
Area grazed / day (ave for week)	5.12	3.40	3.40	
Grazing Interval	32	48	48	
Pasture ME (pre grazing sample)				
Pasture % Protein				
Pasture % DM				
Pasture % NDF				
Supplements Type	Grass silage	Grass silage	Grass silage	
Supplements fed kg DM/cow/day in paddock	7.0	6.7	6.7	
Supplements fed to date kg per cow (680 peak)	461	481	502	
Supplements Made Kg DM / ha cumulative	401.8	401.8	401.8	
Units N applied/ha and % of farm	20units,16%	20units,19%	0	
Kgs/ha N to Date (on the NON-effluent area 133ha)	194	199	199	
Rainfall (mm)	53est	0	0.4	
ET Weekly Soil & Science readings (mm)	5est	5est	9.0	
Days irrigated each week	0	0	0	
Irrigation mm applied per week	0	0	0	
Stock Water Consumed litres / cow / day	58	41	54	

Weekly Dataset from Lincoln University Dairy Farm

Date (Totals at end of period)	1-Apr-08	8-Apr-08	15-Apr-08	22-Apr-08	29-Apr-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	0/6/0	0/6/0	0/6/0	0/9/0	0/9/0
Culls (Includes culls put down & empties)	0	3	0	0	0
Culls total to date	26	29	29	29	29
Deaths (Includes cows put down)	0	0	0	0	0
Deaths total to date	11	11	11	11	11
Calved Cows available (Peak Number 680...)	651	650	650	647	647
Treatment / Sick mob total	5	8	5	3	5
<i>lame, mastitis, other, colostrums</i>	7/5/0/0	9/8/0/0	6/5/0/0	4/3/0/0	2/5/0/0
Milking twice a day into vat	639	633	639	640	640
Milking once a day into vat	7	9	6	4	2
Total Cows Milked into vat	646	642	645	644	642
Days in Milk actual cow days/Peak Cows	222	229	236	242	249
MS/cow/day (Actual kg / Cows into vat only)	1.3	1.29	1.30	1.29	1.3
MS/cow to date (total kgs / Peak Cows 680)	363	372	380	389	397
MS/ha/day (total kgs / Total ha used - eg 161.5ha)	5.4	5.1	5.2	5.13	5.1
MS/ha to date (total kg / Total ha used)	1529	1566	1602	1637	1673
Herd Average Condition Score		4.4			
Whole Herd LW (kgs)	477	478	485	485	497
Soil Temp Tues 10.00am 10cm	16.0	14.0	14.0	10.0	12.0
Growth Rate (kgDM/ha/day)	76	49	65	40	46
Plate meter height - ave half-cms	14.6	13.8	13.4	12.5	11.6
Ave Pasture Cover (x140 + 500)	2548	2432	2376	2250	2126
Pre Grazing cover (ave for week)	3635	3781	3557	3505	3243
Post Grazing cover (ave for week)	1480	1480	1480	1480	1480
Highest pre-grazing cover	3738	3904	3600	3757	3340
Area grazed / day (ave for week)	5.40	5.00	4.77	5.00	5.40
Grazing Interval	30	32	34	32	30
Pasture ME (pre grazing sample)		12.0		12.3	
Pasture % Protein		23.0		24.2	
Pasture % DM		15.7		13.4	
Pasture % NDF		36.0		35	
Supplements Type	0	0	Grass silage	Grass silage	Grass silage
Supplements fed kg DM/cow/day in paddock	0.0	0.0	1.2	2.8	4.2
Supplements fed to date kg per cow (680 peak)	357	357	365	384	411
Supplements Made Kg DM / ha cumulative	401.8	401.8	401.8	401.8	401.8
Units N applied/ha and % of farm	0	0	20units,22%	0	20units,22%
Kgs/ha N to Date (on the NON-effluent area 133ha)	179	179	185	185	190
Rainfall (mm)	0	19.2	3est	15est	0
ET Weekly Soil & Science readings (mm)	18.0	15.8	14est	16est	18est
Days irrigated each week	2	0	0	0	0
Irrigation mm applied per week	12	0	0	0	0
Stock Water Consumed litres / cow / day	49	40	38	39	76

