

1998 Iowa FFA Dairy Cattle Production and Management Test  
September 19, 1998  
West Union, Iowa

Mark the correct answer in the proper blank on the answer sheer.

**Objective questions - 2 points each:**

1. At what age do dairy cattle develop upper incisors?  
a) birth      b) 3 days      c) 3 months      d) never
2. Which part of the milking machine cycle both massages and milks the teat?  
a) vacuum pump      b) pulsation      c) inflation      d) bulk tank
3. Supplementing selenium and Vitamin E has helped prevent what dairy cattle problem?  
a) ketosis      b) hardware      c) milk fever      d) retained placenta
4. What is the time period that a cow carries a calf called?  
a) gestation      b) lactation      c) parturition      d) rumination
5. Which mineral is required in the highest amount in diets fed to lactating dairy cows?  
a) calcium      b) phosphorus      c) potassium      d) sodium
6. The only part of a milking machine that touches the cow is the:  
a) pulsator      b) vacuum pump      c) inflation      d) milk line
7. The primary criteria for deciding when a heifer should be bred is:  
a) age      b) body weight      c) breed      d) service sire to be used
8. The optimum site for semen deposition when breeding AI is in the:  
a) vagina      b) uterine body      c) ovary      d) placenta
9. What is the optimum length of a cow's dry period?  
a) 21 days      b) 30 days      c) 60 days      d) 9 months
10. Which of the following represents the largest single cost associated with producing milk?  
a) facilities      b) feed      c) labor      d) veterinarians & drugs
11. Cows can become infected with mastitis causing organisms that are on:  
a) milking equipment    b) bedding in stalls    c) hands of people    d) all of these
12. Which of the following feeds usually contain the most protein?  
a) alfalfa hay      b) corn silage      c) corn grain      d) soybean oil meal

13. Which of the following feeds usually contain the most energy?  
a) alfalfa hay      b) corn silage      c) corn grain      d) soybean oil meal
14. Good milking hygiene involves:  
a) dipping teats before milking.  
b) dipping teats after milking.  
c) milking udders that are clean and dry.  
d) all of the above.  
e) only b) and c) above
15. What is the first milk secreted after calving called?  
a) colostrum      b) antibodies      c) casein      d) antibiotics
16. What term describes the removal of an animal from the herd?  
a) colostrum      b) culling      c) conception      d) calving
17. The two nutrients of most concern regarding manure application to land are:  
a) Ca and P      b) N and P      c) Se and Vitamin E      d) K and Mg
18. What is the optimum age at first calving?  
a) 21 days      b) 12-15 mos.      c) 22-24 mos.      d) 30 months
19. What is the name of the process where warm milk is forced through tiny holes in order to break the fat particles into tiny pieces?  
a) homogenization      b) pasteurization      c) fertilization      d) conception
20. Body condition of dairy cattle is often done to:  
a) decide which animals to cull  
b) decide when to dry a cow off  
c) decide which cows to breed  
d) evaluate the overall nutrition and feeding program  
e) all of the above
21. Relative Feed Value (RFV) is an index of forage quality that is based on which of the following nutrient components?  
a) ADF & CP      b) CP & NDF      c) ADF & NDF      d) ADF, NDF, & CP
22. The number one reason or cause of poor reproductive performance is poor:  
a) semen quality      b) heat detection      c) records      d) inseminators
23. The best percentile ranking that a sire can attain is:  
a) 50      b) 55      c) 99      d) 100
24. Bovine somatotropin (BST) is also known as:  
a) somatic cells      b) oxytocin      c) growth hormone      d) steroid hormone
25. The state with the highest average milk production per cow (20,976 lb.) in 1997 was:  
a) Arizona      b) Iowa      c) Wisconsin      d) Louisiana

**DHIA Questions - 5 points each**

Use the attached DHIA forms (202, 220, and 520) to answer the following five questions (26-30).

26. What is the current rolling herd average milk production for this herd?  
a) 26,402      b) 26,991      c) 27,556      d) 27,905
27. Which cow contributed the most somatic cells to the bulk tank (on the current test day)?  
a) Cherish      b) Amber      c) Celeste      d) Clara
28. What was the average milk production of the milking cows on the last test day?  
a) 67.3 lb.      b) 69.8 lb.      c) 72.9 lb.      d) 76.2 lb.
29. Which group of animals have the most genetic merit on average?  
a) 0-12 mos.      b) 13+ mos.      c) 1<sup>st</sup> lactation      d) 2<sup>nd</sup> lactation
30. Which cow gave the most milk on the most recent test day?  
a) Maui      b) Krystal      c) Melinda      d) Carly

**Dairy Management Problems - 5 points each**

31. A lot of hay consisting of small square bales averaging 50 lb/bale costs \$120.00 per ton. What is the cost of one bale?  
a) \$0.60      b) \$2.40      c) \$3.00      d) \$6.00
32. A cow eats 40 lb. of corn silage that contains 65% moisture. How many pounds of dry matter does she consume?  
a) 26      b) 14      c) 16.25      d) 7
33. A concentrate mix consists of 1500 lb of dry shelled corn and 500 lb of 44% soybean oil meal. If corn costs \$2.24/bu and soybean meal costs \$150.00/ton, what is the total cost of this mix?  
a) \$97.50      b) \$70.10      c) \$142.50      d) \$160.00

# HERD SUMMARY DHI-202

HERD CODE AND TYPE OF RECORD		DATE TESTED			DEMO HERD	
ST.	CO.	HERD NO.	MO.	DAY	YEAR	P
42	99	99991	8	14	98	E
DHIR						9999 AVENUE SOME WHERE

## PRODUCTION, INCOME, & FEED COST SUMMARY

DESCRIPTION	DAILY AVERAGE PER COW ON TEST DAY	ROLLING TEAR OFF HERD AVERAGES
TOTAL COWS	77	76.7

## REPRODUCTIVE SUMMARY OF TOTAL HERD

COWS IN MILK	NUMBER	%	NUMBER	%	DAYS OPEN AT 1ST SERVICE		SERVICES PER PREGNANCY		PROJECTED	
					NUMBER FROM WHP TO 100 DAYS	NUMBER OVER 100 DAYS	PREG. COWS	ALL COWS	DAYS OPEN	MINIMUM CALVING INTERVAL
MILK LBS. (ALL COWS)	68	88	69.0	90						
FAT LBS. (ALL COWS)	67.3	26.991	26.991	99						
FAT PERCENT	2.40	1.005	1.005	100						
FAT PERCENT (PROTEIN LBS. (ALL COWS))	3.6	3.7	3.7	100						
PROTEIN LBS. (ALL COWS)	2.13	880	880	100						
PROTEIN PERCENT	3.2	3	3	100						
MILK LBS. (MILKING COWS)	76.2	3+ LACTS	1	12	1.39	2.2	2.3	16.3	215	18-24
MILKING COWS		ALL LACTS	14	37	20	1.6	2.0	14.9	173	36-48
SILAGE	50	46	15.219							
LBS. CONSUMED		LBS. CONSUMED	%ENE							
OTHER SUCCULENTS OR BLENDED RATIONS		LBS. CONSUMED	%ENE							
DRY FORAGE	15	14	5,654							
OTHER FEEDS		LBS. CONSUMED	%ENE							
PASTURE		PASTURE (YES OR NO)	DAYS	%ENE						
CONCENTRATES	30	27	9,566							
VALUE OF PRODUCT \$	10.84	9.57	3.807							
CONCENTRATES \$	1.78	1.69	669							
TOTAL FEED COST \$	3.26	3.11	1,213							
INCOME OVER FEED COST \$	7.58	6.46	2,594							
FEED COST PER CWT MILK \$	4.28	4.62	4.50							
MILK BLEND PRICE	14.53	3.7	3.2 14.18	3.7	3.3					

## REPRODUCTIVE SUMMARY OF CURRENT BREEDING HERD

VOLUNTARY WAITING PERIOD (NWP)	NUMBER COWS	% OF BREEDING HERD	COWS BRED SINCE 6-10		
			OPEN	OVER 100 DAYS	OPEN
45	36				

## REPRODUCTIVE SUMMARY OF TOTAL HERD

### SERVICES FOR PAST 12 MONTHS

SERVICE NUMBER	NUMBER SERVICE	% SUCC- CESSFUL	SERVICE PAST \$
1ST	62	55	+193
2ND	21	67	+206
3RD+	17	41	+180
TOTAL	101	54	+194

## YEARLY REPRODUCTIVE SUMMARY

DATE OF TEST	% HEATS OBS.	NUMBER SERVICES	% SUCC-ESS-FUL	NUMBER CONFIRM PREG.	NUMBER CALVING	TOTAL PREGNANT COWS
MONTH DROPPED	19	10	40	6	6	32
9-18-97	19	8	50	7	7	34
10-17-97	32	14	50	8	8	33
11-14-97	6	3	33	4	4	34
12-13-97	22	8	75	1	1	35
1-16-98	35	13	77	9	9	36
2-14-98	13	3	33	14	14	32
3-13-98	17	4	100	5	5	35
4-14-98	20	8	25	12	12	30
5-15-98	20	10	70	8	8	29
6-16-98	27	12	50	3	3	29
7-15-98	17	7	6	6	6	28
8-14-98	47	17	7	7	7	31
AVERAGES	23	9	54	7	7	33
TOTALS	107			88		

## REMARKS:

## BIRTH SUMMARY

DAIRY'S LACT.	OFFSPRING BORN			CALVING DIFFICULTY SCORE
	MALES	FEMALES	DEAD	
1	38	3	1	
2+	25	1	19	1
3+	63	22	2	4+5

## COWS TO BE MILKING, DRY, CALVING, BY MONTH

MONTH	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
* MILKING	64	65	61	56	48	47	41	36
DRY	10	5	6	7	13	10	14	18
COWS TO CALVE	7	4	4	4	3	5	6	7
HEIFERS TO CALVE								

\* ASSUMES 4.9% PER MONTH CULLING RATE.

