

Probiotic calf trial data 3 years on - FINAL Data Set

Farm 1 - PEN 1 (35-40kgs)			Supplement Pair 1		Fate	Total MS kgs	Days in season	Weight	Weight	Weight	MS Kgs	Days in season	Milk Efficiency	
						May-16	May-16	May-15	May-16	Feb-17	Feb-17	Feb-17	Feb-17	
Calf	Birth Date	25/08/12	Week 7	17/10/12										
31	17-Aug-12	34.0		75.0	a		375	277	429	445	478	327	186	102
33	17-Aug-12	32.8		65.0	a		355	263	412	421	469	315	166	114
34	18-Aug-12	32.2		71.5	a	Late/surplus								
35	18-Aug-12	32.0		63.5	a	Bloat - Died								
38	19-Aug-12	34.0		70.0	a		390	258	423	453	-	-	-	-
39	19-Aug-12	29.6		66.0	a	Kg/Wt yield Works								
41	18-Aug-12	34.0		78.5	a		300	245	-		488	304	191	98
42	20-Aug-12	29.0		60.5	a	Kg/Wt yield Works								
43	19-Aug-12	33.8		68.5	a		463	281	431	465	476	385	181	132
49	21-Aug-12	31.0		66.0	a		394	269	494	513	535	304	183	100
50	19-Aug-12	29.2		54.0	a		376	277	386	396	424	350	183	119
323	14-Aug-12	32.8		69.5	b		318	248			470	224	137	136
330	17-Aug-12	33.8		72.0	b		348	243			493	262	167	108
704	14-Aug-12	32.8		66.0	BULL									
716	18-Aug-12	32.0		65.5	BULL									
Weight Average		32.2		67.4			368.8	262.3	429.2	448.8	479.1	308.9	174.3	113.6

Farm 1 - PEN 2 (35-40kgs)			Control Pair 1										
Calf	Birth Date	25/08/12	Week 7	17/10/12									
37	19-Aug-12	38.4		85.5	a	390	277	495	511	520	322	181	116
46	20-Aug-12	35.6		71.5	a								
55	17-Aug-12	35.4		61.5	a	278	255	-	419	460	257	194	77
56	21-Aug-12	36.0		65.5	a	335	252	-	407	432	299	181	106
339	17-Aug-12	35.2		71.0	b	269	214	316		444	232	146	101
340	17-Aug-12	35.2		68.5									
347	17-Aug-12	35.2		70.0	b	301	275	322		469	222	170	91.0
353	19-Aug-12	35.8		77.0	a								
354	19-Aug-12	35.8		72.0	b	325	277	352		442	215	151	113.0
379	23-Aug-12	35.4		60.5	b	324	282	351		479	203	159	84.0
712	17-Aug-12	36.4		64.0	BULL								
717	18-Aug-12	38.2		73.5	BULL								
720	20-Aug-12	38.6		79.0	BULL								
722	21-Aug-12	38.6		80.5	BULL								
793	17-Aug-12	36.2		70.5	BULL								
Weight Average		36.4		71.4		317.4	261.7	367.2	445.7	463.7	250.0	168.9	98.3

Farm 1 - PEN 3 (40+kgs)			Supplement Pair 2										
Calf	Birth Date	30/08/12	Week 6	10/10/12									
45	21-Aug-12	41.2	Met Target	79.5	a	329	241	-	530	523	370	178	89
336	18-Aug-12	39.8	Weight	75.5	b	338	278	388		503	285	174	101
349	18-Aug-12	43.2		74.0									
358	18-Aug-12	42.2		78.0	b	355	267	-		498	260	134	123
359	19-Aug-12	41.2		82.5									
360	20-Aug-12	41.8		83.5	b	328	272	351		557	243	171	67
714	17-Aug-12	42.0		67.0	BULL								
715	17-Aug-12	39.8		67.5	BULL								
721	21-Aug-12	40.4		69.0	BULL								
724	21-Aug-12	41.2		63.5	BULL								
789	21-Aug-12	41.2		73.5	STEER								
791	20-Aug-12	42.2		78.0	STEER								
792	18-Aug-12	39.4		58.5									
794	18-Aug-12	44.0		69.0	STEER								
797	16-Aug-12	39.2		75.0	STEER								
Weight Average		41.3		72.9		337.5	264.5	369.5	530.0	520.3	289.5	164.3	95.0

