



USING DAIRY RECORDS -- Leader Guide

Business success depends on the availability of sufficient records to make decisions and to set goals for the future. This is particularly true of dairy farming because of the large investment and the length of time required to get into or out of business. The basic record used in the dairy business is the milk and fat production of individual cows.

Years ago dairy operators understood the necessity for production records to identify the high producing, efficient cows from poor producers. The ability to produce milk is not closely correlated to show-ring type. Therefore, it is desirable that you learn to use, interpret, and evaluate dairy production records. Terms and abbreviations you should become familiar with are:

DHIA -- Dairy Herd Improvement Association

This represents a cooperative effort between dairy operators, the Cooperative Extension Service, the United States Department of Agriculture and the National Dairy Herd Improvement Association to provide a production record system for dairy farmers.

Official DHI --

A record of milk weights and the butterfat content of milk samples from each cow in the herd obtained and recorded by a supervisor at approximately monthly intervals under specified rules and procedures that are uniform throughout the United States.

DHIR --

This is also an official test conducted the same as DHI. DHIR records are only maintained on registered cattle whose lactations are recorded by the breed associations.

Unofficial --

Certain records are considered unofficial because the dairy farmer does not wish to comply with the official rules when taking milk samples from his cows. The value of these records depends on the integrity and

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conscientiousness of the sample-taker. These records are not reported to U.S.D.A. or the breed associations for cow and sire evaluations. However, the printed reports to the dairy farmer are identical and can be used for herd management. A few of these kinds of records are identified as:

Owner Sampler -- The owner takes the samples and records the data.

Tester Sampler -- A supervisor takes the sample and records data but does not comply with all the requirements for Official records.

AM - PM -- Samples are taken alternately, in the morning one month and afternoon the next month. For any one test period the sample represents only one-half of a day (one milking).

1. String

In larger herds cows are often divided into groups or strings. These strings may be permanent or temporary.

2. CAR -- Condition affecting record

This refers to injury or disease that has an adverse affect on the cow's production.

3. 3X

This indicates the cow was milked three times a day.

4. EST --

If a sample is lost or broken on the way to the testing center, the computer will enter an estimated production and check this column.

5. Sickness description

The computer will enter a code number here only the month that the cow is sick.

6. SNF/Prot -- Solids Not Fat/Protein

Most DHI centers can determine Solids Not Fat (SNF) or protein (Prot). Solids not fat includes protein, lactose, and ash, and will run 8-10%. Protein will be in the range of 2-3%

7. % change in FCM -- Fat Corrected Milk

Fat corrected milk (FCM) is a computed figure to standardize production to 3.5% fat.

8. CMT -- California Mastitis Test

The results are reported as negative (N), trace (T), 1, 2, or 3. Three represents serious infection.

9. SCC -- Somatic Cell Count

Somatic cells are body cells including leucocytes, the cells which fight disease. Numbers below 200 represent low infection or no infection while high numbers represent infection or injury.

B. TEST PERIOD TOTALS

In this section the test day totals are multiplied by the number of days in the test period.

C. LACTATION TO DATE

Lactation to date is the cumulative total of milk and fat produced in this lactation. The number of days the cow was in milk are also shown.

D. EXT 305 DAYS

Factors have been developed which will extend a partial record to an estimated 305 day record. This is an actual record and is not corrected for age to mature equivalent (ME).

E. RELATIVE VALUE

These values show a relative milk and fat production deviation from the herd average on a mature equivalent basis. Also the cow's value is expressed on a per cent of herd average value for ease of evaluation.

F. The center section of the individual cow record gives some vital statistics which are fairly easy to interpret. Birth date, calving date, breeding records, and some management notes are useful in evaluating this animal.

G. The third section down gives lactation totals, lifetime production, and average production per year for all previous lactations. Each lactation is given a relative value compared to the herd average.