## MISCELLANEOUS HERD INFORMATION

ASSOC.	SAMPLES	DRPC	YEARLY AVERAGE
431	NEW AT LAB	W/M SPL	
	80	14	8 17
SHIPPED-TEST DAY COMPARISON			
SUM OF TEST DAY WTS (LBS)	5183	5518	
REPORTED AVERAGE DAILY BULK TANK WTS (LBS)	4945	5252	
% DEVIATION	+4.8	+5.1	
1ST QTR	5:55 PM	Y Y	
2ND QTR	6:20 AM	Y Y	
3RD QTR			

# IDENTIFICATION AND GENETIC SUMMARY

GENETIC PROFILE OF SERVICE Sires			
HERD PTA \$ OPTION		PROVEN A.I. Sires	
MFP % OF HERD BRED TO		NUMBER OF BULLS USED	
+194 +143		18	
AVG. PTA'S OR PAs		54	
AV. PERCENT MERIT		54	

## CURRENT SOMATIC CELL COUNT SUMMARY

AGE GROUP	NUMBER ANIMALS	Avg. AGE yr - mo	NUM. IDENTIFIED BY SIRE
0 - 12	23	0 - 05	21
13+	49	2 - 01	39
REPLACEMENTS	72	1 - 03	60
TOTAL OR AVERAGE	200	206 + 205	72

## PRODUCTION BY LACTATION SUMMARY

STAGE OF LACTATION (DAIS)		NUMBER IDENTIFIED PRODUCING FEMALES	95	96	NUMBER HEIFERS IN 13+ AGE GROUP OVER 30 MONTHS OF AGE		14				
1 THRU 40					306 +						
1ST LACT	2ND LACT				101 THRU 198	306 +					
3	2	10	6	2	23	23					
NUMBER	2	4	5	3	20	20					
MILKING	3	3	4	8	24	24					
ALL LACTS	8	9	19	20	111	67					
AVERAGE DAILY MILK PRODUCTION	65	77	67	62	57	65					
DAILY MILK PRODT.	85	91	75	71	58	75					
% MILK PRODT.	99	107	104	86	65	88					
1ST LACT %	3.6	3.2	3.7	3.6	3.6	3.6					
2ND LACT %	2.7	2.9	3.2	3.4	3.5	3.2					
3+ LACTS %	83	93	77	74	62	77					
FAT %	3.6	3.2	3.7	3.6	3.6	3.6					
PROT %	3.9	3.3	3.5	4.1	4.4	3.8					
8% PROT %	3.5	2.9	3.2	3.6	3.7	3.4					
3* PROT %	3.6	2.9	3.7	3.5	3.7	3.5					
PROT. LACTS %	3.3	2.7	2.9	3.2	3.5	3.2					
ALL PROT %	3.7	3.2	3.7	3.6	3.6	3.7					
FAT PROT %	3.1	2.3	3.2	3.4	3.5	3.2					
FAT PROT. LACTS %	2.9	2.3	3.2	3.4	3.5	3.2					
FAT PROT. LACTS % > 3.9	63	44	37	55	56	49					

## YEARLY SUMMARY OF COWS ENTERED AND LEFT THE HERD

COWS ENTERED HERD			COWS LEFT HERD			NUMBER OF COWS LEFT THE HERD		
NUMBER	PERCENT	AVG.	NUMBER	PERCENT	AVG.	NUMBER	PERCENT	AVG.
1ST LACT	195	80	159	154	285	164	164	78.9
2ND LACT	974	622	188	756	1313	671	671	56.0000
3+ LACTS	1580	164	218	542	1230	694	694	41.5000
ALL LACTS	1015	347	183	503	1091	531	531	31.5000
SCC NUMBER	5	4	7	11	6	33	33	21.0000
SCC PERCENT	63	44	37	55	56	49	49	21.0000

## DRY COW PROFILE

NUMBER DRY PERIODS	NUMBER DRY DAYS LESS THAN 40 DAYS	NUMBER DRY DAYS 40-70 DAYS	NUMBER DRY OVER 70 DAYS	NUMBER OF COWS LEFT THE HERD		
				MILK	FAT	PROTEIN
1ST LACT	30	26	82	26151	963	838
2ND LACT	22	42	108	27266	1017	868
3+ LACTS	25	67	126	30558	1120	935
ALL LACTS	77	45	104	27905	1030	878

## YEARLY PRODUCTION AND MASTITIS SUMMARY

TEST PERIOD	TEST DAY AVERAGES MILKING COWS	TEST DAY AVERAGES 150 DAY MILK			ROLLING YEARLY HERD AVERAGE			SOMATIC CELL COUNT SUMMARY			NUMBER COWS LEFT HEAD DIED / SOLD	
		TEST PERIOD	TEST DAY AVERAGES 150 DAY MILK			MILK	FAT	PROTEIN	41.5 M	1.3 M	149.000 / 283.000 / 566.000	
			PERSIST. INDEX	% MILK	% FAT							
1	1 - 8 - 97	30	75	216	75.8	84.2	95	87.1	3.1	26402	1007	870
2	10 - 17 - 97	29	76	214	79.7	87.7	110	91	3.1	26483	1011	871
3	11 - 14 - 97	28	76	227	83.6	92.3	104	88	3.2	26442	1009	867
4	12 - 13 - 97	29	79	232	81.8	92.9	100	84	3.2	26428	1007	864
5	1 - 6 - 98	34	80	227	83.0	93.3	98	84	3.2	26324	1000	860
6	2 - 4 - 98	77	77	193	91.2	99.1	102	86	3.2	26292	993	859
7	3 - 3 - 98	27	72	197	89.4	96.4	94	89	3.2	26492	993	866
8	4 - 4 - 98	32	74	178	89.2	94.5	99	91	3.2	26720	997	873
9	5 - 5 - 98	31	78	172	86.1	86.9	97	88	3.1	27003	1007	880
10	6 - 6 - 98	32	74	203	82.3	88.4	105	89	3.2	27202	1012	884
11	7 - 5 - 98	29	76	195	85.2	97	89	91	3.2	27117	1007	879
12	8 - 4 - 98	30	77	192	81.7	99	88	88	3.2	27033	1006	879
AVERAGES	30	76	204	83.2	90.2	100	90	72.9	3.2	26991	1005	880
												58
												17
												9
												6
												10
												3.4
												43

TEST PERIOD AVERAGE  
MILK LBS. ADDED 70.1

TEST PERIOD AVERAGE  
MILK LBS. DROPPED 71.0

## MONTHLY

## REPORT DHI-220

## EMO HERD

PAGE 1

EMO HERD						Condition Affecting Record								Test Interval				Received at Lab		Test Interval				A - Abnormal			
Herdcode	Breed	Assn.	Supervisor	Record Plan		Test Interval				C	Milk	Pounds	Days In Milk	MIK	Days Fresh	Lbs. R	Prot %	C Income/Loss	Feed Cost	Date Bred	Date Bleed	Date Died	Cont. Prog.	Not Cont. Prog.			
I-299-9999	H	431	80	20	DHIR	8-14-98	77.0	30	7-16	8-14	77.0	93	82.5	40	78	74	6-02	+323	4.9	4.6	29	BWT:	1600	B	9/09		
H 15603725	79	61	DRY	DRY	DRY	58	91.0	29	7.76	ALICE	2	6-18	58	3670	164	124	256	21837	832	661							
H 7H3679	1131	985				919	325	29	74	986	69	3-07	216	4.5	3.4	E	-1864	64	70								
H 14458034	124	115	91	102	89	77	71.0	37	6.80	AMBER	4	6-22	419	468361	6921	1435	4519	376381	13541	121							
H 7H2236	24	460	650	573	174	5972	1838	35	131	4	6-00	+644	3.6	3.1	A	100	10134+363+230										
H 45787495	115	114	102	90	78	69	55.5	29	3.11	ANDREA	4	12-02	256	24537	910	719	2173	26531	953	789	2	5-24					
H 7H3132	29	187	696	746	606	985	1393	31	116	31	77	5-01	-532	3.7	2.9	C	99	-1003	29	97	9H1333						
H 42WJA9103				54	70	68	61.5	35	5.65	ASTER	1	5-01	106	6612	245	202	585	20790	809	653	1	8-05	5-12				
H 15051669	91	58	DRY	DRY	DRY	73	103	070	29	9.10	BETH	4	6-08	68	6310	235	185	484	24438	867	704						
H 29WH5824	35	44				1056	200	44	105	108	56	5-03	+148	3.7	2.9	D	-449	-45	-47								
H 15440087	96	73	68	66	61	DRY	DRY	-0.80	BINGO	2	8-20						-27	309081097	998	1	12-20	9-26					
H 28H205	800	460	566	429	429					846	34	3-03	+79				B	+3162	+954102	1113562	F	9/2					
H 15937985	76	69	65	64	58	54.0	41	5.69	CAMEO	1	11-20	268	17747	741	607	1889	23982	583	804	1	3-10	1-2-15					
H 7H3994	47	115	107	107	141	132	162	35	76	7985	2-00	-91	4.2	3.4	D	101	-3604	-82	39H453	D 10	6						
H 15164602	174	170	158	138	125	123	112.0	33	11.64	CARLY	3	12-21	237	334791	2651061	3791	403661	4761309									
H 14H1066	13	38	17	19	57	47	81	32	171	5	41	4-05	+1041	3.8	3.2	A	102	12298	-391430								
H 15603730	61	44	40	DRY	DRY	87	59.0	38	4.90	CARMEN	2	7-01	45	3300	138	100	267	19782	834	560							
H 7H3038	1970	10556	1838			1600	28	73	73	3730	57	3-07	+1114.2	3.0	E		-2250	-48	-94								
H 15805187	88	87	84	86	80	71	61.0	34	5.55	CARRIE2	1	11-04	284	23006	842	737	2418	287931022	908	1	2-28	12-05					
H 7H4034	35	57	107	141	100	152	230	32	90	5187	2-04	-20	3.7	3.2	C	100	+5	10	6	7H42388	D 10	6					
H 12459109	90	68	68	74	62	65	62.0	35	4.73	CELESTE	5	3-06	892	93564	36212849	9074	42590	17271	230								
H 7H980	187	3200	5199	2425	2463	1300	5199	32	143	50	49	10-03	+13583.9	3.0	A	100	-7261+748+398										
H 17025701										61.0	41	5.97	CHANCEL	1	7-22	24	1201	55	36	105	BWT:	1200					
H 29H6658										38	27	701			2-04		4.6	3.0									
H 14778041	80	64	DRY	DRY	DRY	60.0	45	6.71	CHERISH	4	7-26	20	996	49	46	29	BWT:	1600									
H 39H246	1056	230	200							78	74	-6-02															
H 15826621	79	66	54	53	42	DRY	-0.69	CHOI E	1	9-10	6621	3	2-01	+43		C	-2659+100	64	29H7673	F	9/08						
H 42WHU0773	DRY	104	101	80	72	75	63.0	34	4.75	CHRIS	2	2-28	168	13969	476	412	1131	20925	720	631	3	8-03	5-10				
H 29H6658	264	152	123	174	107	66				865	53	3-06	-508	3.4	2.9	E	95	6234226	211	71H208	P	9/03					
H 15603737	112	121	118	103	89	69	64.3	33	5.84	CLARA	2	1-02	225	22012	792	711	2339	286281017	924	1	4-25	1-30					
H 7H3038	1300	492	606	1213	1493	5199	1970	34	116	985	24	3-01	-40	3.6	3.2	C	102	+549	20+42	7H4213							
H 17025703	71	83	90	93	82.5	35	8.29	CLARISA	1	4-05	132	11086	452	351	1221	274761078	844	1	7-20	4-26							
H 29H6658	7	35	132	141	29	86	703	2-00		41	3.2	C	99	+675	161	144224	P	9/03									
H 14689730	144	150	127	111	103	95	106.5	31	10.49	CLASSY	4	1-19	208	24792	856	743	2399	314991070	982	2	7-12	4-18					
H 8H2024	19	41	325	54	47	50	44.31	147	59	127	6-00	-169	3.5	3.0	B	108	+3278	+33	97	7H4152	P	8/26					

