

The AgSource Cooperative Services

Udder Health Management (UHM) Cow Report

The Udder Health Management Summary performs analyses of the SCC data and summarizes it in a number of different ways to identify herd level trends. However, once these trends have been identified, the user will want to examine the individual cow data in order to make management decisions.

The UHM Cow Report not only lists individual cow test information, but groups the information into the 'risk groups' defined in the UHM Summary.

The Cow Report divides the cows into seven separate cow lists in order to assist management decisions.

These are;

- A. Chronic Cow List
- B. Dry Period Failure to Cure List
- C. Dry Cow List
- D. Fresh Cow Infection List - Cows 5 to 40 DIM
- E. Lactating Cow New Infection List - Cows >40 DIM
- F. Response to New Infection List
- G. CAR (condition affecting record) Code List

Within each cow list, the default system is to order the lists by Barn name or Visible ID, so the producer can easily locate a cow in the list. It is possible for a cow to be on more than one list. For example, a cow may be on both the "Chronic Cow List" and "Response to New Infection List" - if she failed to resolve an infection from the previous test. The general order of the lists is arranged in order from the most chronically infected cows through the new infected cows.

For the majority of the cow lists, the "Barn Name", "Visible ID", "Lactation Number", "DIM", "Daily Milk" (from the current test), "305ME Ranking", and "Lactation Avg Linear Score" are provided to assist in management decisions. However, other information on each list is customized specifically for cows in that list.



Udder Health Management Cow Report

Name : PRINTER ACRES Herd Code : 35991623 Test Date : 8/9/2007

Note: Multiply all references to SCC by 1000.

CONVERSION		RELATIONSHIP OF LINEAR SCORE AND ESTIMATED 305 DAY MILK LOSS			COMMENTS
LINEAR SCORE	SCC RANGE MIDPOINT IN 1000's	LINEAR SCORE	1st LACT MILK LOSS	2nd + LACT MILK LOSS	
1	25				New Udder Health Management Report! Have you signed up yet?
2	50				
3	100	0-2	0	0	
4	200	3	275	585	
5	400	4	550	1170	
6	800	5	825	1755	
7	1600	6	1100	2340	
8	3200	7	1375	2925	
9	6400	8	1650	3510	
		9	1925	4095	

A Chronic Cow List - Last 2 Tests ≥ 200,000														
Barn Name	Visible ID	Lact Num	DIM	Daily Milk	305 ME Ranking (Milk)	Due Date	Curr Lact Avg LS	305 Day Est Loss Lbs	6/14 SCC	7/12 SCC	8/9 SCC	Curr Lact Tests ≥ 200	Prev Lact Tests ≥ 200	Predicted % SCC Contribution to Bulk
346	367	7	226	63	1595	3/4/2008	6.8	2808	1800	1417	1319	8	15	6
374	394	6	386	29	829	3/10/2008	3.6	936	249	388	539	4	8	1
405	422	5	361	25	1385	10/4/2007	4.8	1638	725	1135	1034	8	3	2
411	427	5	303	55	872	4/18/2008	5.5	2048	804	846	2257	9	4	9
429	440	4	279	51	1664	5/8/2008	5.6	2106	450	686	524	10	11	2
432	443	4	356	22	305	2/14/2008	6.5	2633	382	1961	1701	12	10	3
445	457	3	270	49	2741	11/3/2007	6.4	2574	5736	1451	1516	9	6	5
451	463	3	169	31	-2599	4/27/2008	4.7	1580	185	904	212	5	8	0
460	472	2	358	51	4841	4/12/2008	4.2	1287	155	860	744	5	1	3
471	484	1	468	18	-2362	11/22/2007	2.9	248	79	332	306	3		0
486	486	2	53	39	-5035		5.6	2106		426	853	2	14	2
659	659	7	146	74	-3775		5.4	1989	759	1066	2057	4	6	11
674	674	5	288	70	2900	1/1/2008	3.9	1112	304	207	643	6	6	3
730	730	4	230	57	3350	3/18/2008	2.6	351	205	534	448	3	1	2
742	742	3	264	45	1674	7/1/2007	2.7	410	243	363	395	3	2	1
743	743	2	59	98	-1518	4/16/2006	5.3	1931		252	926	2	7	6
754	754	2	64	80	-8778		6.7	2750	303	7616	832	3	6	5
772	772	1	356	57	5991	4/15/2008	4.0	550	151	293	286	5		1
776	776	2	37	70	-8406		5.8	2223		399	1329	2		7
779	779	1	188	86	4007	9/16/2007	3.2	330	33	2397	1048	2		6
788	788	1	258	61	1025	11/13/2007	4.4	680	1216	1642	210	6		1
795	795	1	188	82	2552	5/6/2008	3.6	440	180	456	383	2		2
450	462	2	89	50	-4636		4.7	1580	298	253	483	3	3	2

