

Greenmount Future Herd
Selective dry cow therapy results 17-18 season

Cow	lactation post calve	Pre dry off SCC's		Teat sealant only	Post calving SCC's	
		-2 months	-1 months	Dry period result	+ 1 month	+ 2 months
412	2	32	41	Low-Low	n/a	21
241	2	32	29	Low-Low	10	11
392	2	54	67	Low-Low	12	29
402	2	20	25	Low-Low	12	10
395	2	104	83	Low-Low	13	28
238	2	27	45	Low-Low	14	42
403	2	29	32	Low-Low	15	28
415	2	25	52	Low-Low	16	38
414	2	108	n/a	Low-Low	18	16
409	2	67	n/a	Low-Low	19	54
428	2	59	50	Low-Low	20	16
242	2	15	n/a	Low-Low	20	32
411	2	27	13	Low-Low	23	20
393	2	71	45	Low-Low	29	13
419	2	16	21	Low-Low	32	31
237	2	24	26	Low-Low	34	72
408	2	27	70	Low-Low	36	31
244	2	50	30	Low-Low	38	12
427	2	21	49	Low-Low	44	10
391	2	63	167	Low-Low	48	11
399	2	38	47	Low-Low	79	87
417	2	23	18	Low-Low	149	163
410	2	70	43	Low-Low	156	113
416	2	19	24	Low-Low	178	76
426	2	29	27	Low-Low	n/a	11
384	3	27	133	Low-Low	10	397
388	3	n/a	40	Low-Low	13	119
389	3	27	33	Low-Low	13	15
368	3	45	56	Low-Low	14	17
383	3	21	15	Low-Low	15	14
229	3	66	157	Low-Low	16	14
398	3	22	19	Low-Low	16	30
363	3	55	114	Low-Low	18	15
232	3	27	62	Low-Low	18	10
382	3	72	37	Low-Low	20	8
358	3	62	38	Low-Low	21	42
364	3	51	98	Low-Low	22	12
367	3	73	153	Low-Low	22	8
359	3	21	25	Low-Low	24	2219
378	3	105	120	Low-Low	29	63
374	3	32	44	Low-Low	36	17
362	3	36	70	Low-Low	44	88
379	3	23	37	Low-Low	46	24
361	3	18	27	Low-Low	47	37
352	3	38	55	Low-Low	50	54

360	3	58	72	Low-Low	83	59
235	3	67	92	Low-Low	99	13
225	4	58	35	Low-Low	14	30
214	4	41	153	Low-Low	15	9
356	4	159	138	Low-Low	16	15
365	4	33	37	Low-Low	17	20
346	4	44	49	Low-Low	24	197
354	4	38	28	Low-Low	31	13
339	4	120	38	Low-Low	46	9
220	4	30	66	Low-Low	48	19
227	4	177	169	Low-Low	93	81
224	4	113	148	Low-Low	98	16
222	4	118	122	Low-Low	104	690
342	4	58	49	Low-Low	109	69
223	4	100	92	Low-Low	n/a	14
310	5	54	47	Low-Low	8	31
213	5	25	29	Low-Low	11	10
316	5	63	76	Low-Low	11	15
314	5	19	57	Low-Low	14	53
308	5	48	36	Low-Low	37	9
302	5	204	95	Low-Low	51	21
200	5	128	178	Low-Low	63	33
315	5	78	118	Low-Low	75	29
322	5	43	39	Low-Low	79	24
323	5	36	30	Low-Low	105	395
320	5	17	23	Low-Low	106	431
327	5	38	105	Low-Low	119	34
965	6	40	150	Low-Low	35	9
971	6	112	72	Low-Low	87	88
994	6	56	61	Low-Low	105	64
974	6	78	92	Low-Low	148	cull
979	6	88	114	Low-Low	167	1797
914	7	42	40	Low-Low	54	14
895	8	54	105	Low-Low	44	14
885	8	89	95	Low-Low	68	n/a
815	9	61	87	Low-Low	61	29
836	9	59	78	Low-Low	84	12
404	2	n/a	112	Low-High	429	25
400	2	44	58	Low-High	1182	23
407	2	35	24	Low-High	mastitis	828
385	3	28	25	Low-High	367	142
366	3	36	59	Low-High	646	1984
386	3	60	71	Low-High	1099	54
355	4	16	21	Low-High	254	1691
345	4	71	71	Low-High	346	26
326	5	30	65	Low-High	831	473
991	6	135	152	Low-High	344	49
841	9	17	75	Low-High	216	121
160	10	46	58	Low-High	n/a	222

No dry cow antibiotics		number of cows
Low-Low	82	
Low-High	12	
Dry period PROTECTION	87%	

Cow	lactation post calve	Pre dry off SCC's		dry cow antibiotic + teat sealant	Post calving SCC's	
		-2 months	-1 months	Dry period result	+ 1 month	+ 2 months
394	2	58	35	Low-Low	41	8
972	5	643	57	Low-Low	31	n/a
333	4	4443	89	Low-Low	62	23
995	6	183	113	Low-Low	39	52
413	2	172	122	Low-Low	12	21
422	2	235	141	Low-Low	24	9
312	4	124	162	Low-Low	62	113
425	2	280	170	Low-Low	32	35
396	2	175	185	Low-Low	28	24
882	7	59	78	Low-High	300	108
397	2	207	213	High-Low	29	9
984	5	60	217	High-Low	21	35
920	7	256	217	High-Low	81	187
301	5	187	228	High-Low	25	21
324	5	133	232	High-Low	27	24
964	5	115	244	High-Low	17	11
218	5	135	245	High-Low	116	31
424	2	252	247	High-Low	48	11
903	8	137	252	High-Low	15	9
863	9	mastitis	270	High-Low	42	16
188	6	582	281	High-Low	21	39
341	4	311	294	High-Low	n/a	12
376	3	33	315	High-Low	31	10
303	5	49	329	High-Low	20	16
216	5	307	340	High-Low	14	22
934	7	305	404	High-Low	114	32
203	6	375	466	High-Low	48	16
845	9	284	546	High-Low	18	14
943	6	674	547	High-Low	41	12
331	5	160	mastitis	High-Low	21	21
401	2	-	585	High-Low	37	63
300	5	629	657	High-Low	14	62
992	6	84	692	High-Low	189	361
191	6	-	752	High-Low	22	25
309	5	443	818	High-Low	30	cull
373	3	54	829	High-Low	11	7
900	7	2131	1904	High-High	mastitis	15

Combined dry cow antibiotics	number of cows
Low-Low	9
Low-High	1
Dry period PROTECTION	90%
High-Low	26
High-High	1
Dry period CURE	96%

In low SCC cows at drying off (SCC<200), teat sealant alone was effective, (similar to combination of antibiotic and teat sealant) in protecting cows from infection across the dry period.

In cows deemed to be 'infected' at drying off, (SCC>200), antibiotic dry cow tubes combined with teat sealant was very effective in curing these infections, as evidenced by the low SCC's at first milk recording in the next lactation.

Dry cow antibiotic use in the Future Herd has been reduced by 70% as a result of implementing selective dry cow therapy.

Bulk tank SCC's have not increased as a result of implementing selective dry cow therapy.