Local Fees 23 80 Total Amount 10.01 Total Fees 10.01

68.76

# MONTHLY REPORT DHI-220

EMO HERD		PAGE 2		Condition Affecting Record										7 - Solid Feet and Legs		A - Abnormal			
Herdcode	Breed	Ascor	Supervisor	Record Plan				Sample Date				Received at Lab		Test Interval		Test Interval		Condition Codes	
				8-14	8-16	80	20 DHIR	77.0	79.0	7-16	8-14	From:	To:	7-16	8-14	*	Conf. Prog.		
2-99-9999	H	431															- Conf. Prog.	- Not Conf.	
H 17072171				Test Date	Test Date	Test Date	Test Date	Milk Pounds	Fat %	Days in Milk	Days in Milk	Lat. No.	Fresh Date	Milk Pounds	Fat %	Pilot Lbs.	Pilot C. Feed Cost		
Sire Identification	2-14-3-13	2-14	5-15	6-16	7-15	6-16	5-15	Milk SCCA	Milk SCCA	81	72	75.0	3B	8.03	COLLEEN	1	5-01	106	
Milk SCCA	29H6658			200	373	283	174	76	76	940	940	2-00		7385	297	220	713		
H 15265979	118	130	122	108	100	95	87.0	4.4	10.18	CORA	3	1-19	208	22605	829	682	2331	293491128	
H 9H1289	13	13	25	20	25	20	23	31	126	149	149	4-03		-59	3-7	3-0	3-0	+1.95+82+19	
H 15299544	83	78	77	61	62	57	49.0	5.3	5.94	CREAM	2	6-21	420	36739153931182		3718	3314113551022	3	
H 11H2847	76	100	115	141	81	71	264	3.3	93	65	65	3-06		4488	4.2	3-2	A	+5443+363+127	
H 15704889	85	101	84	80	37	DRY	88.0	3.5	8.94	CRISSY	2	7-25	21	1534	60	53	118	BWT	
H 39H246	492	214	175	2425	1715		283	3.0		4889	35	3-06	+400	3-9	3-5	+400	1300		
H 15805188	85	73	68	70	70	60	DRY		-0.74	CUTIE	1	9-20					-2	28951	
H 9H7H4034	41	76	107	115	100					183	3	2-03		-37			C	+1110+67+31	
H 14978130	89	85	77	83	63	58	DRY	-0.80		DANDY	3	5-21					-4	322541043	
H 9H980	47	50	35	54	115	246				129	5	4-05		-35			B	+3653+14+50	
H 17025709										DARLENE	1	3-18	150	11193	498	382	1293	236881054	
H 7H4754	81	174	230	348	283	36	84	93	3	93	7-01		4-4	3-4	C	101	-2358+49+16		
H 14235079	103	91	87	60	68	65	53.0	3.8	5.02	DORIS	5	7-19	392	3330311621033		3126	294471029		
H 9H924	57	460	141	200	115	123	132	36	102	70	70	6-09		-192	3-5	3-1	C	100+163+25+6	
H 15631861	112	99	114	101	95	88	75.0	3.9	7.96	FAITH	2	1-21	206	20218	779	663	2082	283651100	
H 7H843	57	57	162	141	325	250	246	35	113	878	69	3-01		-270	3-9	3-3	B	100+201+58+54	
H 15576338	DRY	DRY	128	120	112	103	89.0	33	8.50	FRANCES	2	3-20	148	16454	578	516	1639	279481008	
H 7H3038			13	13	35	53	54	32	124	6338	36	3-04		-75	3-5	3-1	C	98+1190+11+72	
H 15806686	64	65	74	60	62	62.0	62.0	39	6.33	GINNY	1	2-05	191	12267	488	409	1217	20456	
H 29H6697	33	20	13	41	23	76	34	69	901	901	2-07		4-0	3	3	E	104+6605+180+180		
H 17072165			66	73	71	68.0	35	6.67	GLORY	1	3-31	137	9413	314	284	835	23152		
H 7H423			66	76	123	93	115	32	165	165	1-11		3-3	3-0	D	101+2615+124+88	-79		
H 15207580	104	110	124	115	105	80	77.0	36	7.99	HOP E	3	1-22	205	21047	690	650	2047	26818	
H 28H205	13	13	19	23	38	47	214	33	117	41	4-05		-377	3-3	3	C	103+1285+135+29		
H 14646532	110	107	101	81	DRY	86	99.0	34	9.41	INEZ	4	6-30	46	3946	178	144	368	22705	
H 15777497	83	75	76	54	54	DRY	82.0	42	10.14	IRENE	2	8-02	13	842	39	37	61	BWT.	
H 29H7900	57	62	115	54	76	93	66	32	62	929	18	2-01		-34	4-6	4-4	D	+1392+30+54	
H 15440090	96	95	92	73	61	69.5	44	8.72	JASMINE	2	10-21	298	270931177	940	3190	306121294	1029	1	
H 23H275	71	87	107	54	71	57	38	138	138	138	41	3-05		+268	4-3	3-5	A	+102+2746+294+31	
Billing for period following 8-14-98 DRPC Fees 23.48 State Fees 11.47														Lab Fees	23.80	Total Fees	10.01	Total Amount 68.76	

Due Date Codes

 \* Conf. Prog.  
 - Not Conf.