Weekly Dataset from Lincoln University Dairy Farm

Date (Totals at end of period)	4-Mar-08	11-Mar-08	18-Mar-08	25-Mar-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	1/0/0	12/6/0/1	0/6/0	0/6/0
Culls (Includes culls put down & empties)	0	0	12	0
Culls total to date	14	14	26	26
Deaths (Includes cows put down)	0	0	0	0
Deaths total to date	11	11	11	11
Calved Cows available (Peak Number 680...)	670	651	651	651
Treatment / Sick mob total	4	3	3	3
<i>lame, mastitis, other, colostrums</i>	8/4/19/0	8/3/0/0	8/3/0/0	4/3/0/0
Milking twice a day into vat	649	640	640	644
Milking once a day into vat	8	8	8	4
Total Cows Milked into vat	657	648	648	648
Days in Milk actual cow days/Peak Cows	196	202	209	216
MS/cow/day (Actual kg / Cows into vat only)	1.52	1.46	1.45	1.38
MS/cow to date (total kgs / Peak Cows 680)	327	337	346	354
MS/ha/day (total kgs / Total ha used - eg 161.5ha)	6.1	5.9	5.8	5.55
MS/ha to date (total kg / Total ha used)	1376.8	1418	1459	1491
Herd Average Condition Score				
Whole Herd LW (kgs)	496	489	483	471
Soil Temp Tues 10.00am 10cm	15.5	16.0	15.5	16.0
Growth Rate (kgDM/ha/day)	76	69	84	96
Plate meter height - ave half-cms	12.2	12.8	13.7	14.8
Ave Pasture Cover (x140 + 500)	2214	2296	2420	2582
Pre Grazing cover (ave for week)	3016	3176	3239	3455
Post Grazing cover (ave for week)	1482	1480	1475	1480
Highest pre-grazing cover	3440	3300	3272	3592
Area grazed / day (ave for week)	7.90	5.70	5.68	5.77
Grazing Interval	20	28	28	28
Pasture ME (pre grazing sample)	11.8		11.9	
Pasture % Protein	24.4		22.3	
Pasture % DM	15.7		15.3	
Pasture % NDF	37.9		35.4	
Supplements Type	Grass silage	Grass silage	Grass silage	Grass silage
Supplements fed kg DM/cow/day in paddock	3.6	3.7	2.9	0.4
Supplements fed to date kg per cow (680 peak)	313	335	354	357
Supplements Made Kg DM / ha cumulative	401.8	401.8	401.8	401.8
Units N applied/ha and % of farm	40units,24%	40units,32%	40units,23%	0
Kgs/ha N to Date (on the NON-effluent area 133ha)	146	168	179	179
Rainfall (mm)	25.2	0	0	0
ET Weekly Soil & Science readings (mm)	20.5	18.6	21.8	21.6
Days irrigated each week	1	3	4	3
Irrigation mm applied per week	6	18	24	18
Stock Water Consumed litres / cow / day	58	65	54	58