H. Calf Identification

I. The bottom section is for the permanent identification of the individual cow. There are also sections for type evaluation and pedigree evaluation of the individual and her sire and dam. Abbreviations are explained below:

1. CIM -- Cow index for milk as a plus or minus of the breed average.

2. CI% -- Cow index for percent butterfat.

3. CIF -- Cow index for pounds of fat.

4. CI\$ -- Cow index for the dollar value of her milk and fat compared to the breed average.

5. Rept -- Refers to repeatability or reliability of the data. As a cow has more records and offspring with production records the reliability of her pedigree data increases.
6. PCTILE -- The ranking of an individual bull or cow within the breed on a percentage basis. The number shows the percentage of bulls or cows that are below this animal as a breeding animal.



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This publication was prepared by H.P. Adams, Extension Dairy Specialist, Emeritus; Don Claypool, Extension Dairy Specialist and Alden Hilliker, Extension Specialist, 4-H - Youth.

TABLE 1 - INDIVIDUAL COW RECORD

TEST DAY DATA											TEST PERIOD TOTALS				LACTATION TO DATE				EXT. 305 DAYS		RELATIVE VALUE								
MO.	DAY	YR.	STRING PERM.	TEMP.	CAR	EST	SICKNESS DESCRIPTION	% SNF/PROT	POUNDS MILK DAILY	% FAT	POUNDS FAT DAILY	% CHANGE FCM	DAILY GRAIN	CMT	SOMATIC CELL COUNT	DAYS IN MILK	POUNDS MILK	POUNDS FAT	POUNDS SNF/PROT	DAYS IN MILK	POUNDS MILK	POUNDS FAT	POUNDS SNF/PROT	POUNDS MILK	POUNDS FAT	POUNDS ± OF MILK	POUNDS ± OF FAT	% OF HERD M.E.	
			A	I	AAA	234	A5	A	6			A7		A	8	A9	B												

DOLLAR VALUE BASED ON PER CWT X LB. FCM

AGE AT CALVING	BIRTH DATE	LACT. NO.	DAYS OPEN	CALF IDENTIFICATION	SEX	BREEDING RECORD										DIAG. PREG. OR OPEN	MANAGEMENT DATE	NOTE			
						365 DAY RECORD					* DAYS IN MILK AT FIRST BREEDING OR DAYS BETWEEN BREEDING										
MO.	DAY	YR.	DAYS	SIRE	USED	MO.	DAY	YR.	DAYS	SIRE	USED	MO.	DAY	YR.	DAYS	SIRE	USED				
					F					F											

PREVIOUS LACTATIONS																										
LAC. NO.	BRED	CALVING DATE MO. DAY YR.	CAR	AGE AT CALVING YR. MO.	305 DAYS ACTUAL PRODUCTION						COMPLETE LACTATION				305 DAY M.E.			RELATIVE VALUE		CALF		BODY WEIGHT CALF'S SIRE OR MISC.				
					DAYS DRY	DAYS OPEN	MILKED	POUNDS MILK	% FAT	POUNDS FAT	% SNF/PROT	POUNDS SNF/PROT	DAYS 3X	MILKED	POUNDS MILK	POUNDS FAT	POUNDS SNF/PROT	POUNDS MILK	POUNDS FAT	% OF HERD M.E.	± POUNDS MILK	± POUNDS FAT	IDENT. NO.	SEX		

LIFETIME PRODUCTION
 AVERAGE PROD. / YEAR

CHAIN NO.

LINEAR TYPE EVALUATION

STATURE	FOOT ANGLE
STRENGTH	FORE UDDER
BODY DEPTH	REAR UDDER - HEIGHT
DAIRY CHARACTER	REAR UDDER - WIDTH
RUMP ANGLE	LIGAMENT
RUMP - WIDTH	UDDER DEPTH
RUMP - LENGTH	TEAT LENGTH
REAR LEGS - SIDE	TEAT PLACEMENT

FINAL SCORE

COW

CIM 1
 CI % 2
 CIF 3
 CI \$ 4
 REPT. 5
 PCTILE 6

REGISTRATION OR USDA NO.
 COW NAME OR EAR TAG
 BREED

SIRE

REGISTRATION OR E.T.
 NAME OR NO.
 BREED

DAM

REGISTRATION OR E.T.
 NAME OR NO.
 BREED

INDIVIDUAL COW RECORD

PERM. STRING
 TEMP. STRING
 CHAIN NO.

