

Use SCC Report

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your mastitis problems, look at the date of first infection column. Determine what months had the most numbers of new infections. During these times something caused a breakdown in your mastitis control program. Ask yourself several questions. Was there a new milker? Were some milking procedures changed? Was there a breakdown in the milking equipment? Was a newly purchased cow added to the herd that could have brought in contagious organisms? Or can it all be blamed on

the weather? Now that you have an idea where the breakdown occurred, make changes to correct or prevent them from happening again.

By looking at how many times a cow was severe during her lactation will help in deciding her disposition. She will be listed as severe each time her LS is 4 and above. Of course deciding to cull her or to dry her off early will depend upon several factors. Her age or numbers of lactations, and if she is confirmed pregnant are just a few considerations.

To be able to fight mastitis suc-

cessfully, knowing what bacteria is causing problems is helpful. Have your veterinarian or a trained person take aseptic milk samples from a representative group of cows with SCC scores 5 or higher. These cows should not have been treated for at least 5 days prior to sampling. Samples should be cultured to learn what organisms are causing the mastitis. They should also be checked for antibiotic resistance to determine the best drug therapy.

In summary, what you can learn from the individual Cow SCC can give you an idea on how to lower

your herd's Raw SCC and Mean LS. By finding chronically infected cows, management procedures can be practiced to help meet your goals.

1. Milk high SCC cows last.
2. Dry high scc cows off early.
3. Don't put milk from high SCC cows in the bulk tank, especially if close to losing premium.
4. Don't buy mastitis. Check SCC before purchasing. SCC should be less than 4.

CHECK LIST THAT HELPS TO LOWER SCC.

1. Have all milking equipment checked by a qualified service person twice a year.

2. Use good milking hygiene when prepping before milking. Use single service paper towels to wash teats.

3. Dip all teats after milking. 4. Dry treat all quarters when cows are dried off.

5. Keep udders clean between milkings.

6. Prevent injuries to udder and teats.

7. Cull chronic problem cows who don't respond to treatment.

8. Keep housing and loafing areas clean.

9. Identify predominant organisms causing mastitis in herd by culturing.

PENNSYLVANIA DHIA SCC MANAGEMENT REPORT

c/o



05/10/91

CURRENT DISTRIBUTION OF COWS BY SCC LINEAR SCORE																				
Date Tested	Mean LS	Raw SCC	9+		8		7		6		5		4		3		2		1 & 0	
			No.	Pct	No.	Pct	No.	Pct	No.	Pct	No.	Pct	No.	Pct	No.	Pct	No.	Pct	No.	Pct
5/07/91	4.0	210,000	0	0.0	0	0.0	1	2.3	2	4.7	6	14.2	8	19.0	10	23.8	10	23.8	5	11.9

SCC LEVELS FOR THE LAST 12 TESTS												
Date Tested	5/07/91	4/05/91	3/07/91	2/09/91	1/09/91	12/10/90	11/12/90	10/10/90	9/14/90	8/10/90	7/14/90	6/15/90
Mean Score	4.0	4.1	4.3	3.5	2.7	3.6	3.7	4.6	4.9	3.9	3.6	2.2
New Infections	3	1	9	2	1		2	7	6	6	5	1
Chronic Infections	6	6	4	4	5	5	6	4	2	1		2

Note Chronically-infected animals have scored 4.0 or higher at least twice during their current lactation (not necessarily on this test)

Note Newly-infected animals are those whose score is 4.0 or higher for the first time.

LOSSES DUE TO HIGH SCC LEVELS	
Milk	Money
2,345	\$336.03

Date Tested	MEAN LINEAR SCORE LAST 12 TESTS									
	0	1	2	3	4	5	6	7	8	9+
5/07/91										
4/05/91										
3/07/91										
2/09/91										
1/09/91										
12/10/90										
11/12/90										
10/10/90										
9/14/90										
8/10/90										
7/14/90										
6/15/90										

CURRENT INFECTION STATUS											
First Lactation						Second(+) Lactation					
Current		New		Chronic		Current		New		Chronic	
No.	Pct	No.	Pct	No.	Pct	No.	Pct	No.	Pct	No.	Pct
4	25.0	1	6.2	1	6.2	10	38.4	2	7.6	5	18.2

MEAN ROLLING SCC	
Raw	Linear
193,000	3.7

DAYS IN MILK	FIRST LACTATION			
	No. Cows	Testday Milk	Mean Linear SCC	New Infections
0 - 30	0	0	0	0
31 - 99	5	66	2.6	1
100 - 199	3	63	2.3	0
200 - 299	5	51	3.3	0
300 +	3	41	2.0	0
Average / Total	16	56	2.6	1

No. Cows	SECOND (+) LACTATION		
	Testday Milk	Mean Linear SCC	New Infections
1	72	1.7	0
4	80	3.1	1
11	73	2.3	0
6	50	3.3	1
4	45	3.3	0
26	66	2.8	2