Weekly Dataset from Lincoln University Dairy Farm

Date (Totals at end of period)	5-Feb-08	12-Feb-08	19-Feb-08	26-Feb-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	1/0/0	1/0/0	1/0/0	1/0/1
Culls (Includes culls put down & empties)	0	0	1	0
Culls total to date	14	14	15	15
Deaths (Includes cows put down)	0	0	0	0
Deaths total to date	11	11	11	11
Calved Cows available (Peak Number 680...)	671	671	670	670
Treatment / Sick mob total	3	1	0	4
<i>lame, mastitis, other, colostrums</i>	9/2/1/0	11/1/0/0	10/0/0/0	11/4/0/0
Milking twice a day into vat	659	659	660	655
Milking once a day into vat	9	11	10	11
Total Cows Milked into vat	668	670	670	666
Days in Milk actual cow days/Peak Cows	168	175	182	189
MS/cow/day (Actual kg / Cows into vat only)	1.51	1.50	1.44	1.51
MS/cow to date (total kgs / Peak Cows 680)	285	295	307	317
MS/ha/day (total kgs / Total ha used - eg 161.5ha)	6.3	6.2	6.0	6.22
MS/ha to date (total kg / Total ha used)	1198.7	1242	1291	1334
Herd Average Condition Score				
Whole Herd LW (kgs)	474	475	476	485
Soil Temp Tues 10.00am 10cm	17.5	17.5	16.0	17.5
Growth Rate (kgDM/ha/day)	92	78	78	72
Plate meter height - ave half-cms	13.1	12.1	12.1	12.3
Ave Pasture Cover (x140 + 500)	2343	2200	2193	2224
Pre Grazing cover (ave for week)	2931	3225	3010	2974
Post Grazing cover (ave for week)	1480	1480	1506	1480
Highest pre-grazing cover	3010	3300	3440	3136
Area grazed / day (ave for week)	8.60	8.15	8.00	7.30
Grazing Interval	19	20	20	22
Pasture ME (pre grazing sample)			11.8	
Pasture % Protein			22.3	
Pasture % DM			17.3	
Pasture % NDF			35.3	
Supplements Type	0	0	Grass silage	Grass silage
Supplements fed kg DM/cow/day in paddock	0.0	0.0	1.4	5.0
Supplements fed to date kg per cow (680 peak)	242	242	254	288
Supplements Made Kg DM / ha cumulative	401.8	401.8	401.8	401.8
Units N applied/ha and % of farm	25units,21%	25units,23%	25units,39%	0
Kgs/ha N to Date (on the NON-effluent area 133ha)	118	123	129	129
Rainfall (mm)	6	11.8	88.6	0
ET Weekly Soil & Science readings (mm)	28.7	30.6	20.2	33.4
Days irrigated each week	5	3	0	0
Irrigation mm applied per week	30	18	0	0
Stock Water Consumed litres / cow / day	49	63	37	77

Weekly Dataset from Lincoln University Dairy Farm

Date (Totals at end of period)	2-Jan-08	8-Jan-08	15-Jan-08	22-Jan-08	29-Jan-08
Total Cows Wintered (July 1st Total)	704	704	704	704	704
Farm grazing ha (available to milkers)	155	155	155	161.5	161.5
Dry Cows on farm / East block / other	0/0/0	0/0/0	1/0/0	1/0/0	1/0/0
Culls (Includes culls put down & empties)	0	0	0	0	5
Culls total to date	9	9	9	9	14
Deaths (Includes cows put down)	0	0	0	0	0
Deaths total to date	11	11	11	11	11
Calved Cows available (Peak Number 680...)	677	677	676	676	671
Treatment / Sick mob total	3	4	7	5	4
<i>lame, mastitis, other, colostrums</i>	10/3/0/0	10/4/0/0	8/6/2/0	7/5/1/0	9/4/1/0
Milking twice a day into vat	664	663	660	666	658
Milking once a day into vat	10	10	8	5	9
Total Cows Milked into vat	674	673	668	671	667
Days in Milk actual cow days/Peak Cows	134	140	147	154	161
MS/cow/day (Actual kg / Cows into vat only)	1.60	1.56	1.64	1.58	1.6
MS/cow to date (total kgs / Peak Cows 680)	232	241	253	264	274
MS/ha/day (total kgs / Total ha used - eg 161.5ha)	6.9	6.8	7.1	6.58	6.4
MS/ha to date (total kg / Total ha used)	977.4	1016	1064	1110	1155
Herd Average Condition Score					
Whole Herd LW (kgs)	474	481	476	475	483
Soil Temp Tues 10.00am 10cm	17.5	17.5	17.5	17.5	17.5
Growth Rate (kgDM/ha/day)	74	85	95	75	94
Plate meter height - ave half-cms	11.6	12.2	12.7	11.9	12.6
Ave Pasture Cover (x140 + 500)	2134	2206	2277	2164	2264
Pre Grazing cover (ave for week)	2865	2736	3138	2964	2921
Post Grazing cover (ave for week)	1450	1450	1480	1480	1480
Highest pre-grazing cover	2930	2900	3412	3200	3000
Area grazed / day (ave for week)	7.90	7.90	7.40	7.50	8.10
Grazing Interval	20	20	21	22	20
Pasture ME (pre grazing sample)	12.1		11.7		12
Pasture % Protein	21.1		21.8		22.8
Pasture % DM	17.7		14.7		16.4
Pasture % NDF	35.0		26.6		34.4
Supplements Type	Grass silage	Grass silage	0	0	0
Supplements fed kg DM/cow/day in paddock	2.5	3.4	0.0	0.0	0.0
Supplements fed to date kg per cow (680 peak)	221	242	242	242	242
Supplements Made Kg DM / ha cumulative	342.1	342.1	363	392.7	401.8
Units N applied/ha and % of farm	25units,44%	25units,33%	0	0	0
Kgs/ha N to Date (on the NON-effluent area 133ha)	104	114	114	114	114
Rainfall (mm)	0	0.4	0	0	0
ET Weekly Soil & Science readings (mm)	35.3	35	48.0	37.6est	31.6est
Days irrigated each week	5	7	7	7	4
Irrigation mm applied per week	30	42	42	42	24
Stock Water Consumed litres / cow / day	50	69	59	60	46