Practice Dairy Records

The following four pages are actual record of cows. Note that none has a perfect record so you have to compare and weigh in your mind what factors are most important. Records are history so they may or may not predict the future of any one animal.

These records are identified by chain numbers 165, 184, 162, and 182. Note in the middle of the page on the left hand side the birth date is given. These animals were all born in 1978 and all are within a few months of the same age. Also each has three completed lactations, so they can be judged on a comparative basis.

Placings:

I place these records as follows: 165, 184, 162, and 182.

I place 165 first because she has the greatest lifetime milk and fat production. Also she has the greatest butterfat production on a 305-day lactation basis and is second in average 305-day milk production.

I grant that two of her lactations are very long indicating a breeding problem. She is producing at 125% of the herd average (% of herd ME) during the current lactation, and the relatively low somatic cell count indicates a sound, disease-free udder.

I place 184 second because of her greater lifetime milk and fat production. Also 184 calved regularly on a 13-month calving interval. Her somatic cell count is not high indicating fairly good udder health. In this present lactation she is producing at 108% of the herd mature equivalent average.

Cow 162 has been an erratic producer, resulting in less lifetime milk production. She is slightly below herd average production during the current lactation. High somatic cell counts indicate a problem with mastitis.

Cow 182 places last because of lower lifetime production. I grant she is producing above herd average during the current lactation and is likely to surpass 162 in production, but she has had an erratic calving interval. Somatic cell counts indicate her udder is sound.

MO.	DAY	YR.	STRONG		C	R	S	E	B	TEST PERIOD TOTALS										LACTATION TO DATE				EXT. 300 DAYS		RELATIVE VALUE				
			PERM	TEMP						% SFP/PT	POUNDS MILK DAILY	% FAT	POUNDS FAT DAILY	% CHANGE FOR	DAILY SFP	C	ROMATIC CELL COUNT	DAYS IN MILK	POUNDS MILK	POUNDS FAT	POUNDS SFP/PTOT	DAYS IN MILK	POUNDS MILK	POUNDS FAT	POUNDS SFP/PTOT	POUNDS MILK	POUNDS FAT	POUNDS 2 OF MILK	POUNDS 1 OF FAT	% OF HERD MILK
12	6	83	31	11						313	025	47	24	84	35	120	13	105	54	37	13	1053	54	37	23	624	954	4316	197	120
11	4	84	11	11						169	165	35	33	94	33	141	19	44	11	75	52	549	232	167	23	624	954	4316	197	120
10	3	84	11	11						169	165	35	33	94	33	141	19	44	11	75	52	549	232	167	23	624	954	4316	197	120
9	3	84	11	11						169	165	35	33	94	33	141	19	44	11	75	52	549	232	167	23	624	954	4316	197	120
8	3	84	11	11						169	165	35	33	94	33	141	19	44	11	75	52	549	232	167	23	624	954	4316	197	120
7	3	84	11	11						169	165	35	33	94	33	141	19	44	11	75	52	549	232	167	23	624	954	4316	197	120
6	3	84	11	11						169	165	35	33	94	33	141	19	44	11	75	52	549	232	167	23	624	954	4316	197	120
5	3	84	11	11						169	165	35	33	94	33	141	19	44	11	75	52	549	232	167	23	624	954	4316	197	120
4	3	84	11	11						169	165	35	33	94	33	141	19	44	11	75	52	549	232	167	23	624	954	4316	197	120
3	3	84	11	11						169	165	35	33	94	33	141	19	44	11	75	52	549	232	167	23	624	954	4316	197	120
2	3	84	11	11						169	165	35	33	94	33	141	19	44	11	75	52	549	232	167	23	624	954	4316	197	120
1	3	84	11	11						169	165	35	33	94	33	141	19	44	11	75	52	549	232	167	23	624	954	4316	197	120