B Dry Period Failure to Cure List												
Barn Name	Visible ID	Lact Num	DIM	Daily Milk	305 ME Ranking (Milk)	Curr Lact Avg LS	305 Day Est Loss Lbs	Prev Lact Last SCC	Curr SCC	Prev Lact Tests ≥ 200	Predicted % SCC Contribution to Bulk	Notes
775	775	2	28	82	-6777	4.5	1463	449	286	1	2	

C Dry Cow List											
Barn Name	Visible ID	Lact Num	DIM	Last Daily Milk	305 ME Ranking (Milk)	Due Date	Last Lact Avg LS	305 Day Est Loss Lbs	Last SCC	Last Lact Tests \geq 200	Notes
485	485	1	470	28	119	8/16/2007	2.0	0	31	2	
487	487	1	291	40	-5317	8/17/2007	3.3	358	197	1	
707	707	3	374	46	213	9/4/2007	2.8	468	115	1	
714	715	4	303	53	-287	1/15/2008	3.3	761	67	1	
717	717	4	309	39	2257	9/18/2007	1.8	0	309	1	
729	729	2	526	76	4906	9/11/2007	3.0	585	227	7	
756	756	2	390	14	4414	9/18/2007	3.3	761	579	6	
760	760	2	316	54	-440	9/4/2007	1.4	0	196		
764	764	1	700	50	7565	5/13/2007	2.8	220	283	3	
765	765	2	282	32	-1062	11/13/2007	4.2	1287	322	7	
782	782	1	346	57	7417	9/4/2007	1.0	0	32		

D Fresh Cow Infection List - 5 to 40 DIM, First Test \geq 200,000														
Barn Name	Visible ID	Lact Num	DIM	Daily Milk	305 ME Ranking (Milk)	Due Date	Curr Lact Avg LS	305 Day Est Loss Lbs	6/14 SCC	7/12 SCC	8/9 SCC	Curr Lact Tests \geq 200	Prev Lact Tests \geq 200	First Infection or Repeat
799	799	1	6	53	-7493		7.5	1513			2201	1		FIRST

E Lactating Cow New Infection List - Cows >40 DIM														
Barn Name	Visible ID	Lact Num	DIM	Daily Milk	305 ME Ranking (Milk)	Due Date	Curr Lact Avg LS	305 Day Est Loss Lbs	6/14 SCC	7/12 SCC	8/9 SCC	Curr Lact Tests \geq 200	Prev Lact Tests \geq 200	First Infection or Repeat
452	464	2	341	39	2261	4/23/2008	1.4		42	57	212	1		FIRST
490		1	201	51	616	3/7/2008	3.7	468	94	107	362	3		REPEAT
605	605	7	333	66	11703	2/5/2008	2.6	351	105	121	595	1	3	FIRST
725	725	3	288	42	-201	OPEN	1.3		44	67	251	1		FIRST
763	763	2	391	29	225	12/11/2007	2.3	176	70	183	229	1	1	FIRST

F Response to New Infection List														
Barn Name	Visible ID	Lact Num	DIM	Daily Milk	305 ME Ranking (Milk)	Due Date	Curr Lact Avg LS	305 Day Est Loss Lbs	6/14 SCC	7/12 SCC	8/9 SCC	Curr Lact Tests \geq 200	Prev Lact Tests \geq 200	Infection Response
486	486	2	53	39	-5035		5.6	2106		426	853	2	14	DETERIORATED
497	497	1	41	55	-442		3.5	413		571	33	1		<200,000 SCC
743	743	2	59	98	-1518	4/16/2006	5.3	1931		252	926	2	7	DETERIORATED
776	776	2	37	70	-8406		5.8	2223		399	1329	2		DETERIORATED
779	779	1	188	66	4007	9/16/2007	3.2	330	33	2397	1048	2		IMPROVED
786	786	1	271	90	11129	10/30/2007	3.0	275	105	296	157	1		<200,000 SCC
795	795	1	188	82	2552	5/6/2008	3.6	440	180	456	383	2		IMPROVED

CAR Codes: C = Cow calved within 5 days of test date S = Sickness
M = Mastitis T = lab tech or equipment problem
Q = Unusable sample Z = No weight or sample

G CAR Code List & Milk Withheld Indicator															
Barn Name	Visible ID	Lact Num	DIM	Daily Milk	305 ME Ranking (Milk)	Due Date	Curr Lact Avg LS	305 Day Est Loss Lbs	6/14 SCC	7/12 SCC	8/9 SCC	C A R	Curr Lact Tests \geq 200	Prev Lact Tests \geq 200	Milk W/Witheld
808	808	1	2									C			No

Block A - Chronic Cow List

The Chronic Cow List identifies cows contributing to the red area in Block B and the "Chronic $2x \geq 200$ " column in Block C of the UHM Summary. SCC test results from the last three test days are provided, with the last 2 color coded in burgandy to be consistent with the UHM Summary. The last 2 tests will be $\geq 200,000$ on this list.