Weekly Dataset from Lincoln University Dairy Farm

Date (Totals at end of period)	4-Dec-07	11-Dec-07	18-Dec-07	26-Dec-07	2-Jan-08
Total Cows Wintered (July 1st Total)	704	704	704	704	704
Farm grazing ha (available to milkers)	155	155	155	155	155
Dry Cows on farm / East block / other	0/0/0	0/0/0	0/0/0	0/0/1	0/0/0
Culls (Includes culls put down & empties)	0	0	1	0	0
Culls total to date	8	8	9	9	8
Deaths (Includes cows put down)	0	0	0	0	0
Deaths total to date	11	11	11	11	11
Calved Cows available (Peak Number 680...)	678	678	677	677	677
Treatment / Sick mob total	8	7	3	5	3
<i>lame, mastitis, other, colostrums</i>	5/3/0/0	3/4/0/0	7/3/0/0	9/4/1/0	10/3/0/0
Milking twice a day into vat	660	669	667	658	664
Milking once a day into vat	4	2	7	14	10
Total Cows Milked into vat	664	671	674	672	674
Days in Milk actual cow days/Peak Cows	105	112	119	127	134
MS/cow/day (Actual kg / Cows into vat only)	1.77	1.70	1.62	1.60	1.60
MS/cow to date (total kgs / Peak Cows 680)	186	197	208	221	232
MS/ha/day (total kgs / Total ha used - eg 161.5ha)	7.5	7.4	7.0	6.65	6.9
MS/ha to date (total kg / Total ha used)	781.2	831	878	931	977.4
Herd Average Condition Score					
Whole Herd LW (kgs)	463	463	470	469	474
Soil Temp Tues 10.00am 10cm	15.0	18.0	17.0	15.5	17.5
Growth Rate (kgDM/ha/day)	90	98	103	67	74
Plate meter height - ave half-cms	14.1	13.3	13.6	11.4	11.6
Ave Pasture Cover (x140 + 500)	2474	2372	2409	2097	2134
Pre Grazing cover (ave for week)	3432	3383	3460	3145	2865
Post Grazing cover (ave for week)	1480	1480	1480	1480	1450
Highest pre-grazing cover	3650	3500	3510	3400	2930
Area grazed / day (ave for week)	6.30	6.50	6.50	7.90	7.90
Grazing Interval	25	24	24	20	20
Pasture ME (pre grazing sample)	11.9	12.0			12.1
Pasture % Protein	23.3	28.5			21.1
Pasture % DM	15.8	14.8			17.7
Pasture % NDF	37.5	32.7			35.0
Supplements Type	0	0	Day grazing Run off	0	Grass silage
Supplements fed kg DM/cow/day in paddock	0.0	0.0	1.0	0.0	2.5
Supplements fed to date kg per cow (680 peak)	196	196	204	204	221
Supplements Made Kg DM / ha cumulative	137.1	223.9	223.9	342.1	342.1
Units N applied/ha and % of farm	0	0	0	0	25units,44%
Kgs/ha N to Date (on the NON-effluent area 133ha)	90	90	90	90	104
Rainfall (mm)	18.8	1.2	37est	17est	8.2est
ET Weekly Soil & Science readings (mm)	44.0	36	22est	20est	36.2est
Days irrigated each week	3	5	2	2	5
Irrigation mm applied per week	18	30	12	12	30
Stock Water Consumed litres / cow / day	33	39	33	37	50