AGE AT CALVING	BIRTH DATE	LACT. NO.	DAYS OPEN	CALF IDENTIFICATION	SEX	BREEDING RECORD	365 DAY RECORD	RELATIVE VALUE
05-02	09/16/78	3	100	555	F	05-03 101 29H3064	12-08 DUE TO CALVE	FCM
	11/24/83	91	208		H			

LAC. NO.	BREED	CALVING DATE	C	R	S	E	B	365 DAYS ACTUAL PRODUCTION				COMPLETE LACTATION				365 DAY M.E.				CALF IDENT. NO.	BODY WEIGHT CALF'S SIRE OR MISC.							
								DAYS	OPEN	MILKED	POUNDS MILK	% FAT	POUNDS FAT	% SFP/PTOT	POUNDS SFP/PTOT	DAYS	MILKED	POUNDS MILK	POUNDS FAT			POUNDS SFP/PTOT	DAYS	MILKED	POUNDS MILK	POUNDS FAT	POUNDS SFP/PTOT	
1	60	2/26/81	02	05	57	19	55	52	080	24	89	7	19	24	21	29	326	135	22	82	53	78	106	67	59	50	7H1103	555
2	50	8/10/82	03	08	91	26	03	05	23	70	8	74	3	3	21	29	368	105	62	32	83	31	98	6	5	5		
3	11	2/24/83	05	02	23	13	02	82	48	6	97	6	3	28	5	24	84	8	79	79	22	63	61	10	25	3		

92180024-20 OFFICIAL DHIR LIFE TIME PRODUCTION 1140 29770 3167 3983 4 0 5 0
AVERAGE PROD./YEAR 298 23118 976 1182260171018

CHAIN NO. 165	LINEAR TYPE EVALUATION				SIRE UKSENS 7/84 96	DAM URSULA H	INDIVIDUAL COW RECORD 6 165
	STATURE	FOOT ANGLE	REAR UDDER	REAR UDDER - HEIGHT			

MO.	DAY	YR.	STRONG		C	R	S	E	B	TEST PERIOD TOTALS										LACTATION TO DATE				EXT. 300 DAYS		RELATIVE VALUE					
			PERM	TEMP						% SFP/PT	POUNDS MILK DAILY	% FAT	POUNDS FAT DAILY	% CHANGE FOR	DAILY SFP	C	ROMATIC CELL COUNT	DAYS IN MILK	POUNDS MILK	POUNDS FAT	POUNDS SFP/PTOT	DAYS IN MILK	POUNDS MILK	POUNDS FAT	POUNDS SFP/PTOT	POUNDS MILK	POUNDS FAT	POUNDS 2 OF MILK	POUNDS 1 OF FAT	% OF HERD MILK	
9	2	83	11	11						279	85	33	16	70	23	250	21	14	69	52	48	21	1490	52	48	19	809	614	1545	99	93
8	2	83	11	11						285	85	33	16	70	23	250	21	14	69	52	48	21	1490	52	48	19	809	614	1545	99	93
7	2	83	11	11						285	85	33	16	70	23	250	21	14	69	52	48	21	1490	52	48	19	809	614	1545	99	93
6	2	83	11	11						285	85	33	16	70	23	250	21	14	69	52	48	21	1490	52	48	19	809	614	1545	99	93
5	2	83	11	11						285	85	33	16	70	23	250	21	14	69	52	48	21	1490	52	48	19	809	614	1545	99	93
4	2	83	11	11						285	85	33	16	70	23	250	21	14	69	52	48	21	1490	52	48	19	809	614	1545	99	93
3	2	83	11	11						285	85	33	16	70	23	250	21	14	69	52	48	21	1490	52	48	19	809	614	1545	99	93
2	2	83	11	11						285	85	33	16	70	23	250	21	14	69	52	48	21	1490	52	48	19	809	614	1545	99	93
1	2	83	11	11						285	85	33	16	70	23	250	21	14	69	52	48	21	1490	52	48	19	809	614	1545	99	93