Farm 1 - PEN 4 (40+kgs)			Control Pair 2										
Calf	Birth Date	30/08/12	Week 6	10/10/12									
3	7-Aug-12	46.6	Met Target	84.0	a	430	270	467	491	523	322	191	77
7	9-Aug-12	40.8	Weight	75.5	a	409	259	-	492	518	304	145	124
10	13-Aug-12	41.8		75.0	a	353	284	435	434	474	341	195	105
17	13-Aug-12	39.0		77.5	a								
25	18-Aug-12	41.2		70.5	a	340	246	468	460	506	314	178	109
300	8-Aug-12	41.4		75.0	a	313	276	335	506	522	303	177	100
303	5-Aug-12	42.5		83.0	b			369		509	268	146	93
305	9-Aug-12	42.6		90.0									
332	17-Aug-12	40.4		81.5	b	316	275	-		506	225	178	72
341	18-Aug-12	33.6		57.5	b	291	238	284		426	248	171	74
702	12-Aug-12	45.0		80.0	BULL								
707	14-Aug-12	43.0		83.5	STEER								
708	15-Aug-12	51.5		99.5	STEER								
709	17-Aug-12	43.6		82.5	BULL								
800	10-Aug-12	49.6		99.0	BULL								
Weight Average		42.8		80.9		350.3	264.0	393.0	476.6	498.0	290.6	172.6	94.3

SFF # 404979 - 2016-17 Are there long term advantages in giving probiotic supplements to neo-natal calves?

Farm 1 - PEN 5 (<35kgs)			Supplement Pair 3	Fate	Total MS kgs	Days in season	Weight	Weight	Weight	MS Kgs	Days in season	Milk Efficiency
					May-16	May-16	May-15	May-16	Feb-17	Feb-17	Feb-17	Feb-17
Calf	Birth Date	28/08/12	Week 7	17/10/12								
48	18-Aug-12	34.0		75.0	Sold or culled?							
316	13-Aug-12	32.8		65.0	b	268	279	326	397	220	175	125.0
326	15-Aug-12	32.8		66.5	b	289	282	331	426	228	177	117.0
331	17-Aug-12	30.2		69.5	b	331	279	348	443	228	162	90.0
333	17-Aug-12	31.4		62.0	Sold or culled?							
337	17-Aug-12	34.0		76.5	b	299	272	-	421	224	144	109.0
338	17-Aug-12	33.2		73.5	Sold or culled?							
345	18-Aug-12	29.8		69.0	b	338	258	322	458	279	172	110.0
346	18-Aug-12	33.2		62.5	Sold or culled?							
356	18-Aug-12	34.4		Died	DIED Wk 7							
357	18-Aug-12	33.8		66.5	b	336	280	350	479	234	169	107.0
362	20-Aug-12	31.8		63.0	Sold or culled?							
365	21-Aug-12	33.6		68.0	Sold or culled?							
367	21-Aug-12	32.8		72.5	b	305	281	372	459	221	170	110.0
713	17-Aug-12	29.8		61.0	BULL							
Weight Average			32.5	67.9		309.4	275.9	341.5	440.4	233.4	167.0	109.7

Farm 1 - PEN 6 (<35kgs)			Control Pair 3									
Calf	Birth Date	28/08/12	Week 7	17/10/12								
40	21-Aug-12	31.0		67.0	a	286	247	-	466	253	188	82
51	21-Aug-12	34.6		75.0	a	331	275	433	444	479	313	94
324	15-Aug-12	33.0		67.5	b	376	282	321	444	269	168	117
342	16-Aug-12	31.4		72.5	Sold or culled?							
366	21-Aug-12	31.2		66.0	b	317	280	307	412	201	135	116
377	23-Aug-12	34.4		79.0	a	384	258	319	463	497	357	122
378	23-Aug-12	34.2		73.5	a							
388	25-Aug-12	33.6		69.0	b							
389	25-Aug-12	30.4		52.0	Sold or culled?	252	243	333	439	210	151	100
390	25-Aug-12	34.6		75.0	b	294	247	387	-	-	-	-
391	25-Aug-12	32.4		62.0	b	299	271	357	440	235	174	73
393	26-Aug-12	34.2		68.5	b	295	286	314	408	242	169	113
395	25-Aug-12	32.2		75.5	Sold or culled?							
782	24-Aug-12	33.4		73.0	STEER							
784	22-Aug-12	32.4		70.0	STEER							
Weight Average			32.9	69.7		314.9	265.4	346.4	453.5	448.1	260.0	102.1
43/67 heifer calves												