Weekly Dataset from Lincoln University Dairy Farm

Date (Totals at end of period)	6-Nov-07	13-Nov-07	20-Nov-07	27-Nov-07
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	1/0/0	1/0/0	0	0/01/1900
Culls (Includes culls put down & empties)	0	0	4	0
Culls total to date	4	4	8	8
Deaths (Includes cows put down)	0	0	0	0
Deaths total to date	11	11	11	12
Calved Cows available (Peak Number 680...)	683	683	679	678
Treatment / Sick mob total	4	1	3	4
<i>lame, mastitis, other, colostrums</i>	5/3/1/1	4/1/1/0	2/3/0/0	3/3/1/0
Milking twice a day into vat	674	678	677	672
Milking once a day into vat	5	4	2	3
Total Cows Milked into vat	679	682	679	675
Days in Milk actual cow days/Peak Cows	77	85	92	99
MS/cow/day (Actual kg / Cows into vat only)	1.91	1.93	1.94	1.85
MS/cow to date (total kgs / Peak Cows 680)	134	147	161	174
MS/ha/day (total kgs / Total ha used - eg 161.5ha)	8.0	8.2	8.1	7.74
MS/ha to date (total kg / Total ha used)	562.4	620	676	731
Herd Average Condition Score				
Whole Herd LW (kgs)	439	453	460	
Soil Temp Tues 10.00am 10cm	14.7	14.7	16.0	16.0
Growth Rate (kgDM/ha/day)	79	93	85	105
Plate meter height - ave half-cms	12.1	12.8	12.6	14.1
Ave Pasture Cover (x140 + 500)	2196	2304	2275	2481
Pre Grazing cover (ave for week)	2568	2852	3044	3059
Post Grazing cover (ave for week)	1450	1450	1480	1480
Highest pre-grazing cover	2690	3160	3160	3160
Area grazed / day (ave for week)	7.20	7.50	8.20	7.20
Grazing Interval	22	22	20	22
Pasture ME (pre grazing sample)		12.2		
Pasture % Protein		23.8		
Pasture % DM		15.1		
Pasture % NDF		31.2		
Supplements Type	Grass silage	Grass silage	0	0
Supplements fed kg DM/cow/day in paddock	5.3	2.4	0.0	0.0
Supplements fed to date kg per cow (680 peak)	179	196	196	196
Supplements Made Kg DM / ha cumulative	137.1	137.1	137.1	137.1
Units N applied/ha and % of farm	20units,35%	0	0	0
Kgs/ha N to Date (on the NON-effluent area 133ha)	90	90	90	90
Rainfall (mm)	2.8	0	26	0
ET Weekly Soil & Science readings (mm)	31.5	28.7	28.8	40.0
Days irrigated each week	5	6	3	7
Irrigation mm applied per week	30	36	18	42
Stock Water Consumed litres / cow / day	75	43	55	47