AGE AT CALVING	BIRTH DATE	LACT. NO.	DAYS OPEN	CALF IDENTIFICATION	SEX	BREEDING RECORD	365 DAY RECORD	RELATIVE VALUE
04-09	12/05/78	3	213	541	F	04-03 23 17H800	01-08 40 29H3820	FCM
	09/03/83	64	177	1H343	H			

LAC. NO.	BREED	CALVING DATE	C	R	S	E	B	365 DAYS ACTUAL PRODUCTION				COMPLETE LACTATION				365 DAY M.E.				CALF IDENT. NO.	BODY WEIGHT CALF'S SIRE OR MISC.								
								DAYS	OPEN	MILKED	POUNDS MILK	% FAT	POUNDS FAT	% SFP/PTOT	POUNDS SFP/PTOT	DAYS	MILKED	POUNDS MILK	POUNDS FAT			POUNDS SFP/PTOT	DAYS	MILKED	POUNDS MILK	POUNDS FAT	POUNDS SFP/PTOT		
1	30	7/04/81	02	07	56	16	18	05	21	71	21	15	3	3	30	29	33	870	165	27	26	92	8	2	2	478	541	7H241	
2	10	8/27/82	03	08	84	9	63	05	2	68	5	7	1	3	31	24	35	698	72	22	7	08	9	7	7	541	1H343		
3	4	09/03/83	04	09	22	2	33	05	2	74	3	29	6	93	36	27	260	863	79	7	2	55	6	7	7				

92180024-20 OFFICIAL DHIR LIFE TIME PRODUCTION 1039 25828 2431 3172 3 2 4 2
AVERAGE PROD./YEAR 303 25070 734 98826651 827

CHAIN NO. 184	LINEAR TYPE EVALUATION				SIRE CONDUCTOR 7/84 89	DAM FAWN H	INDIVIDUAL COW RECORD 6 184
	STATURE	FOOT ANGLE	REAR UDDER	REAR UDDER - HEIGHT			

MO.	DAY	YR.	STRESS		C.I.	R.	S.	DISEASE DESCRIPTION	% SHIP/PT		% FAT		% CHG FCM	DAYS OPEN	C.I.	BOMATIC	TEST PERIOD TOTALS				LACTATION TO DATE				EXT 305 DAYS		RELATIVE VALUE						
			DAILY	PERIOD					DAILY	PERIOD	DAYS IN MILK	POUNDS MILK					POUNDS FAT	POUNDS SHIP/PROT	DAYS IN MILK	POUNDS MILK	POUNDS FAT	POUNDS SHIP/PROT	POUNDS MILK	POUNDS FAT	POUNDS MILK	POUNDS FAT	POUNDS OF MILK	POUNDS OF FAT	% OF HERD M.L.	% OF HERD M.F.			
3	3	84	27						31.0	8.95	3.27	5.55		27	1	072	40	3251	42	110	40	3251	142	110							FCM		
4	6	84	27						30.8	8.10	4.54	6.68		2-27	1	496	34	2895	23	89	74	6146	265	1991	8807	792	1017	19	95				
4	6	84	21						34.4	7.83	4.06	5.78		10-24	1	815	19	513	65	49	93	7659	330	2481	18994	809	639	37	97				
4	5	84	21						34.3	6.66	4.44	6.23		10-22	1	627	35	534	08	67	122	10193	438	3351	19061	819	632	38	97				
7	9	84	31						34.6	5.60	4.22	5.32		18-18	1	169	40	250	07	84	168	12643	545	477	88838	831	1083	29	95				
8	1	84	31						36.7	6.05	5.4	5.32		27-27	1	112	28	163	11	53	196	14274	625	477	88838	831	991	41	96				
9	1	84	31						38.9	4.89	5.1	5.29		23-18	1	123	35	196	12	72	231	16182	727	549	18933	858	380	69	98				
9	2	84	2						38.2	4.35	5.39	5.34		7-16	1	231	16	736	39	28	247	16918	766	577	18948	866	245	76	99				