Farm 2 - PEN A - SUPPLEMENT Pair 4			Fate	Total MS kgs	Days in milk	MS kgs	Days in milk
				May-16	As at May-16	As at Feb17	As at Feb17
Calf	Birth Date	24/08/12	Week 9	29/10/12			
57	22/08/12	39.0		81.5		302	151
59	22/08/12	35.0		83.0		349	167
60	22/08/12	35.4		89.0	Sold - empty 06/14		
62	22/08/12	49.6		92.5		295	167
64	22/08/12	36.6		77.0		332	166
65	23/12/12	37.0		86.0		313	167
66	23/12/12	31.8		75.5		354	167
67	23/12/12	39.6		89.5		356	155
68	23/12/12	37.4		82.5		310	167
69	23/12/12	33.8		82.5	Sold - surplus 06/14		
72	23/12/12	36.6		76.5	Sold - surplus 06/14		
Weight Average			37.4	83.2		326	163

Farm 2 - PEN 1 - CONTROL Pair 4							
Calf	Birth Date	24/08/12	Week 9	29/10/12			
49	21/08/12	32.4		72.5	Sold - surplus 06/14		
50	21/08/12	33.6		44.5	Fate - unknown		
51	21/08/12	37.8		92.5		327	167
52	21/08/12	44.6		90.0	Culled - other causes 11/14		
55	22/08/12	35.8		85.5	Died - milk fever 08/15		
56	22/08/12	42.2		82.0		307	144
77	24/08/12	36.2		89.0	Empty - sold 01/14		
78	24/08/12	40.0		87.0		324	166
79	24/08/12			Died	DIED Wk 1		
80	24/08/12	37.4		72.0	Sold - surplus 06/14		
81	24/08/12	35.8		82.0		413	167
83	24/08/12	36.2		69.0		322	167
Weight Average			37.5	78.7		339	162

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Farm 2 - PEN B - SUPPLEMENT Pair 5

Calf	Birth Date	27/08/12	Week 9*	29/10/12	Fate	Total MS kgs	Days in season	MS kgs	Days in milk
						May-16	As at May-16	As at Feb17	As at Feb17
58	22/08/12	33.5		91.0	Empty - culled 06/14				
61	22/08/12	50.5		94.5		362	162	360	167
63	22/08/12	31.0		74.0	Not in herd by Feb17	316	145		
70	23/08/12	33.0		78.0	Not in herd by Feb17	373	192		
71	23/08/12	30.0		62.5	Culled - other causes 11/14				
73	23/08/12	25.0		60.0		342	166	351	167
74	24/08/12	36.0		89.5		346	166	313	167
75	24/08/12	34.5		70.0		375	192	291	167
76	24/08/12	36.5		86.0		376	174	294	142
91	26/08/12	32.0		70.5		343	142	375	167
92	26/08/12	31.0		67.0	Empty - sold 06/15				
93	26/08/12	37.5		76.0	Empty - sold 03/14				
Weight Average		34.2		76.6		354	167	331	163

Farm 2 - PEN 2 - CONTROL Pair 5

Calf	Birth Date	27/08/12	Week 9*	29/10/12					
53	21/08/12	31.0		71.0		322	180	224	167
82	24/08/12	36.2		79.0	Died - bloat 05/15				
84	25/08/12	30.4		64.0		388	193	358	149
85	25/08/12	33.4		74.0		376	195	358	176
87	26/08/12	37.8		81.5		389	191	364	157
88	26/08/12	33.0		76.0	Empty - sold 06/15				
89	26/08/12	32.8		68.0		393	191	379	167
90	26/08/12	31.6		65.0	Empty - sold 06/15				
95	27/08/12	36.0		64.5	Culled - other causes 10/15				
96	27/08/12	26.5		Died	DIED Wk 1				
97	27/08/12	36.0		74.5		332	165	298	167
105	30/08/12			55.5	Late calving '15	155	75	309	149
Weight Average		33.2		70.3		336	170	327	162