Action Codes

B = Breed

D = Dry

F = Lead Feed

P = Prod. Check

 1 - Solid Feet and Legs  
 2 - Solid Dairy  
 3 - Solid Low Production

 4 - Solid Reproductive Prob.  
 X - Solid Reason Not Reported

H - Irn Heat On Test Day

I - Injected Prior or During Milking

 L - Injected Prior  
 R - Injected After  
 C - 305 Day Rec. Has Been Computed

E - B Fat Estimated By Supervisor

F - B Fat Estimated By Producer

G - Solid Injury or Other

H - Solid Udder

J - Solid Reason Not Reported

K - Rec Started or Ended By Abortion

L - Injected Prior or During Milking

M - Solid Inflammation

N - Solid Disease

O - Solid Injury or Other

P - Solid Udder

Q - Solid Reason Not Reported

R - Solid Inflammation

S - Solid Disease

T - Solid Injury or Other

U - Solid Udder

V - Solid Reason Not Reported

W - Solid Inflammation

X - Solid Disease

Y - Solid Injury or Other

Z - Solid Udder

AA - Solid Reason Not Reported

BB - Solid Inflammation

CC - Solid Disease

DD - Solid Injury or Other

EE - Solid Udder

FF - Solid Reason Not Reported

GG - Solid Inflammation

HH - Solid Disease

II - Solid Injury or Other

JJ - Solid Udder

KK - Solid Reason Not Reported

LL - Solid Inflammation

MM - Solid Disease

NN - Solid Injury or Other

OO - Solid Udder

PP - Solid Reason Not Reported

QQ - Solid Inflammation

RR - Solid Disease

SS - Solid Injury or Other

TT - Solid Udder

UU - Solid Reason Not Reported

VV - Solid Inflammation

WW - Solid Disease

XX - Solid Injury or Other

YY - Solid Udder

ZZ - Solid Reason Not Reported

AA - Solid Inflammation

BB - Solid Disease

CC - Solid Injury or Other

DD - Solid Udder

EE - Solid Reason Not Reported

FF - Solid Inflammation

GG - Solid Disease

HH - Solid Injury or Other

II - Solid Udder

KK - Solid Reason Not Reported

LL - Solid Inflammation

MM - Solid Disease

NN - Solid Injury or Other

OO - Solid Udder

PP - Solid Reason Not Reported

QQ - Solid Inflammation

RR - Solid Disease

SS - Solid Injury or Other

TT - Solid Udder

UU - Solid Reason Not Reported

VV - Solid Inflammation

WW - Solid Disease

XX - Solid Injury or Other

YY - Solid Udder

ZZ - Solid Reason Not Reported

AA - Solid Inflammation

BB - Solid Disease

CC - Solid Injury or Other

DD - Solid Udder

EE - Solid Reason Not Reported

FF - Solid Inflammation

GG - Solid Disease

HH - Solid Injury or Other

II - Solid Udder

KK - Solid Reason Not Reported

LL - Solid Inflammation

MM - Solid Disease

NN - Solid Injury or Other

OO - Solid Udder

PP - Solid Reason Not Reported

QQ - Solid Inflammation

RR - Solid Disease

SS - Solid Injury or Other

TT - Solid Udder

UU - Solid Reason Not Reported

VV - Solid Inflammation

WW - Solid Disease

XX - Solid Injury or Other

YY - Solid Udder

ZZ - Solid Reason Not Reported

AA - Solid Inflammation

BB - Solid Disease

CC - Solid Injury or Other

DD - Solid Udder

EE - Solid Reason Not Reported

FF - Solid Inflammation

GG - Solid Disease

HH - Solid Injury or Other

II - Solid Udder

KK - Solid Reason Not Reported

LL - Solid Inflammation

MM - Solid Disease

NN - Solid Injury or Other

OO - Solid Udder

PP - Solid Reason Not Reported

QQ - Solid Inflammation

RR - Solid Disease

SS - Solid Injury or Other

TT - Solid Udder

UU - Solid Reason Not Reported

VV - Solid Inflammation

WW - Solid Disease

XX - Solid Injury or Other

YY - Solid Udder

ZZ - Solid Reason Not Reported

**MONTHLY REPORT DHI-220**

**DEMO HERD**

Record Plan				Condition Affecting Record																	
HerdCode	Breed	Assoc.	Supervisor	Test Interval		Received at Lab		Test Interval		Received at Lab		Test Interval		Received at Lab							
12-99-9999	H	431	80	8-14-98	77.0	30	7-16	8-14	8-14	77.0	30	7-16	8-14	8-14	77.0	30					
SCC Actual & Milk Wts. by Test Day	Sample Day Date	Birth Name	Last Name	Test Date	Test Date	Milk Pounds	Fat %	Income Feed Cost	Milk Pounds	Days in Milk	Fat %	Fat Lbs	Prot %	Fat Lbs	Prot %	C. Income	305-2% ME				
B. Cow Identification	Test Date	Test Date	Test Date	Test Date	Test Date	5.15	14.5	5.15	14.5	2-01	1-25	-0.63	10.0	1-25	1-25	A Feed Cost	Difference From Headquarters				
B. Sire Identification	Milk	Milk	Milk	Milk	Milk	115	115	115	115	91	95	86	8.25	90	95	A R Cost	+365				
C. Cow Identification	SCCA	SCCA	SCCA	SCCA	SCCA	115	115	115	115	91	95	86	8.25	90	95	A R Cost	+365				
H 42WJA9169	81	73	69	59	52	6.0	14.1	348	56	169	114	5.37	5.73	114	114	296	-16				
H 15631863	81	73	69	59	52	6.0	14.1	348	56	169	114	5.37	5.73	114	114	296	-16				
H 1H920513	13	23	17	528	1056	325	800	115	90	115	132	8.25	12.0	10.0	11.0	94	9-15				
H 14552502	134	113	115	100	99	8.6	79.5	36	8.25	JOSIE	4	12-14	244	26496	959	847	7484+190	7H4703 E			
H 1H4141	919	985	970	1056	970	8.7	800	115	34	132	2	9.1	6.03	4.45	3.6	3.2	98	-1-20			
H 14853222	99	42	DRY	DRY	DRY	122	114.0	25	9.29	JULIE T	4	6-29	4.7	5291	170	14.4	397	29H8282			
H 39H246	107	92	DRY	DRY	DRY	41	71	25	11.8	75.7	77	5.09	3.7	3.10	3.2	2.7	64	B			
H 15826619	84	78	73	64	75	61	51.0	41	5.05	KELLY	1	9-20	329	25305	940	869	2613	3046110991005	1-02		
H 1H205357	113	25	1131	985	528	696	566	36	8.7	619	2	20.1	2.01	2.12	3.7	3.4	100	+2655	-109	7H4703 D	
H 15155638	78	53	34	DRY	DRY	83	116.0	30	11.02	KRYSTAL	3	7-07	39	3679	145	124	299	+372	64	B	
H 1H1289	115	214	214	DRY	DRY	122	113	94	8.60	39	8.93	LADY	3	4-19	118	12333	489	351	1205	23831982	-10-09
H 15230191	38	DRY	DRY	118	117	29	132	30	11.7	130	49	4-07	1-126	1.0	2.8	D	100	+2655	-109	7H4703 D	
H 7H3222264	264	DRY	DRY	174	174	30	99	14	55	5-00	492	+240	3.9	3.4	D	100	+1632	563	B		
H 15745719	98	85	76	83	68	59.0	41	6.33	LIZZY	1	10-19	300	25778	875	860	2644	3075510191010	1-225	12-02		
H 1H1307344	50	44	35	44	54	36	103	571.9	54	2-06	571.9	+130	3.4	3.3	B	100	+2998	1-5116	7H4821 D		
H 14924443	167	151	145	140	114	115	108.0	27	9.73	LOIS	4	1-17	210	28433	866	864	2859	3536310471101	1-719	-4-25	
H 1H1335152	528	230	400	325	919	12.3	31	15.9	111	37	5-03	+429	3.0	3.0	A	103	+6950	+209	14H224 P		
H 15564983	124	121	117	109	98	71	71.0	34	6.69	LOLA	2	1-22	205	21059	684	661	2077	28446936	905	-02	
H 7H84332	44	107	93	4851	919	34	12.2	868	52	3-03	868	+50	3.2	3.1	C	104	+373	96+22	1144063		
H 17025693	83	83	74	81	81	58.0	36	5.29	LONI	1	3-24	144	10948	404	332	1053	22654862	705	1-5-26		
H 7H3994	132	187	162	132	400	31	83	6.93	2-01	693	49	6-06	+234	3.7	3.0	D	90	-3195	-97	9H1868	
H 14542555	156	113	108	97	94	83	62.5	46	6.41	MABEL	5	12-14	244	267071005	801	2634	289361117	904	2-5-06		
H 7H3H646	1056	566	746	2263	857	696	197.0	34	14.83	24	49	-0.73	MAGICAL	1	4-20	46	-24	277161048873	3-12-18	9-24	
H 15762303	70	76	62	57	42	DRY	DRY	DRY	DRY	2303	34	2-01	+2303	34	2-01	C	-46	-986	-9-36	9H1833	
H 7H3H1414	62	107	100	93	123	87	79	73.0	35	6.78	MANDY	2	5-21	451	5400720221676	5283	4108315391246	1-12			
H 14778116	120	111	102	100	87	87	79	73.0	35	6.78	MANDY	2	5-21	451	5400720221676	5283	4108315391246	1-12			
H 1H2085	2986	246	21	4223	3430	2786	35	15.4	104	159	5-00	+895	3.7	3.1	A	100	+12680	+43135	B		
H 15564989	99	113	103	88	87	43.0	56	5.84	MARCY	2	1-21	206	18671	732	599	2065	23149966774	1-4-07	-		
H 7H843429	325	348	200	141	132	373	37	83	927.7	2	3-06	+601	4.0	3.7	E	94	-7700	230134	7H4164		
H 15483253	53	45	DRY	DRY	DRY	99	108	102.0	34	10.09	MARTHA	2	6-08	68	6933	288	224	621	25680994823	-	-
H 1H1523	200	283	200	800	800	919	31	104	74	59	3-11	+318	4.2	3.2	C	88	-4676	-68-100	7H4821		
H 14763520	125	164	179	166	144	129.0	40	14.57	MAU	3	3-03	165	25281112	763	2925	3693915382140	1-5-19	2-23			
H 7H980	115	50	22	107	132	132	132	132	132	171	56	5-11	+1408	4.4	3.0	A	102	+7529+473+226	1-7-11	B	

PAGE 3      Total Amount 6R. 76

Total Fines 00

10.01

00.00

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Due Date Codes  
\* Conf. Preg.  
- Not Conf. Preg.  
Action Codes  
B = To Bed  
D = To Dry  
F = Lead Fed  
P = Pre. Check.

7 - Solid Feet and Legs  
8 - Solid Dairy  
3 - Sold Low Production  
4 - Sold Reproductive Prob.  
X - Sold Reason Not Reported  
H - In Heat On Test Day  
I - Injected Prior or Other  
C - 305 Day Rec. Has Been Computed  
B - Died

# MONTHLY REPORT DHI-220

EMO HERD

PAGE 4

Condition Affecting Record											Due Date Codes					
Herdcode		Breed	Assoc.	Supervisor	Record Plan		Sample Date	Test Interval		Received at Lab	A - Abnormal	E - Estimated	F - % B Fat Estimated By Supervisor			
2-99-9999		H	431		80	20	DHIR	8-14-98	77.0	30	7-16	8-14	G - Solid Disease			
B	Cov	SCC	Actual	8 Milk	Milk	Wks by Test Day	Sample Day	Date	Birth Date	Received at Lab	7 - Solid Mastitis	8 - Solid Disease	9 - Solid Udder			
B	Test Identification	Test Date	Test Date	Test Date	Milk	Test Date	Milk	Income Fed Cost	Live No	fresh Date	1 - Solid Fat and Lugs	2 - Solid Dairy	3 - Solid Low Production			
B	Site Identification	SCCA	SCCA	SCCA	Milk	SCCA	SCCA	Summit Milk %	Days Dry	Days in Milk	4 - Solid Reproductive Prob.	X - Solid Reason Not Reported	B - Rot Started or Ended By Abortion			
H	15120766	93	79	73	70	67	72	58.5	34	5.35	5 - Injected Prior or During Milking	I - In Heat On Test Day	C - 305 Day Rec. Has Been Computed			
H	7H980	41	20	66	76	200	100	132	36	102	J - % B Fat Estimated By Lab	K - % B Fat Estimated By Lab	L - % B Fat Estimated By Lab			
H	15232286	71	59	58	DRY	DRY	DRY	120.0	34	12.38	MELINDA	3 - 7-16	30	3132 118 102		
H	7H843	566	857	1493				54	29	106	64	4-10	+200	3 8 3 3		
H	17072169							71.0	36	6.53	MILLY	1	7-18	28 1670 66 48		
H	28H205							21.4	26	941		2-03	4 0 2 9			
H	15982207	68	87	79	66	65.0	36	6.25	MIMI	1	3-18	150 10761 414 347	1036 22418 879 756 1 7-30			
H	7H3994	35	18	27	35	62	33	83	207	2-03	3	3 2	D - 02	-3397 94 54 29H8382 P 9 3		
H	15874475			90	101	84	79.0	40	8.87	MINDY	1	4-14	123 10663 463 352			
H	7H11117			44	41	31	200	34	95	4475	2-08	1 3 3 3	C - 01	-741 160 +34 6		
H	15777496	73	81	70	63	69	66	63.0	31	5.63	MINNIE	1	9-03	346 25582 601 828 2042 28872 633 896 2 6-17		
H	28H205	29	44	44	54	132	33	57	34	87	7496	2-02	-427 2 3 3 2 D - 00	+957 383 -0 7H11208 P		
H	15874502	91	103	91	96	89	92	81.0	33	8.03	MISSY	1	11-15	273 24734 809 804 2458 32819 1045 2 5-25		
H	7H11117	13	13	214	44	23	38	57	33	93	4502	2-02	+233 3 3 3 3 B - 00	+5305 162 11H4063		
H	15460388	86	77	49	DRY	DRY	DRY	122	113.0	32	10.72	MITZE	2	6-17	59 6638 242 198 570 27249 990 810 2 8-12	
H	1H1523	47	123	141	23	81	29	117	388	47	3-11	+152 3 6 3 0 C	+1080 12 10 10 B			
H	14778106	27	DRY	85	120	105	103	106.5	34	10.76	MOLLY	3	4-03	134 13838 506 415 1329 25841 962 820 1 7-20		
H	1H2085	264	14	81	81	71	54	30	112	26	5-10	+794 3 7 3 0 C	106 -542 -25 -2 7H4164 P 9 3			
H	15967652	91	84	72	82	77	78	59.0	34	5.47	MONICA	1	12-24	234 18020 673 581 1866 26563 963 859 2 5-19		
H	29H6697	4	47	20	44	87	71	400	34	8	652	2-00	-108 3 7 3 2 C	96 1526 70 21 7H4638 P 9 26		
H	15777492	91	82	87	78	70	DRY	-0.74	MORIA	1	9-19		-24 29011 1099 926 1 11-24			
H	7H980	13	13	13	13	17	31	31	492	33	2-04	+137 B	+1146 97 27 7H4482 P 8 7			
H	15240490	79	68	71	79	62	60	51.0	45	5.18	NOVA	2	4-06	496 3711514041 333 3341 25576 928 875 13 8-10		
H	7H581	50	17	54	107	87	52	214	38	98	215	5-06	-78 3 9 3 6 D	100 3173 132 34 9H1933 P 9 24		
H	15490202	DRY	95	96	91	88	74.0	38	7.76	PRISSY	2	3-14	154 13645 548 429 1441 22421 911 730 5-06			
H	7H3532	13	13	17	33	31	50	32	95	990	30	3-09	-233 4 0 3 1 D	97 -3451 -69 -77 B		
H	15631867	DRY	114	120	117	103	94.0	33	9.19	PROTEIN	2	3-19	149 16247 551 487 1595 28427 992 859 1 7-30			
H	94H7533	3	13	13	13	17	33	31	52	264	29	3-06	-78 3 9 3 6 D	100 1576 3 30 29H8282 P 9 3		
H	15741375	90	91	84	68	63	DRY	-0.80	ROSE	1	8-01	+135 B	-26 29665 1045 989 1 12-11	9-17		
H	28H205	54	123	4	38	66				1375	33	2-06	+135 B	+1840 +41 +93 7H4482 P 9 03		
H	42WJB3117								63.0	31	5.33	S-29	1	8-01	14 679 23 22 49 BWT: 1100	
H	17134726								325	29	29					B - 9 15
H	94H223															3-29
H	15519440	103	119	114	88	92	90	100.0	38	10.76	TARA	2	1-25	202 20065 748 613 1951 298441 99 903 3 7-20	4-26	
H	29H5824	47	13	13	115	27	162	264	30	116	69	57	3-05	-60 3 7 3 1 B	109 +1652 66 +20 7H4164 P 9 03	
	Billing for period following 8-14-98	DRPC Fees	23.48	state Fees	11.47									Total Amount 68.76		
	Lab Fees	23.80	Local Fees	10.01												