Weekly Dataset from Lincoln University Dairy Farm

Date (Totals at end of period)	2-Oct-07	9-Oct-07	16-Oct-07	23-Oct-07	30-Oct-07
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	0/55/0	0/19/0	0/8/0	0/7/0	0/2/0
Culls (Includes culls put down & empties)	0	0	2	0	0
Culls total to date	2	2	4	4	4
Deaths (Includes cows put down)	0	2	3	0	1
Deaths total to date	5	7	10	10	11
Calved Cows available (Peak Number 680...)	641	660	682	683	684
Treatment / Sick mob total	8	9	7	2	3
<i>lame, mastitis, other, colostrums</i>	7/6/2/13	8/8/1/15	7/7/1/14	3/2/1/1	7/2/2/2
Milking twice a day into vat	587	601	625	640	668
Milking once a day into vat	25	27	29	28	10
Total Cows Milked into vat	612	628	654	668	678
Days in Milk actual cow days/Peak Cows	43	49	56	63	71
MS/cow/day (Actual kg / Cows into vat only)	2.05	2.02	1.84	1.86	2.0
MS/cow to date (total kgs / Peak Cows 680)	68	81	94	107	120
MS/ha/day (total kgs / Total ha used - eg 161.5ha)	7.4	7.9	7.5	7.71	8.2
MS/ha to date (total kg / Total ha used)	287.4	342	395	449	506
Herd Average Condition Score					
Whole Herd LW (kgs)	451	452	447	433	439
Soil Temp Tues 10.00am 10cm	10.9	10.9	11.4	12.6	14.4
Growth Rate (kgDM/ha/day)	82	82	76	51	70
Plate meter height - ave half-cms	13.5	11.7	12.1	10.8	11.0
Ave Pasture Cover (x140 + 500)	2385	2143	2200	2024	2040
Pre Grazing cover (ave for week)	1480	3529	2809	2921	2765
Post Grazing cover (ave for week)	3330	1480	1450	1450	1450
Highest pre-grazing cover	3360	3944	2852	3020	2850
Area grazed / day (ave for week)	8.77	9.00	8.10	8.30	7.20
Grazing Interval	18	18	20	19	22
Pasture ME (pre grazing sample)		12.5			12.5
Pasture % Protein		22.8			24.5
Pasture % DM		32.5			18.4
Pasture % NDF		16.6			34.4
Supplements Type	0	0	Grass silage	Grass silage	Grass silage
Supplements fed kg DM/cow/day in paddock	0.0	0.0	4.8	0.3	3.8
Supplements fed to date kg per cow (680 peak)	87	87	110	112	141
Supplements Made Kg DM / ha cumulative	58.8	137.1	137.1	137.1	137.1
Units N applied/ha and % of farm	0	20units,47%	20units,32%	0	20units,32%
Kgs/ha N to Date (on the NON-effluent area 133ha)	50	62	70	70	80
Rainfall (mm)	0	32.6	32	7.4	3.6
ET Weekly Soil & Science readings (mm)	17est	25.9	17.7	34.3	35.4
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	40	51	50	59	57

Weekly Dataset from Lincoln University Dairy Farm

Date (Totals at end of period)	7-Sep-07	14-Sep-07	21-Sep-07	28-Sep-07	30-Sep-07
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	159/0/0	0/105/0	0/90/0	0/63/0	
Culls (Includes culls put down & empties)	0	0	0	0	
Culls total to date	2	2	2	0	
Deaths (Includes cows put down)	0	0	1	0	
Deaths total to date	4	4	5	5	
Calved Cows available (Peak Number 680...)	539	584	614	634	
Treatment / Sick mob total	12	7	5	6	
<i>lame, mastitis, other, colostrums</i>	5/11/1/26	6/6/0/26	7/4/1/19	8/4/2/35	
Milking twice a day into vat	477	513	560	585	
Milking once a day into vat	0	0	0	0	
Total Cows Milked into vat	477	513	560	585	
Days in Milk actual cow days/Peak Cows	21	27	33	41	
MS/cow/day (Actual kg / Cows into vat only)	1.76	1.83	1.84	1.99	
MS/cow to date (total kgs / Peak Cows 680)	29	39	49	61	
MS/ha/day (total kgs / Total ha used - eg 161.5ha)	5.2	5.8	6.4	7.19	
MS/ha to date (total kg / Total ha used)	122.5	163	208	258	
Herd Average Condition Score				4.41	
Whole Herd LW (kgs)					
Soil Temp Tues 10.00am 10cm	9.0	7.0	9.0	10.9	
Growth Rate (kgDM/ha/day)	36	37	63	82	
Plate meter height - ave half-cms	12.4	12.3	13.4	14.6	
Ave Pasture Cover (x140 + 500)	2235	2221	2376	2550	
Pre Grazing cover (ave for week)	3500	3688	3250	3295	
Post Grazing cover (ave for week)	1450	1450	1450	1480	
Highest pre-grazing cover	3600	3724	3300	3400	
Area grazed / day (ave for week)	3.40	2.97	3.06	5.40	
Grazing Interval	48	54	53	30	
Pasture ME (pre grazing sample)			12.7	12.4	
Pasture % Protein			20.0	22.7	
Pasture % DM			21.0	16.6	
Pasture % NDF			36.7	32.5	
Supplements Type	Grass silage	Grass silage	Grass silage	0	
Supplements fed kg DM/cow/day in paddock	3.8	3.2	1.0	0.0	
Supplements fed to date kg per cow (680 peak)	65	82	87	87	
Supplements Made Kg DM / ha cumulative	0	0	0	0	
Units N applied/ha and % of farm	40units,17%	40units,17.5%	0	40units,18%	
Kgs/ha N to Date (on the NON-effluent area 133ha)	32	43	43	50	
Rainfall (mm)	25est	0	0	8.2	
ET Weekly Soil & Science readings (mm)	5est	13.4	14.6est	15.6	
Days irrigated each week	0	0	0	0	
Irrigation mm applied per week	0	0	0	0	
Stock Water Consumed litres / cow / day	47	51	51	27	