Farm 2 - PEN C - SUPPLEMENT Pair 6

Calf	Birth Date	3/09/12	Week 8	29/10/12					
98	28/08/12	34.0		68.5	Fate - unknown				
99	28/08/12	38.5		74.0		336	181	325	151
100	28/08/12	34.5		65.5	Not in herd by Feb17	388	186		
102	28/08/12	42.0		74.5		338	181	336	167
103	28/08/12	37.5		77.0		385	168	336	167
104	30/08/12	36.5		65.5		448	194	362	167
109	30/08/12	30.5		62.5	Sold - surplus 06/14				
117	01/09/12	37.5		76.0		355	173	346	161
120	02/09/12	30.5		62.0		407	192	341	167
121	03/09/12	30.0		61.0		365	183	243	167
125	03/09/12	25.5		56.0		340	189	284	142
126	03/09/12	38.0		69.5		379	193	339	144
Weight Average		34.6		67.7		374	184	324	159

Farm 2 - PEN 3 - CONTROL Pair 6

Calf	Birth Date	3/09/12	Week 8	29/10/12					
106	30/08/12	37.2		70.5		367	187	284	161
107	30/08/12	41.0		55.5		340	187	279	119
108	30/08/12	38.4		77.0		383	183	281	162
110	30/08/12	36.4		64.5		321	173	306	164
111	31/08/12	33.2		62.0	Culled - other causes 04/15				
112	31/08/12	37.4		76.0		312	176	315	167
113	31/08/12	34.0		71.0	Late calving '15	176	75	379	162
114	31/08/12	35.8		71.5	Fate - unknown				
115	31/08/12	49.0		91.0	Culled - other causes 10/15				
116	01/09/12	32.5		61.5	Culled - udder breakdown 03/15				
119	02/09/12	34.0		56.0		342	195	238	141
123	03/09/12	27.4		53.5		399	195	271	161
Weight Average		37.2		67.5		330	171	294	155

Farm 2 - PEN 4 - CONTROL Pair 7Farm 3 - PEN ASUPPLEMENT Pair 8

* MS/kg for Farm 3 taken from Litres/8.84 for all cows

Farm 3 - PEN B

CONTROL Pair 8

Weight Average

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Farm 3 - PEN C

SUPPLEMENT Pair 9

Calf	Birth Date	27/08/12	Week 7	15/10/12	Fate	Litres of milk	Days in season	MS kgs(est.)	SCC Apr 16	MS Kgs	Days in season
						2015-16	2015-16	2015-16		Oct-16	As at Oct-16
48	14-Aug	41		65	Sold - in calf						
50	15-Aug	31		60	Culled -empty						
51	15-Aug	34		62		2735	209	242	74	88	38
52	14-Aug	35		55	Culled -other causes						
53	15-Aug	38		64	Culled -empty						
54	16-Aug	36		65		3915	255	346	197	191	51
55	16-Aug	45		67		5101	289	451	46	126	58
56	16-Aug	27		52		3586	261	317	192	263	74
58	16-Aug	42		61		4177	288	369	49	88	40
62	17-Aug	29		59		2269	302	201	50	114	55
65	19-Aug	32		54		2978	277	263	143	126	64
66	19-Aug	25		43		3484	287	308	97	114	61
67	20-Aug	37		55		5076	267	449	53	92	35
70	20-Aug	29		54		3284	281	290	130	91	58
72	20-Aug	44		79		4982	287	440	44	105	46
75	21-Aug	34		61	Sold - in calf						
77	22-Aug	28		60	Culled -type/conformation						
80	16-Aug	42		77	Culled -other causes						
81	23-Aug	24		51	Sold - in calf						
83	23-Aug	25		46		3285	276	290	410	121	61
87	24-Aug	28		56		2896	315	256	38	102	57
88	26-Aug	22		39	Culled -empty						
89	26-Aug	21		41	Culled -other causes						
90	26-Aug	29		56		3514	238	311	4334	146	66
102	25-Aug	30		Died	DIED Wk 4 (Acc)						
Weight Average		32.3		57.6		3663	274	324		126.2	54.6