\* Cont. Preg  
\*\* Not Conf. Preg  
Action Codes  
B = Breed  
D = To Dry  
F = Lead Feed  
P = Preo. Check

# MONTHLY REPORT DHI-220

DEMO HERD										Condition Affecting Record														
Herdcode		Breed	Assoc.	Supervisor	Record Plan		Sample Date		Test Interval		Received at Lab		Cow Months Length		From:		Test Interval		Received at Lab		A - Abnormal			
12-99-9999		H	431		80	20	DHIR	8-14-98	77.0	30	7-16	8-14	7- Sold Mastitis	2 - Sold Disease	3 - Sold Low Production	4 - Sold Reproductive Prob.	5 - Sold Injury or Other	6 - Died	E - Estimated	F - % B Fat Estimated By Supervisor	G - In Heat On Test Day	I - Injected Prior or During Milking	J - % B Fat Estimated By Lab	
B	Cow Identification	Test Date	Test Date	Test Date	Test Date	Test Date	Milk Pounds	Income Cost	Lact No.	Fresh Date	Milk Pounds	Income Cost	Lact No.	Fresh Date	Milk Pounds	Income Cost	305-2X-ME	Days Bred	Date	Days Bred	Date			
B	Sire Identification	2-14-3-13	4-14	5-15	6-16	7-15	54	57	45	72	5-10	53	56	45	58	51	3877	36230	13571086	2	5-09	2-13		
H	15939298						90	94	93	97	20	87	94	92	95	97	297	273381000	804					
H	14570294	106	84	105	98	108	89	77.0	38	7-96	TELLA	4	8-19	361	3857214621169	3877	36230	13571086	2	5-09	2-13			
H	9H924	13	13	41	29	54	57	32	133	45		57	50	45	51	38	30	A	100	+8575	13641192	9H1833		
H	14829104	DRY	126	115	120	110	93.0	36	9.03	TIFFANY	4	3-15	153	17336	681	507	1757	265241048	803					
H	7H1897		1300	1056	460	1970	606	28	123	79	49	5-07	288	39	29	C	98	-30	143	17		B		
H	15982236	81	101	102	91	70	60	60	37	546	TONYA	1	1-20	207	16698	596	506	1640	26023	936	785	1	5-12	2-16
H	7H980	57	50	115	66	62	54	31	101	926	201	2	01	36	30	D	03	1891	95	88				
H	15014963	112	92	87	71	70	80	67.3	42	7.44	TWLIGHT	3	10-02	317	296131201	954	3044	296371167	933	2	5-13	2-17		
H	7H3295	44	62	132	107	62	93	37	12	22	47	4-08	47	4-08	+195	4	32	B	100	+1814	166	+34		
*** AVERAGE S ****										MLK ****														
AVG IN MLK										COWS % IN MLK														
HERD AVG										1380 192 68										275561025	866			
*** LACTATION S ****										1370 170 77										100	+585	+25	+18	
LACTATION DATE										1370 170 77														
H	15826621	79	66	64	54	53	42	DRY	8-12	CHOIE	1	9-10	336	21180	934	719	2233	252831102	836					
S	29H6558	264	152	123	174	107	66			6621	3	2-01			+43	44	34	C	100	-2659	+100	-64		
H	15805188	85	73	68	70	70	60	IN MILK		CUTIE	1	9-20	305	23161	780	776				28951	944	934		
S	7H4034	41	76	107	115	133	100			188	3	2-03			-37	34	34	C	100	+1110	-67	+37		
H	15805188	85	73	68	70	70	60	DRY	8-12	CUTIE	1	9-20	326	24376	824	819	2314	28951	944	934				
S	7H4034	41	76	107	115	133	100			188	3	2-03			-37	34	34	C	100	+1110	-67	+37		
H	14978130	89	85	77	83	63	58	DRY	8-10	DANDY	3	5-21	446	4113513581261	568	430	3622	322541043	957					
S	7H980	47	50	35	54	115	246			129	5	4-05			-35	33	33	B	100	+3653	-14	+150		
H	14235079	103	91	87	60	68	65	IN MILK		DORIS	5	7-19	365	317221104	978					294471029	905			
S	9H924	57	400	141	200	115	123			70	31	6-09			-37	34	34	C	100	+1631	+25	-6		
H	14943511	DRY	92	116	106	95	85	SOLD	8-13	HALEY	3	3-05	162	15739	568	430	2	904	22887	815	643			
S	1H583	152	131	19	87	949	201			949	5	5-06			+71	36	27	E	99	-4148	-162	-85		
2-14-00 DNR Fees										11	47!									23.80	Local Fees	10.01	Total Amount	68.76

# MONTHLY REPORT DHI-220

PAGE

6

EMO HERD

Herdcode	Breed	Assoc.	Supervisor	Record Plan	Sample Date	Test Interval	Received at Lab	A - Abnormal
2-99-9999	H	431		80	20 DHI R	8-14-98	77.0	7-16 8-14

SCC Actual & Milk Wts by Test Day

\*\*\* L A C T A T I O N S \*\*\*\*

Test Date

Test Date

Test Date

Milk

Milk

SCCA

Condition Affecting Record								
1 - Sold Foot and Legs	7 - Sold Mastitis							
2 - Sold Dairy	8 - Sold Disease							
3 - Sold Low Production	9 - Sold Udder							
4 - Sold Reproductive Prob.	X - Solid Reason Not Reported							
5 - Sold Injury or Other	H - In Heat On Test Day							
6 - Died	I - Injected Prior or During Milking							
	J - % B Fat Estimated By Supervisor							
	K - Rec. Started or Ended By Abortion							
	L - % B Fat Has Been Computed							

Filling for period following 8-14-98 DRPC Fees 23.43 State Fees 11.47

Lab Fees 23.80 Local Fees 10.01 Total Amount 68.76

\* Cont. Prog.  
\* Not Cont. Prog.

Action Codes  
B = To Breed  
D = To Dry  
F = Lead Farm  
P = Prex. Check

Due Date Codes  
A - Abnormal  
E - Estimated  
F - % B Fat Estimated By Supervisor  
H - In Heat On Test Day

I - Injected Prior or During Milking  
L - % B Fat Estimated By Lab

305-2 X-ME

Times  
Bled

Date  
Bled

Date  
Bled

Difference  
From Headnames

Service Site

Action  
Needed

Identification

Prot  
Fat

Wilk

Fat

%

L

# SOMATIC CELL COUNT PROFILE DHI-520

11/96

HERDCODE  
42999999

DEMO HERD

SCC OPTION: SCORE/ACTUAL  
ACTUAL (NEAREST 1000)

DATE OF TEST  
08 14 98

PAGE 1

SCC SCORE TO ACTUAL CONVERSION CHART						
SCCS Cell Cnt (1000)	SCCS Cell Cnt (1000)	SCCS Cell Cnt (1000)	0	0-18	4	141-283
0	19-35	6	264-565	8	9	2,252-4,523
2	35-71	6	566-1,130	7	9	4,524-9,999
3	72-141	7	1,131-2,252			