Weekly Dataset from Lincoln University Dairy Farm

Date (Totals at end of period)	7-Aug-07	14-Aug-07	21-Aug-07	28-Aug-07	31-Aug-07
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	90/364/0	132/229/0	282/0/0	231/0/0	201/0/0
Culls (Includes culls put down & empties)	0	0	0	0	0
Culls total to date	2	2	2	2	2
Deaths (Includes cows put down)	0	1	2	0	0
Deaths total to date	1	2	4	4	4
Calved Cows available (Peak Number 680...)	249	340	419	467	497
Treatment / Sick mob total	17	27	20	13	12
<i>lame, mastitis, other, colostrums</i>	0/14/3/73	0/27/0/58	1/20/0/47	4/13/0/33	3/12/0/37
Milking twice a day into vat	0	211	317	386	433
Milking once a day into vat	113	0	0	0	0
Total Cows Milked into vat	113	211	317	386	433
Days in Milk actual cow days/Peak Cows	1	4	8	12	13
MS/cow/day (Actual kg / Cows into vat only)	1.21	1.42	1.59	1.77	1.8
MS/cow to date (total kgs / Peak Cows 680)	2	5	10	18	20
MS/ha/day (total kgs / Total ha used - eg 161.5ha)	0.8	1.9	3.1	4.23	4.7
MS/ha to date (total kg / Total ha used)	7.4	22	42	77	86
Monitor Group Condition Score					
Monitor Group LW (kgs)			427		433
Soil Temp Tues 10.00am 10cm	6.5	5.8	6.3	7.5	7.5
Growth Rate (kgDM/ha/day)	29	26	31	21	21
Plate meter height - ave half-cms	15.1	15.0	13.6	13.1	13.1
Ave Pasture Cover (x140 + 500)	2623	2606	2410	2337	2337
Pre Grazing cover (ave for week)	4450	3900	3820	3356	3468
Post Grazing cover (ave for week)	1400	1450	1450	1480	1450
Highest pre-grazing cover	4450	3900	3820	3412	3468
Area grazed / day (ave for week)	1.00	1.40	2.90	3.20	3.20
Grazing Interval	162	115	56	50	50
Pasture ME (pre grazing sample)	12.8			12.6	
Pasture % Protein	16.9			22.2	
Pasture % DM	20.5			20.7	
Pasture % NDF	36.4			33.5	
Supplements Type	Grass silage	Grass silage	Grass silage	Grass silage	Grass silage
Supplements fed kg DM/cow/day in paddock	1.7	3.7	3.9	3.9	4.0
Supplements fed to date kg per cow (680 peak)	2	9	23	39	47
Supplements Made Kg DM / ha cumulative	0	0	0	0	0
Units N applied/ha and % of farm	0	0	40units,19%	40units,10%	0
Kgs/ha N to Date (excludes Italian & tetraploid)	11	11	16	23	23
Rainfall (mm)	16	13	5.8	0	0
ET Weekly Soil & Science readings (mm)	6.5	13.2	4.9	14.0	7.5est
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	23	28	29	41	43