AGE AT CALVING	BIRTH DATE	LACT. NO.	DAYS OPEN	CALF IDENTIFICATION	SEX	BREEDING RECORD	365 DAY RECORD	DAYS IN MILK AT FIRST BREEDING	DAYS BETWEEN BREEDING	DAID	MANAGEMENT	NOTE																					
						MO. DAY DAYS	MO. DAY DAYS	MO. DAY DAYS	MO. DAY DAYS																								
05-05	08/21/78	4	173	568	F	02-21	03-10	05-24	06-12	18	23H206	07-15	33	11H2132	08-10	PREG	02-20																

LACT. NO.	BREED	CALVING DATE	CALVING MO. DAY YR.	C.I.	R.	S.	AGE AT CALVING	305 DAYS ACTUAL PRODUCTION						COMPLETE LACTATION						305 DAY M.E.				RELATIVE VALUE		CALF IDENT. NO.	SEX	BODY WEIGHT CALV' SIRE OR MISC.
								DAYS OPEN	MILKED	POUNDS MILK	% FAT	POUNDS FAT	% SHIP/PROT	POUNDS SHIP/PROT	DAYS	MILKED	POUNDS MILK	% FAT	POUNDS FAT	% SHIP/PROT	POUNDS SHIP/PROT	POUNDS MILK	% FAT	POUNDS FAT	% SHIP/PROT			
2	1	10/05/81	02-04	50	65	28	81	662	855	715	35	1620	879	222	16628	879	1620	1092	1088	1930	347	350		F	11H126			
2	1	12/09/81	03-03	58	88	05	44	280	440	280	35	504	587	379	2488	719	508	1627	794	3738	764		F	15M120				
3	2	12/07/82	04-03	14	40	22	9	1417	445	659	33	465	229	14174	659	465	17729	815	3412	55+			H	495H				

92180024-20 OFFICIAL DMIR
LIFETIME PRODUCTION
AVERAGE PROD./YEAR
1071 62186 2257
274 15089 722 3168 4.9 5.1
86318368 894

CHAIN NO.	LINEAR TYPE EVALUATION	COW	SIRE	DAM	REGISTRATION OR E.T.	REGISTRATION OR E.T.	REGISTRATION OR E.T.	REGISTRATION OR E.T.	REGISTRATION OR E.T.
162	STATURE: FOOT ANGLE: FORE UDDER: BODY DEPTH: DAILY CHARACTER: RUMP ANGLE: RUMP WIDTH: RUMP LENGTH: REAR LEGS - SIDE: STRENGTH: REAR UDDER - HEIGHT: REAR UDDER - WIDTH: UDDER DEPTH: TEAT LENGTH: TEAT PLACEMENT: FINAL SCORE	CIM: 165 CI %: -17 CIF: 70 CIB: 52 REPT: PCTILE: 7/84 97	001583197 CONDUCTOR	00888313 CHARLENE	001583197 CONDUCTOR	008672958	008672958	008672958	008672958
		REGISTRATION OR E.T.: 001583197 NAME OR NO.: CONDUCTOR BREED: H	REGISTRATION OR E.T.: 001583197 NAME OR NO.: CONDUCTOR BREED: H	REGISTRATION OR E.T.: 00888313 NAME OR EAR TAG: CHARLENE BREED: H	REGISTRATION OR E.T.: 008672958 NAME OR NO.: 1332 BREED: H	REGISTRATION OR E.T.: 008672958 NAME OR NO.: 1332 BREED: H	REGISTRATION OR E.T.: 008672958 NAME OR NO.: 1332 BREED: H	REGISTRATION OR E.T.: 008672958 NAME OR NO.: 1332 BREED: H	REGISTRATION OR E.T.: 008672958 NAME OR NO.: 1332 BREED: H
		REGISTRATION OR E.T.: 001583197 NAME OR NO.: CONDUCTOR BREED: H	REGISTRATION OR E.T.: 001583197 NAME OR NO.: CONDUCTOR BREED: H	REGISTRATION OR E.T.: 00888313 NAME OR EAR TAG: CHARLENE BREED: H	REGISTRATION OR E.T.: 008672958 NAME OR NO.: 1332 BREED: H	REGISTRATION OR E.T.: 008672958 NAME OR NO.: 1332 BREED: H	REGISTRATION OR E.T.: 008672958 NAME OR NO.: 1332 BREED: H	REGISTRATION OR E.T.: 008672958 NAME OR NO.: 1332 BREED: H	REGISTRATION OR E.T.: 008672958 NAME OR NO.: 1332 BREED: H