ESORTED BY % OF BULK TANK SCC

HERD AVG. SCC COUNT  
527

BARN NAME or COW INDEX	SOMATIC CELL COUNT						MASTITIS INFECT *	% BULK TANK SCC	AV. SCC W/O THIS COW & COWS ABOVE THIS COW	LACT. AVG. SCC SCORE	#SCC TESTS THIS LACT.	#TESTS OVER 3.9 SCC SCORE	DAYS IN MILK	DUE DATE	LACT. NO.	RATING	
	TEST DAY	MILK	TEST DATE	TEST DATE	TEST DATE	TEST DATE											
PREVIOUS	CURRENT	03-13	04-14	05-15	06-16	07-15	THIS TEST										
CHERISH	60						7352	NEW	16	447	9.2	1	1	20		4	
CELESTE	65	62	3200	5199	2425	2263	1300	CHR	11	389	5.8	6	6	892		5	
MANDY	79	73	246	2111	4223	3430		CHR	7	354	5.6	5	5	451		2	
IRENE	82						1715	NEW	5	331	7.1	1	1	13		2	
CLARA	69	64	492	606	1213	1493	5199	CHR	4	310	6.3	6	6	225	1-30-99	2	
MABEL	83	63	566	746	2263	857	696	1970	CHR	4	288	5.6	6	6	244	2-10-99	5
AMBER	77	71	460	650	373	174	5972	CHR	4	264	6.1	6	5	419		4	
LOT'S	115	108	528	230	400	325	919	CHR	4	242	5.1	6	6	210	4-25-99	4	
CARMEN	87	59					162	1600	NEW	3	225	5.4	2	1	45		2
MARTHA	108	102				200	800	919	CHR	3	209	5.4	3	3	68		2
MARCY	87	43	76	62	246	107	1838	NEW	2	193	8.5	6	2	206	1-12-99	2	
ANDREA	69	56	187	696	746	606	985	1393	CHR	2	177	4.5	6	5	256	2-28-99	4
LOLA	71	71	44	107	93		4851	919	CHR	2	165	4.3	5	2	205	2-06-99	2
TIFFANY	110	93		1300	1056	460	1970	606	CHR	2	155	6.2	5	5	153		4
KELLY	61	51	25	1131	985	528	696	566	CHR	1	150	3.9	6	5	329	10-09-98	1
LINEZ	86	99				650	400	CHR	1	144	5.4	2	2	46		4	
ALICE	58	91				919	325	CHR	1	140	5.5	2	2	58		2	
TARA	90	100	13	13	115	27	162	264	NEW	1	137	2.0	6	1	202	4-26-99	2
LONI	81	58		132	187	162	132	400	NEW	0	132	3.9	5	1	144	3-02-99	1
MONICA	78	59	47	20	44	87	71	400	NEW	0	128	2.3	6	1	234	5-19-99	1
MARGO	67	56	325	348	200	141	132	373	CHR	0	124	4.2	6	4	165	2-23-99	2
S-29	63						325	NEW	0	121	4.7	1	1	14		1	
CRISSY	88						283	NEW	0	117	4.5	1	1	21		2	
DARLENE	68	66		81	174	230	348	263	CHR	0	114	4.0	5	3	150	5-18-99	1
CHRIS	75	63	13	13	50	71	87	264	NEW	0	111	2.0	6	1	168	5-10-99	2
CREAM	57	49	100	115	141	81	71	264	NEW	0	109	2.5	6	1	420	10-29-98	2
PROTEIN	103	94		31	13	23	62	264	NEW	0	104	1.8	5	1	149	5-06-99	2
FAITH	88	75	57	162	141	325	230	246	CHR	0	101	3.5	6	3	206	5-05-99	2
JELLY	50	63				3676	230	CHR	0	98	6.2	2	2	59		1	
CARRIE	71	61	57	107	141	100	152	230	NEW	0	96	3.4	6	1	284	12-05-98	1
HOPES	80	77	13	19	23	38	47	214	NEW	0	92	1.3	6	1	205	2-24-99	3
NOVA	60	51	17	54	107	87	152	214	NEW	0	90	2.3	6	1	496	5-17-99	2
MILLY		71					214	NEW	0	87	4.1	1	1	28		1	
MINDY	84	79			44	47	31	200	NEW	0	84	2.3	4	1	123		1
ASTER	68	62			123	115	325	187	0	82	3.8	3	1	106	5-12-99	1	
COLLEEN	72	75			200	373	283	174	PRV	0	79	4.3	3	3	106	5-18-99	1
KRYSTAL	83	116				492	174		0	75	4.6	1	1	39		3	
CAMEO	58	54	115	107	107	141	132	162	0	73	2.6	5	0	268	12-15-98	1	
LADY	94	86			18	17	29	132	0	71	1.4	3	0	118		3	
MAUI	144	129	115	50	22	107	132	132	0	67	2.7	5	0	165		3	
DORIS	65	53	400	141	200	115	123	132	0	65	3.3	5	2	392	1-07-99	5	
MEGAN	72	59	20	66	76	200	100	132	0	64	2.4	5	1	391	10-02-98	3	
GLORY	71	68		66	76	123	93	115	0	62	2.9	4	0	137	5-16-99	1	
JOSTIE	86	80	985	1970	1056	325	800	115	PRV	0	60	5.6	5	5	244	1-20-99	4
SILKY	72	60			62	31	47	93	0	59	2.1	3	0	99	3-29-99	1	

\* NEW \* Animals with SCC Score &gt; 4 (200,000) for the first time this lactation

## SOMATIC STRESS PROFILE DHI-520

1196

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HERDCODE

42999999 DEMO HERE

5

SCC SCORE TO ACTUAL CONVERSION		CHART	
SCCS	Cell Cnt (1000)	SCCS	Cell Cnt (1000)
0	0-18	4	141-283
1	19-35	5	264-565
2	35-71	6	566-1,130
		7	1,131+

**SCC OPTION: SCORE/ACTUAL**

DATE OF TEST  
08 14 98

PAGE 2

HERD AVG. SCC COUNT

\* NEW \* Animals with SCC Score > 4 (200,000) for the first time this lactation.

Use the following information to calculate answers for questions 34 and 35:

Most Iowa dairy producers are now paid for their milk under a system that pays for various components rather than volume. A producer is paid the following amounts:

- \$ 2.07 per pound of protein
- \$ 2.30 per pound of milk fat
- \$ 0.07 per pound of other solids
- \$ 0.01 per cwt. for every 10,000 SCC below 400,000

A cow is producing 100 lb. of milk that contains 3.22% protein, 3.65% milk fat, 5.50% other solids.

34. What is the total value of her milk per day?

- a) \$4.44
- b) \$15.35
- c) \$15.45
- d) \$38,856.55

35. How much additional income would be generated for this producer by selling 100,000 lb of high quality milk (averaging 50,000 SCC) per month?

- a) \$250.00
- b) \$500.00
- c) \$2500.00
- d) \$25.00

Use the information in the table above (taken from the of the August, 1998 Holstein Sire Summary) to determine the best answer to questions 36-40.

**Sire Evaluation Questions - (5 points each)**

36. Which bull would be most likely to reduce calving difficulty in heifers?  
a) Sambo      b) Marconi      c) Rudolph      d) none of these sires
37. If a herd owners primary selection objective was to increase pounds of milk produced then the first choice of service sire should be:  
a) Dennis      b) Leadman      c) Aero      d) Elmspring
38. If herd owners are primarily interested in increasing the protein test of their cows, then the first choice of service sire should be:  
a) Dennis      b) Sid      c) Aero      d) Luxemburg
39. Which bull should do the most to improve overall type?  
a) Dennis      b) Sid      c) Aero      d) Luxemburg
40. Daughters of which sire would be expected to generate the most income?  
a) Dennis      b) Sid      c) Aero      d) Luxemburg

**Pedigree Evaluation - 50 points**

The pedigrees of four animals are listed on the following pages. Rank these animals based on their pedigrees and indicate your ranking on the answer sheet in the "judging scorecard" in the third column under the Pedigree Evaluation heading.