COWS WITH HIGHEST LINEAR SCC THIS MONTH

HERD-ID:

DATE: 05/10/91

Barn Name	Vielbie Id	Index	SCC Linear Score		Milk Production		Days in Milk	Milk Loss	% Bulk Tank	Times Severe	Date First Infected	Age	Lact No.	Due Date	Pregnant ?
			Testday	Mean	Testday	305									
42	42	418	6.5	4.3	62	18,858	228	108	12.4	2	10/10/90	2-08	1	1/16/92	N
70	70	376	5.7	5.7	80	21,208	93	178	10.6	3	3/07/91	5-00	4		N
98	98	429	5.6	4.7	74	17,030	43	86	8.2	1	5/07/91*	1-11	1		N
86	86	400	5.4	4.2	73	23,764	190	163	7.2	3	2/09/91	3-02	2	12/21/91	Y
57	57	368	5.2	4.0	68	22,651	197	154	5.4	1	3/07/91	4-02	3	11/22/91	Y
68	68	267	4.8	5.1	57	19,756	234	138		3	10/10/90	8-04	8	10/24/91	Y
49	49	368	4.9	4.9	87	24,797	208	139		4	11/12/90	8-01	4	2/10/92	N
67	67	284	4.8	4.9	101	20,757	39	138			5/07/91*	9-00	8		N
80	80	423	4.8	4.6	74	19,088	108	67		1	3/07/91	2-01	1		N
75	75	388	4.4	2.7	100	25,528	141	118		1	3/07/91	4-05	3	1/28/92	N
64	64	380	4.4	2.6	77	21,707	162	115			3/07/91	3-11	3	11/12/91	Y
58	58	402	4.3	2.9	29	9,865	246	110		1	4/05/91	3-01	2	11/02/91	Y
71	71	420	4.2	3.3	52	14,789	221	53			3/07/91	1-08	1	12/15/91	N
51	51	398	4.1	2.4	20	16,083	286	101			5/07/91*	2-10	2	8/06/91	Y
30	30	419	3.9	3.0	32	13,233	222	45			3/07/91	2-01	1	11/16/91	Y
62	62	378	3.7	2.6	39	22,042	303	82				4-09	3	8/05/91	Y
36	36	240	3.5	5.0	34	15,844	330	72		6	7/14/90	10-07	9	8/08/91	Y
83	83	367	3.4	3.4	58	19,892	300	67		1	8/10/90	4-08	4		N
78	78	334	3.4	2.3	51	24,528	304	67		1	7/14/90	8-08	5	7/19/91	Y
61	61	407	3.4	1.4	38	16,622	532	33			3/07/91	1-10	1	1/05/91	N
41	41	399	3.3	3.3	33	14,011	279	82			10/10/90	3-01	2	8/16/91	Y
94	94	410	3.2	2.6	53	16,641	175	58				3-00	2	11/25/91	Y
73	73	417	3.0	2.7	52	16,100	233	24				2-03	1	9/19/91	Y
72	72	413	2.9	2.5	51	18,324	339	21				2-01	1	10/23/91	Y
23	23	356	2.8	1.8	82	22,590	61	43				6-09	5		N
69	69	418	2.8	2.7	66	18,022	68	18				2-00	1		N
91	91	412	2.7	2.1	35	15,671	389	17				1-11	1	9/19/91	Y
47	47	418	2.4	3.3	57	17,266	243	9		1	9/14/90	2-00	1	1/07/92	N
87	87	425	2.3	2.6	70	17,383	85	7				1-11	1		N
12	12	406	2.3	2.4	78	23,887	184	14				2-10	2	11/10/91	Y
89	89	427	2.3	1.7	53	12,985	69	7				2-01	1		N
38	38	422	2.3	1.6	38	9,617	118	7				2-04	1	1/11/92	N
56	56	312	2.3	1.5	75	25,152	212	14				7-08	6	12/31/91	N
85	85	411	2.2	1.7	75	19,224	139	10				2-10	2	12/06/91	Y
100	100	405	2.0	3.6	89	23,707	134	0		1	2/09/91	3-07	2	1/28/92	N
65	65	392	1.7	1.7	72	17,430	16	0				4-01	3		N
66	66	403	1.6	1.0	83	19,012	182	0				3-01	2	12/14/91	Y
90	90	387	1.3	.8	80	22,674	188	0				3-03	2	11/12/91	Y
84	84	424	.7	1.4	70	17,778	98	0				2-00	1	2/06/92	N
82	82	408	.8	.7	85	17,414	189	0				2-10	2	12/20/91	Y
96	96	404	.6	.3	77	15,784	87	0				3-04	2		N
92	92	421	.1	.7	78	19,370	114	0				2-05	1	2/05/92	N