Weekly Dataset from Lincoln University Dairy Farm

Date (Totals at end of period)	7-Jul-07	14-Jul-07	21-Jul-07	28-Jul-07	31-Jul-07
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	7/160/537	167/0/537	38/140/526	83/140/480	83/140/481
Culls (Includes culls put down & empties)	0	0	0	0	2
Culls total to date	0	0	0	0	2
Deaths (Includes cows put down)	0	0	0	0	0
Deaths total to date	1	1	1	1	1
Calved Cows available (Peak Number 680...)					151
Treatment / Sick mob total					14
<i>lame, mastitis, other, colostrums</i>					2/14/0/50
Milking twice a day into vat					0
Milking once a day into vat					74
Total Cows Milked into vat					74
Days in Milk actual cow days/Peak Cows					88
MS/cow/day (Actual kg / Cows into vat only)					1.1
MS/cow to date (total kgs / Peak Cows 680)					0
MS/ha/day (total kgs / Total ha used - eg 161.5ha)					0.5
MS/ha to date (total kg / Total ha used)					0
Monitor Group Condition Score		4.9			
Monitor Group LW (kgs)					
Soil Temp Tues 10.00am 10cm	4.1	5.5	6.5	8.3	8.3
Growth Rate (kgDM/ha/day)	14	10	27	18	18
Plate meter height - ave half-cms	13.0	13.2	14.2	14.4	14.4
Ave Pasture Cover (x140 + 500)	2330	2350	2486	2521	2512
Pre Grazing cover (ave for week)	4280	4280	4300	1450	4400
Post Grazing cover (ave for week)	1480	1450	1450	1450	1450
Highest pre-grazing cover	4280	4280	4300	1450	1450
Area grazed / day (ave for week)	0.10	0.50	0.87	0.55	0.55
Grazing Interval	1615	323	186	294	294
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	25units,37%	0
Kgs/ha N to Date (excludes Italian & tetraploid)	0	0	0	11	11
Rainfall (mm)	30est	0	8.2	0.2	25.2
ET Weekly Soil & Science readings (mm)	4.5est	5.8est	4.1	14.2	1.9
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	22	29	21	31	31

Weekly and Monthly Dataset from Lincoln University Dairy Farm

Date (Totals at end of period)	7-Jun-07	14-Jun-07	21-Jun-07	28-Jun-07	30-Jun-07
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 blk / other	93/160/452	165/0/545	165/0/544	7/0/696	7/0/697
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	1	0	0
Deaths total to date	0	0	1	1	1
Calved Cows available (Peak Number 670...)					
Treatment / Sick mob total					
<i>lame, mastitis, other, colostrum</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 670)					
MS/ha/day (total kgs / Total ha used - eg 161.5ha)					
MS/ha to date (total kg / Total ha used)					
Herd Average Cond'n Score	4.6			4.8	
Herd Average LW (kgs)					
Soil Temp Tues 10.00am 10cm	8.1	7.5	3.0	4.5	4.5
Growth Rate (kgDM/ha/day)	23	17	8	12	12
Plate meter height - ave half-cms	11.6	11.9	11.6	11.9	11.9
Ave Pasture Cover (x140 + 500)	2124	2165	2123	2165	2165
Pre Grazing cover (ave for week)	3350	3468	3500	3468	3468
Post Grazing cover (ave for week)	1400	1400	1400	1400	1400
highest pregrazing cover	3350	3468	3500	3468	3468
Area grazed / day (ave for week)	0.30	0.60	0.60	0.10	0.10
Grazing Interval	538	269	269	1615	1615
Pasture ME (pre grazing sample)		12.5			13.1
Pasture % Protein		25.7			20.5
Pasture % DM		17.8			18.3
Pasture % NDF		29.8			29.3
Supplements Type					
Supplements fed kg DM/cow/day in pdk	0.0	0.0	0.0	0.0	0.0
Supplements fed to date kg per cow (670 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)	0.6	1.2	22	1.2	36.6
ET Weekly Soil & Science readings (mm)	12.3	7.3	4.4	10.1	1.8
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	34	32	19	25	23