## HOLSTEIN

NAAB CODE	SIRE NAME	%RHA	INTERBULL/USDA GENETIC EVALUATIONS												SAMPLING INFO.				NAAB C.E. % DB R			
			PREDICTED TRANSMITTING ABILITIES												NO. NO.							
			NM \$\$	RK	MILK %	FAT %	LBS %	PRO %	YD %	MF \$\$	MFP \$\$	SCS \$\$	R	PL	R	HRDS	DAUS	PTAT	R	TPIM™		
97HO52	HOL-STIENS BE DENNIS.....	*TL	96 J	228	97 M	2291	82	-0.01	79	0.03	82	283	295	3.25	41	0.7	39	100	102 M	0.91	58	1477
2200	DIXIE-LEE LEADMAN SD-ET.....	*TL	100 -NA	208	94 M	2791	53	-0.21	79	-0.04	84	308	287	213	257	1.4	18	98	103 M	0.54	60	1378
180HO9606	HONDO AERO-ET.....	*TL	100 -NA	199	92 M	1598	77	0.08	73	0.10	82	230	258	3.25	18	1.4	18	158	185 M	0.99	59	1468
97HO34	528 DELTA LUXEMBURG.....	*TL	100 -NA	195	90 M	1883	64	-0.02	74	0.07	86	290	3.18	36	-0.9	36	106	115 M	0.85	62	1388	
2139	250 W-M-DRW NB ELMSPRING-ET.....	*TL	100 -NA	193	90 M	2553	59	-0.15	82	0.01	83	290	261	3.34	41	1.2	39	129	140 M	1.54	62	1442
220HO9602	BEACHLAWN GELPRO TOBEY-ET.....	*TL	100 -NA	192	89 M	2292	57	-0.12	72	0.00	84	263	245	0.01	86	82	82	158 M	1.72	71	1430	
199HO2	S FERMO AEOSTAR RAVEN.....	*TL	100 -NA	190	88 M	1887	88	0.08	58	-0.01	86	250	245	3.06	53	1.5	48	280	374 M	1.21	75	1314
73HO1745	LONG-HAVEN SAMBO-ET.....	*TL	100 -NA	189	88 M	2268	49	-0.15	65	-0.03	90	255	240	3.18	36	0.9	36	93	93 M	1.60	57	1481
220HO9601	HELDOSTAR.....	*TL	100 -NA	188	87 M	1424	80	0.13	67	0.10	82	199	242	0.07	81	212	239	85	88 M	1.47	59	1409
180HO9607	HAKONA LEA.....	*TL	100 -NA	186	86 M	1756	56	-0.04	70	0.07	81	246	3.08	36	1.2	34	40	108 M	1.31	65	1351	
2139	280 LESTER-ET.....	*TL	100 -NA	186	86 M	2092	59	-0.07	64	-0.01	74	246	240	217	235	215	235	267 M	1.64	79	1395	
199HO3	DEL SANTO CORSARO.....	*TL	96 -NA	183	83 M	1674	72	0.05	63	0.05	90	236	235	0.00	84	230	245	139	144 M	1.48	64	1359
97HO51	ETAZON WALLACE.....	*TL	100 -NA	183	83 M	2073	49	-0.12	66	0.00	84	246	240	0.04	87	230	245	129	251 M	1.43	71	1387
74HO175	MEADOW BRIDGE MEGABUCK-ET.....	*TL	100 -NA	180	81 M	2007	49	-0.11	72	0.04	87	232	238	3.16	34	0.6	34	133	138 M	0.34	54	1284
2200	JO-WAL PRELUDE MATRIX-ET.....	*TL	100 -NA	179	80 M	1695	89	0.12	57	0.02	84	232	238	3.26	42	1.3	39	133	138 M	0.24	54	1284
180HO9605	GREEN AERO.....	*TL	100 -NA	177	79 M	1401	76	0.11	62	0.08	79	194	228	0.01	82	220	226	70	72 M	1.24	58	1395
198HO1	VALMADRE UMBRO-ET.....	*TL	100 -NA	174	77 M	1819	59	-0.03	61	0.09	82	223	261	3.25	31	-0.9	31	91	95 M	1.01	59	1415
20HO9603	250 GIBBON.....	*TL	100 -NA	172	75 M	1934	49	-0.09	81	0.09	82	246	213	3.14	37	1.6	35	94	102 M	2.86	69	1392
73HO2374	DUNCAN PROGRESS-ET.....	*TL	100 -NA	169	73 M	1994	71	-0.01	47	-0.07	84	203	213	3.10	38	1.5	38	83	87 M	-0.18	56	1139
2139	250 GRAZER-ET.....	*TL	100 -NA	168	72 M	1668	56	-0.02	58	0.02	81	214	234	3.18	36	0.2	36	102	110 M	0.78	66	1316
72HO837	CRESCENT MEAD-A KIRBY-ET.....	*TL	100 -NA	168	72 M	2152	45	-0.15	66	-0.01	79	240	235	3.17	42	0.3	39	54	58 M	0.24	62	1223
2200	DUPASQUIER SYMPHONY-ET.....	*TL	100 -NA	167	70 M	1778	53	-0.05	68	0.05	84	211	234	3.19	42	0.8	41	69	71 M	0.34	57	1269
2139	250 RUSSELDALE GAINSA-Y-ET.....	*TL	100 -NA	167	70 M	1273	82	0.16	60	0.09	79	187	225	219	212	0.01	82	91	102 M	1.69	60	1369
180HO9604	HONNEUR LE-ET.....	*TL	100 -NA	166	70 M	1975	39	-0.14	60	-0.01	82	203	209	3.09	34	1.4	33	79	85 M	2.04	66	1359
73HO2272	COMESTAR TOP GUN-ET.....	*TL	100 -NA	165	69 M	1593	40	-0.08	64	0.06	83	226	246	3.25	45	-0.9	43	117	128 M	1.78	71	1478
73HO1965	STARTMORE RUDOLPH-ET.....	*TL	100 -NA	163	67 M	1724	48	-0.07	64	0.04	87	202	220	3.26	38	1.0	37	135	157 M	2.42	69	1440
97HO22	528 BERNARD.....	*TL	99 J	163	67 M	2138	48	-0.13	60	-0.03	84	242	225	3.46	26	1.2	19	153	155 M	1.10	64	1254
28HO471	ROTHROCK LENNON-ET.....	*TL	100 -NA	163	67 M	2220	53	-0.12	77	0.03	75	253	265	3.36	40	-1.5	38	28	40 M	0.53	58	1343
73HO2194	CAERNARVON JAY-ET.....	*TL	100 -NA	161	64 M	1675	83	0.10	64	0.05	86	219	246	3.25	45	-0.9	43	117	128 M	1.78	71	1478
97HO16	528 HAVEP MARCONI-ET.....	*TL	100 -NA	160	63 M	1481	49	-0.02	64	0.08	85	180	213	3.09	39	0.6	38	137	158 M	1.63	68	1358
220HO9600	250 FATAL.....	*BL	96 J	160	63 M	1260	51	0.02	72	0.15	82	161	224	3.22	16	0.3	16	98	108 M	2.04	56	1523
73HO2193	SIR ROCKIE AARON-ET.....	*TL	100 -NA	157	59 M	1834	56	-0.05	51	-0.03	82	219	204	3.22	36	1.4	36	71	74 M	1.79	65	1315
2139	250 SWIND GIMMICK-ET.....	*TL	100 -NA	157	59 M	1860	76	0.04	51	-0.03	79	238	220	3.20	35	0.2	34	65	67 M	0.58	56	1204
39HO444	MARKWELL TWOMAR-FIRST MIKE-ET.....	*TL	100 -NA	157	59 M	2233	33	-0.21	53	-0.08	77	239	202	3.10	44	1.2	42	44	47 M	1.85	61	1244
2139	250 RED-FEVER FIRST MIKE-ET.....	*TL	100 -NA	154	57 M	1606	54	-0.02	68	0.08	79	196	229	3.34	41	-0.2	41	70	71 M	0.42	56	1267

**OFFICIAL AJCA PERFORMANCE PEDIGREE**

**FEMALE**

**AMES BERRETTA DOLLY**

004020879

BORN 05-27-97

TATTOO A1639 A1639

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\*P7\*

\*\*\*\*

PA +902M +15F +41P +122PS +141CY\$  
+2.5 TYPE +261PTI

ST SR BD DF RA TW RL FA  
+0.9 +0.6 +0.5 +2.2 L0.9 +1.0 P0.3 S1.3  
FU RH RW UC UD TP TL  
+1.5 +2.2 +2.2 +1.3 S1.3 C2.8 L0.7

DATE ISSUED 11-20-97 (T 440514)

OWNER

215650

IA STATE DAIRY SCIENCE DEPT

123 KILDEE HALL

AMES IA 50011-0001

BREEDER

215650

IA STATE DAIRY SCIENCE DEPT

123 KILDEE HALL

AMES IA 50011-0001

REG NUMBER

BIRTHDATE

TATTOO

(1)

**MASON BOOMER SOONER BERRETTA**  
000651835 YSP 7J254

USDA 11/97 4612 DAUS 876 HRDS 52% RIP  
99%R +1556M -.26% + 32F 94%ILE  
99%R +.06% + 68P +210P\$ +239CY\$  
AJCA 11/97 2465 DAUS 100%USA  
PTAT 99%R +3.8 PTI 98%R +413

**AMES LESTER DOLLY**  
003832129 A1229 A1229

DHI HERD #42-85-0274 CONTROL #07923  
1-11 292 3 13530 4.5 606 3.9 531 DHIR  
2-11 240 3 8860 4.5 400 3.8 339 DHIR  
305 2X ME AVG 2L 12,711M 566F 489P  
2-07 84% 3-04 73%

ST SR BD DF RA TW RL FA  
28 25 23 25 17 19 18 27  
FU RH RW UC UD TP TL  
19 26 24 19 25 19 32  
PPA - 380M - 52F - 5P -63P\$ -57CY\$  
USDA PTA 11/97 2RECS 52%R 43%ILE  
+ 247M - 2F + 14P +34P\$ +42CY\$  
AJCA 11/97 PTAT 50%R +1.1 PTI 49%R +108

**SOLDIERBOY BOOMER SOONER OF CJF**  
000640211 7J159

USDA 11/97 18238 DAUS 1914 HRDS 9% RIF  
99%R +1513M -.33% + 19F 21%ILE  
99%R -.11% + 40P +142P\$ +139CY\$  
AJCA 11/97 11921 DAUS 100%USA  
PTAT 99%R +2.6 PTI 99%R +227

OSB E SETTLER SHADOW MAGGIE 95%  
003459978 OSB D192

2-00 304 2 15530 5.0 778 3.7 576 DHIF  
3-00 305 2 20040 5.1 1020 3.8 754 DHIF  
4-03 305 2 26200 4.3 1125 4.01040 DHIF  
5-06 305 2 25000 4.3 1068 4.11031 DHIF  
6-11 305 2 27340 4.3 1179 4.21154 DHIF  
8-10 305 2 25870 4.0 1036 3.91018 DHIF  
305 2X ME AVG 6L 24,889M 1095F 977I  
PPA +4523M +198F +199P +697P\$ +783CY\$  
USDA PTA 11/97 5RECS 69%R 99%ILE  
+1203M + 48F + 61P +198P\$ +230CY\$  
AJCA 11/97 PTAT 51%R +0.5 PTI 65%R +3

**HIGHLAND DUNCAN LESTER**

000645454 29J2875

USDA 11/97 8443 DAUS 1261 HRDS 10% RI  
99%R +1137M -.11% + 36F 23%ILE  
99%R -.01% + 41P +146P\$ +157CY\$  
AJCA 11/97 6001 DAUS 100%US  
PTAT 99%R +2.7 PTI 99%R +265

AMES TOP DEEDEE 86  
003520039 A9632 A9632

DHI HERD #42-85-0274 CONTROL #0785  
2-02 305 2 11160 4.6 514 4.0 448 DHI  
3-03 272 2 12480 4.6 575 3.9 484 DHI  
4-02 305 3 13990 4.3 603 3.8 538 DHI  
5-05 305 3 16050 4.7 752 3.7 597 DHI  
6-05 22 3 1080 4.4 48 3.1 34 DHI  
305 2X ME AVG 4L 13,861M 633F 537  
PPA - 238M - 4F + 2P -7P\$ +4CY\$  
USDA PTA 11/97 5RECS 61%R 20%ILE  
- 121M - 6F - 2P -13P\$ -11CY\$  
AJCA 11/97 PTAT 49%R +0.2 PTI 55%R +

**OFFICIAL AJCA PERFORMANCE PEDIGREE**

FEMALE

AMES OPTION MEL  
004020880  
BORN 05-28-97  
TATTOO A1640 A1640

\*\*\*\*  
\*P9\*  
\*\*\*\*

PA +1262M +41F +50P +171P\$ +188CY\$

ST	SR	BD	DF	RA	TW	RL	FA
+2.2	+1.7	+0.5	+2.8	L1.1	+1.2	P0.6	S1.3
FU	RH	RW	UC	UD	TP	TL	
+1.6	+2.3	+2.7	+1.3	S0.7	C3.0	L0.7	

(2)

DATE ISSUED 11-20-97 (T 440514)

215650

OWNER  
IA STATE DAIRY SCIENCE DEPT  
123 KILDEE HALL  
AMES IA 50011-0001

215650

BREEDER  
IA STATE DAIRY SCIENCE DEPT  
123 KILDEE HALL  
AMES IA 50011-0001

REG NUMBER      BIRTHDATE      TATTOO

DUTCH HOLLOW BERRETTAS OPTION-P-ET  
000662996 YSP 29J3164

PA +1435M +47F +58P +197P\$ +217CY\$  
+3.0 TYPE +349PTI

AMES BERRETTA MEL

003905415 A1399 A1399

DHI HERD #42-85-0273 CONTROL #01399  
2-02 29 3 1730 4.9 85 3.3 57 DHIR  
PPA +2269M + 63F + 82P +285P\$ +307CY\$  
USDA PTA 11/97 1REC 46%R 96%ILE  
+1089M + 35F + 42P +146P\$ +159CY\$

MASON BOOMER SOONER BERRETTA  
000651835 7J254

USDA 11/97 4612 DAUS 876 HRDS 52% RIP  
99%R +1556M -.26% + 32F 94%ILE  
99%R +.06% + 68P +210P\$ +239CY\$  
AJCA 11/97 2465 DAUS 100%USA  
PTAT 99%R +3.8 PTI 98%R +413