Farm 3 - PEN D

CONTROL Pair 9

Calf	Birth Date	27/08/12	Week 7	15/10/12	Fate	Litres of milk	Days in season	MS kgs(est.)	SCC Apr 16	MS Kgs	Days in season
31	9-Aug	38		56		2207	251	195	Lost sample	187	70
44	13-Aug	29		51	Sold - in calf						
45	14-Aug	35		65	Sold - in calf						
46	14-Aug	29		56		3598	305	318	32	138	63
47	14-Aug	35		60		2531	276	224	426	149	63
49	15-Aug	35		59		3474	247	307	85	-	-
57	16-Aug	40		60		3201	273	283	149	123	67
59	16-Aug	28		54		3682	282	325	48	113	54
60	17-Aug	38		68		4733	284	418	65	161	70
61	17-Aug	46		76	Culled -empty						
63	18-Aug	30		45	DIED Bloat						
64	19-Aug	28		48	Culled -other causes						
68	19-Aug	25		44	Culled -empty						
69	19-Aug	27		46	Culled -other causes						
71	20-Aug	25		39	Sold - in calf						
73	18-Aug	27		49	Culled -type/conformation						
74	21-Aug	32		59	Culled -other causes						
76	20-Aug	33		55		3665	276	324	46	110	56
78	22-Aug	23		42		3988	282	353	70	90	45
79	21-Aug	36		56		4095	282	362	201	133	58
82	23-Aug	27		48	Culled -other causes						
84	24-Aug	43		71		4176	251	369	54	157	69
85	25-Aug	22		43	Culled -empty						
86	25-Aug	32		60		4021	306	355	336	78	33
157 (Bull)	25-Aug	42		70	Bull calf						
Weight Average		32.2		55.2		3614	276	319		130.8	58.9

Farm 3 - PEN E

SUPPLEMENT Pair 10

Calf	Birth Date	10/09/12	Week 7	29/10/12	Fate	Litres of milk	Days in season	MS kgs(est.)	SCC Apr 16	MS Kgs	Days in season
91	26-Aug	32		57	Sold - in calf						
93	26-Aug	28		53		2879	287	255	33	124	70
94	27-Aug	52		84		4722	297	417	66	-	-
96	27-Aug	33		56		3683	295	326	111	96	50
98	28-Aug	25		50	Culled -empty						
99	28-Aug	34		52		3105	246	274	59	154	72
105	31-Aug	30		53		2915	279	258	92	83	44
106	31-Aug	35		56		3485	288	308	106	115	54
110	3-Sep	30		49		3410	254	301	1482	-	-
116	8-Sep	25		40		3690	247	326	18	-	-
117	8-Sep	28		37		3672	282	325	18	106	55
118	5-Sep	28		48		3103	254	274	55	75	42
121	7-Sep	38		61		4610	256	408	134	-	-
122	7-Sep	37		57		4503	301	398	71	93	64
123	7-Sep	27		37	Culled -other causes						
126	9-Sep	30		42	Sold - in calf						
Weight Average		32.0		52.0		3648	274	322		105.8	56.4

Farm 3 - PEN F

CONTROL Pair 10

Calf	Birth Date	10/09/12	Week 7	29/10/12	Fate	Litres of milk	Days in season	MS kgs(est.)	SCC Apr 16	MS Kgs	Days in season
92	25-Aug	46		71		921	205	81	221	-	-
97	27-Aug	36		43		2923	253	258	77	75	41
101	28-Aug	36		57	Culled -empty						
103	29-Aug	47		66	Culled -other causes						
104	30-Aug	31		53	Sold - in calf						
107	1-Sep	32		51		3537	276	313	26	114	57
108	1-Sep	30		49	Culled -type/conformation						
111	4-Sep	33		56		3516	231	311	102	72	28
112	4-Sep	32		45		3382	287	299	77	145	69
113	8-Sep	26	DIED Wk2								
114	8-Sep	26	DIED Wk6								
115	8-Sep	24	DIED Wk1								
119	5-Sep	29		52		4441	281	393	72	139	36
120	6-Sep	30		47	Sold - in calf						
124	7-Sep	27	DIED Wk 7								
125	10-Sep	28	DIED Wk2								
Weight Average		32.1		53.6		3120	256	276		109.0	46.2

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