MO.	DAY	YR.	STRESS		C.I.	R.	S.	DISEASE DESCRIPTION	% SHIP/PT		% FAT		% CHG FCM	DAYS OPEN	C.I.	BOMATIC	TEST PERIOD TOTALS				LACTATION TO DATE				EXT 305 DAYS		RELATIVE VALUE									
			DAILY	PERIOD					DAILY	PERIOD	DAYS IN MILK	POUNDS MILK					POUNDS FAT	POUNDS SHIP/PROT	DAYS IN MILK	POUNDS MILK	POUNDS FAT	POUNDS SHIP/PROT	POUNDS MILK	POUNDS FAT	POUNDS MILK	POUNDS FAT	POUNDS OF MILK	POUNDS OF FAT	% OF HERD M.L.	% OF HERD M.F.						
11	2	6	27						30.2	8.70	4.9	4.32		31	1	132	31	2373	30	80	31	2373	130	80												
12	2	6	27						31.1	8.58	4.5	4.16		17-25	1	24	34	3001	27	98	65	5374	257	178												
13	2	6	27						42.0	8.55	5.0	5.09		8-23	1	24	34	3001	27	98	65	5374	257	178												
14	2	6	27						42.0	8.55	5.0	5.09		8-23	1	24	34	3001	27	98	65	5374	257	178												
15	2	6	27						42.0	8.55	5.0	5.09		8-23	1	24	34	3001	27	98	65	5374	257	178												
16	2	6	27						42.0	8.55	5.0	5.09		8-23	1	24	34	3001	27	98	65	5374	257	178												
17	2	6	27						42.0	8.55	5.0	5.09		8-23	1	24	34	3001	27	98	65	5374	257	178												
18	2	6	27						42.0	8.55	5.0	5.09		8-23	1	24	34	3001	27	98	65	5374	257	178												
19	2	6	27						42.0	8.55	5.0	5.09		8-23	1	24	34	3001	27	98	65	5374	257	178												
20	2	6	27						42.0	8.55	5.0	5.09		8-23	1	24	34	3001	27	98	65	5374	257	178												

AGE AT CALVING	BIRTH DATE	LACT. NO.	DAYS OPEN	CALF IDENTIFICATION	SEX	BREEDING RECORD	365 DAY RECORD	DAYS IN MILK AT FIRST BREEDING	DAYS BETWEEN BREEDING	DAID	MANAGEMENT	NOTE																							
						MO. DAY DAYS	MO. DAY DAYS	MO. DAY DAYS	MO. DAY DAYS																										
04-10	11/22/78	3	156	545	F	12-01	01-01	02-12	03-12	27	7H401	03-07	70	23H206	04-13	PREG	02-12																		