DUTCH HOLLOW LESTER MISCHIEF-P-ET 90%  
003791055 C284 C284

1-10 305 2 17150 4.9 846 3.6 618 DHIF  
3-02 305 2 17230 5.3 905 4.1 703 DHIF  
305 2X ME AVG 2L 21,569M 1068F 803F  
PPA +3121M +173F +107P +449P\$ +473CY\$  
USDA PTA 11/97 3RECS 58%R 98%ILE  
+1314M + 61F + 47P +184P\$ +196CY\$  
AJCA 11/97 PTAT 49%R +2.1 PTI 53%R +2%

MASON BOOMER SOONER BERRETTA  
000651835 7J254

USDA 11/97 4612 DAUS 876 HRDS 52% RII  
99%R +1556M -.26% + 32F 94%ILE  
99%R +.06% + 68P +210P\$ +239CY\$  
AJCA 11/97 2465 DAUS 100%US  
PTAT 99%R +3.8 PTI 98%R +413

LYON LESTER MEL

003818052 M69 M69

75

DHI HERD #42-85-0273 CONTROL #0125  
1-10 305 3 12590 5.1 636 3.6 449 DHI  
3-00 305 3 14280 5.7 816 3.6 513 DHI  
4-00 64 3 4060 6.7 273 3.1 127 DHI  
305 2X ME AVG 2L 12,974M 692F 460F  
PPA + 206M + 98F - 4P +77P\$ +65CY\$  
USDA PTA 11/97 3RECS 56%R 73%ILE  
+ 506M + 44F + 17P +85P\$ +88CY\$  
AJCA 11/97 PTAT 50%R +0.7 PTI 52%R +1

**OFFICIAL AJCA PERFORMANCE PEDIGREE**

FEMALE  
 AMES BARBER DEEDEE  
 004020881  
 BORN 05-29-97  
 TATTOO A1641 A1641

PA +1402M +56F +54P +195PS +212CY\$  
 ST SR BD DF RA TW RL FA  
 +2.2 +1.9 +0.7 +2.3 L0.9 +1.1 0.0 S0.6  
 FU RH RW UC UD TP TL  
 +1.1 +1.9 +1.9 +0.5 S0.3 C1.4 L0.2

(3)

WF/L&M DUNCAN BARBER-ET  
 000635862 YSP 7J177

USDA 11/97 145 DAUS 99 HRDS 8% RIP  
 93%R +1532M -.04% + 66F 79%ILE  
 93%R -.05% + 50P +200PS +209CY\$  
 AJCA 11/97 79 DAUS 100%USA  
 PTAT 82%R +2.7 PTI 88%R +322

AMES BERRETTA DEEDEE  
 003925489 A1423 A1423

DHI HERD #42-85-0273 CONTROL #01423  
 1-11 28 3 1810 4.8 87 3.5 64 DHIR  
 PPA +2700M +109F +122P +415PS +470CY\$  
 USDA PTA 11/97 1REC 46%R 99%ILE  
 +1271M + 46F + 57P +190PS +216CY\$

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OWNER 215650  
 IA STATE DAIRY SCIENCE DEPT  
 123 KILDEE HALL  
 AMES IA 50011-0001  
 BREEDER 215650  
 IA STATE DAIRY SCIENCE DEPT  
 123 KILDEE HALL  
 AMES IA 50011-0001

REG NUMBER BIRTHDATE TATTOO

HIGHLAND MAGIC DUNCAN  
 000635862 7J177

USDA 11/97 10576 DAUS 1507 HRDS 1% RIP  
 99%R + 696M +.08% + 45F 04%ILE  
 99%R +.00% + 26P +110PS +117CY\$  
 AJCA 11/97 8217 DAUS 100%USA  
 PTAT 99%R +1.6 PTI 99%R +196  
 WF/L&M CHIEF BARB-ET 94%  
 003453823 W547  
 2-03 305 2 17800 4.3 760 3.5 618 DHIR  
 4-02 305 2 19910 4.1 813 3.4 685 DHIF  
 305 2X ME AVG 2L 21,735M 898F 743F  
 PPA +4633M +128F +139P +524PS +535CY\$  
 USDA PTA 11/97 2RECS 87%R 94%ILE  
 +1202M + 32F + 36P +135PS +138CY\$  
 AJCA 11/97 PTAT 51%R -0.1 PTI 81%R +21

MASON BOOMER SOONER BERRETTA  
 000651835 7J254

USDA 11/97 4612 DAUS 876 HRDS 52% RII  
 99%R +1556M -.26% + 32F 94%ILE  
 99%R +.06% + 68P +210PS +239CY\$  
 AJCA 11/97 2465 DAUS 100%US  
 PTAT 99%R +3.8 PTI 98%R +413

AMES LESTER DEEDEE 84  
 003813405 A1194 A1194

DHI HERD #42-85-0273 CONTROL #0119  
 2-01 305 3 14570 5.1 749 3.9 562 DHI  
 3-02 273 3 13730 5.0 680 3.7 513 DHI  
 4-01 34 3 2650 4.3 115 3.4 90 DHI  
 305 2X ME AVG 2L 14,815M 745F 561  
 PPA +1504M + 72F + 62P +228PS +252CY\$  
 USDA PTA 11/97 3RECS 55%R 89%ILE  
 + 804M + 41F + 35P +128PS +143CY\$  
 AJCA 11/97 PTAT 51%R +0.3 PTI 51%R +2

**OFFICIAL AJCA PERFORMANCE PEDIGREE**

FEMALE  
 AMES BERRETTA LOLA  
 004020882  
 BORN 06-16-97  
 TATTOO A1647 A1647

PA +1054M +29F +44P +142PS +159CY\$  
 ST SR BD DF RA TW RL FA  
 +2.2 +1.7 +0.5 +2.8 L1.1 +1.2 P0.6 S1.3  
 FU RH RW UC UD TP TL  
 +1.6 +2.3 +2.7 +1.3 S0.7 C3.0 L0.7

(4)

DATE ISSUED 11-20-97 (T 440514)

215650

OWNER  
 IA STATE DAIRY SCIENCE DEPT  
 123 KILDEE HALL  
 AMES IA 50011-0001  
 BREEDER  
 IA STATE DAIRY SCIENCE DEPT  
 123 KILDEE HALL  
 AMES IA 50011-0001

215650

REG NUMBER BIRTHDATE TATTOO

MASON BOOMER SOONER BERRETTA  
 000651835 YSP 7J254  
 USDA 11/97 4612 DAUS 876 HRDS 52% RIP  
 99%R +1556M -.26% + 32F 94%ILE  
 99%R +.06% + 68P +210PS +239CY\$  
 AJCA 11/97 2465 DAUS 100%USA  
 PTAT 99%R +3.8 PTI 98%R +413

AMES MALCOLM LOLA  
 003925490 A1429 A1429  
 DHI HERD #42-85-0273 CONTROL #01429  
 PPA +1214M + 49F + 36P +149PS +151CY\$  
 USDA PTA 11/97 1REC 46%R 62%ILE  
 + 551M + 25F + 19P +75PS +79CY\$

SOLDIERBOY BOOMER SOONER OF CJF  
 000640211 7J159

USDA 11/97 18238 DAUS 1914 HRDS 9% RIF  
 99%R +1513M -.33% + 19F 21%ILE  
 99%R -.11% + 40P +142PS +139CY\$  
 AJCA 11/97 11921 DAUS 100%USA  
 PTAT 99%R +2.6 PTI 99%R +227  
 OSB E SETTLER SHADOW MAGGIE 95%  
 003459978 OSB D192  
 2-00 304 2 15530 5.0 778 3.7 576 DHI  
 3-00 305 2 20040 5.1 1020 3.8 754 DHI  
 4-03 305 2 26200 4.3 1125 4.0 01040 DHI  
 5-06 305 2 25000 4.3 1068 4.1 11031 DHI  
 6-11 305 2 27340 4.3 1179 4.2 1154 DHI  
 8-10 305 2 25870 4.0 1036 3.9 1018 DHI  
 305 2X ME AVG 6L 24,889M 1095F 977  
 PPA +4523M +198F +199P +697PS +783CY\$  
 USDA PTA 11/97 5RECS 69%R 99%ILE  
 +1203M + 48F + 61P +198PS +230CY\$  
 AJCA 11/97 PTAT 51%R +0.5 PTI 65%R +3

DUNCANS PRINCE MALCOLM  
 000647162 7J212

USDA 11/97 3232 DAUS 770 HRDS 21% RI  
 99%R +1047M +.00% + 49F 15%ILE  
 99%R -.01% + 38P +148PS +158CY\$  
 AJCA 11/97 1878 DAUS 100%US  
 PTAT 98%R +2.2 PTI 98%R +243

AMES BLOSS LINDA  
 003771454 A1110 A1110

76

DHI HERD #42-85-0274 CONTROL #0790  
 1-11 299 3 13880 4.9 681 3.8 524 DHI  
 2-11 287 3 14260 5.0 717 3.8 538 DHI  
 3-10 266 3 13290 4.2 559 3.5 470 DHI  
 305 2X ME AVG 3L 13,996M 663F 51E  
 PPA + 340M + 8F + 16P +49PS +57CY\$  
 USDA PTA 11/97 3RECS 58%R 36%ILE  
 + 159M + 8F + 8P +27PS +32CY\$  
 AJCA 11/97 PTAT 50%R -0.5 PTI 53%R +

**1998 Iowa FFA Dairy Cattle Production and Management Test**  
**Answer Sheet**

Name: KEY

Chapter (Town): \_\_\_\_\_

Contestant No: \_\_\_\_\_

**General**

(2 points each)

1. D
2. B
3. D
4. A
5. A
6. C
7. B
8. B
9. C
10. B
11. D
12. D
13. C
14. D
15. A
16. B
17. B
18. C
19. A
20. D
21. C
22. C
23. C
24. C
25. A

**DHIA**

(5 points each)

26. B
27. A
28. D
29. A
30. A

**Dairy Problems**

(5 points each)

31. C
32. B
33. A
34. C
35. A

**Sire Summary**

(5 points each)

36. C
37. B
38. C
39. C
40. A

**Pedigree Evaluation**

(50 points)

3-2-4-1  
4-6-3

1234	21
1243	11
1324	25
1342	19
1423	5
1432	9
2134	30
2143	20
2314	43
2341	46
2413	23
2431	36
3124	38
3142	32
3214	47
3241	50
3412	35
3421	44
4123	8
4132	12
4213	17
4231	30
4312	25
4321	34