Because this list is primarily used to make culling decisions, "Lact Num", "DIM", "Daily Milk", "305ME Ranking", and "Due Date" (green if confirmed) are provided. In addition, the number of tests $\geq 200,000$ in both the current ("Curr Lact Tests ≥ 200 ") and previous ("Prev Lact Tests ≥ 200 ") lactations are listed to provide evidence of the duration of the infection. Lastly, the "Predicted % SCC Contribution to Bulk" is given to provide a rough estimate of the impact of the cow on the herd bulk tank SCC value.

Block B - Dry Period Failure to Cure List

In many dairy record systems, a cow's prior lactation performance is forgotten about when she starts a new lactation. This list highlights the cows that were dried off with the last test of the prior lactation $\geq 200,000$, that have a 1st test $\geq 200,000$ in the current lactation. These cows are a subset of the chronic cows in the herd and should be high on the list for future culling. While these cows contribute to the burgundy area in Block B and the "Chronic $2x \geq 200$ " column in Block C of the UHM Summary, they are not included in List A. "Chronic Cow List", but presented on their own in this list.

For this list, the "Curr SCC" is color coded burgundy and presented alongside the "Prev Lact Last SCC" - both counts will be $\geq 200,000$ in this list. The "Prev Lact Tests ≥ 200 " are given along with the "Predicted % SCC Contribution to Bulk" tank.

Block C - Dry Cow List

The cows on this list do not have a current SCC value. "Last Daily Milk", "Due Date" and the "Last Lact Avg LS" are presented along with "Last Lact Tests ≥ 200 ", so the producer can keep track of problem cows not currently lactating. This list is useful for identifying chronically infected cows that should not have their colostrum fed to their soon to be born calves. Use the Dry Cow List to plan and have frozen colostrum from healthy cows available when these calves are born.

Block D - Fresh Cow Infection List - Cows 5 to 40 DIM

List D corresponds to the dark blue areas of Blocks B and C in the UHM Summary. The last three SCC tests are provided, with the most recent color coded in dark blue, along with the DIM of each cow. "Prev Lact Tests ≥ 200 " are given to provide prior history for the cow and the "First Infection or Repeat" column indicates whether this is the first new infection occurring in the current lactation or a repeat (second, third, fourth etc.) new infection. All of the cows in List D will be labeled FIRST even if the cow was tested twice in her first 40 DIM. If the first test was ≥ 200 she would be a first, if the second was ≥ 200 she would move into the chronic category. If the second test is ≥ 200 and first < 200 ...it would still be FIRST.

Cows in this block are excellent candidates for culturing. Using cows with new infections as culture candidates provides an up to date profile of pathogens infecting the herd now. Culturing chronically infected cows that were first infected months ago provides historical information that has little relevance today.

Block E - Lactating Cow New Infection List - Cows >40 DIM

List E identifies the cows with new infections that are beyond 40 DIM - corresponding with the light blue areas in Blocks B and C on the UHM Summary. The last three SCC tests are given, with the most recent color coded in light blue, along with the DIM of each cow. Information similar to that provided in List D is presented, but now the "First Infection or Repeat" column will indicate FIRST or REPEAT depending on whether the current test is the first time tested $\geq 200,000$ or the second, third or multiple time $\geq 200,000$, with tests $<200,000$ in between.

Cows in this block are also excellent candidates for culturing. Using cows with new infections as culture candidates provides an up to date profile of pathogens infecting the herd now.

Block F - Response to New Infection List

All of the cows on this list were new infections at the previous SCC test. They appeared in List D or E on the previous month's UHM Cow Report. The objective of this list is to determine what happened to these infections on the current test day.

In addition to the usual information provided for each cow, the "Infection Response" column determines if the cow is $<200,000$ (current SCC is $<200,000$), DETERIORATED (current SCC is $>$ previous SCC) or IMPROVED (current SCC is less than the previous test day's SCC, but not $<200,000$).

Block G - CAR Code List

This list identifies cows tested, but with no sample for somatic cell and a CAR code of T, Q, M, S, or Z which was reported or assigned. Cows that freshened within 5 days of the test date will have a CAR code of C, but may have a somatic cell count. The CAR code does not affect if the cow's milk is withheld in the UHM Summary Block C "Bulk Tank SCC" calculation. The withheld indicator (W) specifies if the cow's milk was withheld from the bulk tank.

CAR Code	Meaning	CAR Code	Meaning
C	Cow calved within 5 days of test date	Q	Unusable sample
M	Mastitis	T	Lab tech or equipment problem
S	Sickness	Z	No weight or sample