LACT. NO.	BREED	CALVING DATE	CALVING MO. DAY YR.	C.I.	R.	S.	AGE AT CALVING	305 DAYS ACTUAL PRODUCTION						COMPLETE LACTATION						305 DAY M.E.				RELATIVE VALUE		CALF IDENT. NO.	SEX	BODY WEIGHT CALV' SIRE OR MISC.
								DAYS OPEN	MILKED	POUNDS MILK	% FAT	POUNDS FAT	% SHIP/PROT	POUNDS SHIP/PROT	DAYS	MILKED	POUNDS MILK	% FAT	POUNDS FAT	% SHIP/PROT	POUNDS SHIP/PROT	POUNDS MILK	% FAT	POUNDS FAT	% SHIP/PROT			
1	1	10/31/81	02-08	94	42	45	31	667	542	498	38	1033	243	10673	499	1051	15242	701	3408	29			F	7H801				
2	1	10/31/81	02-08	94	42	45	31	667	542	498	38	1033	243	10673	499	1051	15242	701	3408	29			F	7H801				
3	3	10/03/83	10-10	43	156	50	52	128	243	911	35	735	317	21845	941	757	22346	938	104+	157+			F	7H1379				

92180024-20 OFFICIAL DMIR
LIFETIME PRODUCTION
AVERAGE PROD./YEAR
1044 57203 2553
284 16624 733 2687 4.5 4.7
80819256 833

CHAIN NO.	LINEAR TYPE EVALUATION	COW	SIRE	DAM	REGISTRATION OR E.T.	REGISTRATION OR E.T.	REGISTRATION OR E.T.	REGISTRATION OR E.T.	REGISTRATION OR E.T.
182	STATURE: FOOT ANGLE: FORE UDDER: BODY DEPTH: DAILY CHARACTER: RUMP ANGLE: RUMP WIDTH: RUMP LENGTH: REAR LEGS - SIDE: STRENGTH: REAR UDDER - HEIGHT: REAR UDDER - WIDTH: UDDER DEPTH: TEAT LENGTH: TEAT PLACEMENT: FINAL SCORE	CIM: 182 CI %: -09 CIF: 8 CIB: 1 REPT: PCTILE: 7/84 74	001583197 CONDUCTOR	01005943 EDNA	001583197 CONDUCTOR	008959247	008959247	008959247	008959247
		REGISTRATION OR E.T.: 001583197 NAME OR NO.: CONDUCTOR BREED: H	REGISTRATION OR E.T.: 001583197 NAME OR NO.: CONDUCTOR BREED: H	REGISTRATION OR E.T.: 01005943 NAME OR EAR TAG: EDNA BREED: H	REGISTRATION OR E.T.: 008959247 NAME OR NO.: 1414 BREED: H	REGISTRATION OR E.T.: 008959247 NAME OR NO.: 1414 BREED: H	REGISTRATION OR E.T.: 008959247 NAME OR NO.: 1414 BREED: H	REGISTRATION OR E.T.: 008959247 NAME OR NO.: 1414 BREED: H	REGISTRATION OR E.T.: 008959247 NAME OR NO.: 1414 BREED: H
		REGISTRATION OR E.T.: 001583197 NAME OR NO.: CONDUCTOR BREED: H	REGISTRATION OR E.T.: 001583197 NAME OR NO.: CONDUCTOR BREED: H	REGISTRATION OR E.T.: 01005943 NAME OR EAR TAG: EDNA BREED: H	REGISTRATION OR E.T.: 008959247 NAME OR NO.: 1414 BREED: H	REGISTRATION OR E.T.: 008959247 NAME OR NO.: 1414 BREED: H	REGISTRATION OR E.T.: 008959247 NAME OR NO.: 1414 BREED: H	REGISTRATION OR E.T.: 008959247 NAME OR NO.: 1414 BREED: H	REGISTRATION OR E.T.: 008959247 NAME OR NO.: 1414 BREED: H