

2007 Iowa FFA Dairy Cattle Career Development Event

West Union, Iowa September 15, 2007

Mark the best answer in the proper blank on the Scantron sheet.

25 Objective Questions – 2 pts. each

- Which of the following hormones is not directly associated with reproduction?
a. Testosterone b. Adrenaline c. Estrogen d. Progesterone
- Which of these feeds is not a by-product of ethanol production?
a. Brewers grains b. Dry distillers grains
c. Condensed solubles d. All the above
- Acidosis typically affects which of a cow's four stomachs?
a. Rumen b. Reticulum c. Omasum d. Abomasum
- At what age do dairy cattle develop upper incisors?
a. Birth b. 3 days c. 3 months d. Never
- This substance forms in the tip of each teat when the cow is dry. It aids in sealing the teats to prevent infection of the udder.
a. Mucus b. Keratin c. Skin d. Opaque
- Washing the udder prior to milking stimulates the release of _____ which induces milk letdown.
a. Adrenaline b. Testosterone c. Oxytocin d. Estrogen
- The only part of a milking machine that touches the cow is the:
a. Pulsator b. Vacuum pump c. Inflation d. Milk line
- Which of the following is a source of non-protein nitrogen?
a. Linseed meal b. Corn grain c. Soybean meal d. Urea
- What is the name of milk sugar?
a. Dextrose b. Fructose c. Lactose d. Sucrose
- Reducing which portion of an alfalfa plant improves digestibility?
a. Protein b. Leaf c. Lignin d. Tannin
- What is a make allowance?
a. Number of cows coming into heat
b. Cost of turning milk into cheese
c. Lunge space for cows in free stall barns
d. Difference between somatic cell counts one month to the next

12. The primary criteria for deciding when a heifer should be bred is:
a. Service sire to be used b. Breed c. Body weight d. Age
13. The first milk secreted after calving is called _____.
a. Clostridia b. Coliform c. Collagen d. Colostrum
14. Which of the following feeds usually contains the most protein?
a. Alfalfa hay b. Corn silage c. Soybean oil meal d. Corn grain
15. This compartment of the ruminant stomach is called a “true” stomach and functions similarly to a monogastric’s stomach.
a. Rumen b. Reticulum c. Abomasum d. Omasum
16. Which vitamin is needed to stop bleeding and clot the blood?
a. B2 b. K c. D d. C
17. What is the term given to a heifer born twin to a bull?
a. Displaced abomasums b. Gomer c. Freemartin d. Metritis
18. What is the most common bacterium causing chronic mastitis?
a. Staphylococcus aureus b. E Coli c. Klebsiella d. Strep ulcers
19. What time of year is best to get cows bred?
a. Late spring b. Late summer c. Late fall d. Late winter
20. Which of the following represents the largest single cost associated with producing milk?
a. Veterinarians & drugs b. Feed c. Facilities d. Labor
21. Which of the following is an ovarian cyst?
a. Pituitary b. Viral c. Follicular d. Pancreatic
22. How many gallons of ethanol are being produced each year in the USA?
a. 2 billion b. 4 billion c. 5 billion d. 6 billion
23. Which of these is an essential fatty acid?
a. Proline b. Methionine c. Linoleic d. Lysine
24. Among breeds, gestations can vary by how many days?
a. 3 b. 5 c. 8 d. 10
25. Which of these will not increase the likelihood that a calf will be stillborn or dead at birth?
a. Twins b. Difficult calving c. Heifer calf d. Bull calf

35. What is the component value of a hundred weight of milk if the farm produces 225,000 pounds of milk with the following:

Components		Basis Milk Value
Butterfat	4.02%	2.416 per pound
Protein	3.15%	3.980 per pound
Solids	5.75%	.1291 per pound
SCC	150,000	.1915 per cwt

- a. \$23.18 b. \$24.21 c. \$25.62 d. \$26.17

Sire Evaluation Questions – 5 pts each

Refer to **Appendix B (May 2006 Active A I List)** to answer the following sire questions

36. Which sire has the most information?
 a. Four Winds Magicman b. Knapps Mr. America
 c. Aldens Valiant Royal d. Marfred Masterpiece
37. Which sire has the most genetic improvement expected for stature?
 a. Ripley Farms Saber Mic b. Trotacre Enhancer Lewis
 c. Idle Gold E Challenge d. Marfred Masterpiece
38. What value estimates the amount of an animal's genetic superiority or inferiority that is expected to be passed on to offspring?
 a. Net Merit b. PTI c. PTAT d. PTA
39. Using a bull that has a good proof for productive life will probably not improve which of these traits?
 a. Somatic cell score b. Milk production c. Udder composite
 d. Daughter pregnancy rate
40. If you were selecting for body depth and dairy form, which sire would you choose:
 a. Coulee Crest Luxury Skipper b. Marfred Masterpiece
 c. Lang Haven Luxury Neon d. Marfred Maxie

Pedigree Questions – 5 pts each

Refer to **Appendix C (Heifer pedigrees 1-2-3-4)** to answer the following pedigree questions.

41. Which pedigree has the most show ring winners?
 a. 4 b. 3 c. 2 d. 1
42. What is the name of the paternal grandsire of heifer #1?
 a. Ingleside Orbit Fenella b. Quincy Even Special
 c. GS Prophet Seattle Twin d. Ingleside Jetway Alik

43. Which two heifers are the closest in age?
a. 1 & 2 b. 1 & 3 c. 3 & 4 d. 2 & 4
44. Which heifer was an embryo transfer?
a. 4 b. 3 c. 2 d. 1
45. Which heifer would probably have the highest type score?
a. 4 b. 3 c. 2 d. 1

Pedigree Evaluation – 25 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.

HERD CODE AND TYPE OF RECORD	DATE TESTED
ST. CO. HERD NO.	MO. DAY YEAR
42 45 0087	8 16 07
DH1R-AP	

HERD SUMMARY DH1-202
 OAK KNOB GUERNSEYS
 3347 310TH AVE
 CRESCO IA 52000

BREEDING HERD	38
COWS WITH NO SERVICE DATES OR DIAG. OPEN	13
OPEN TO 100 DAYS	5
OPEN OVER 100 DAYS	13
NUMBER OF BREEDING HERD	3
NUMBER OF COWS	5
NUMBER OF HEIFERS	3
NUMBER OF CALVES	1
NUMBER OF HEIFERS	2
NUMBER OF CALVES	2
NUMBER OF HEIFERS	5
NUMBER OF CALVES	5
NUMBER OF HEIFERS	15
NUMBER OF CALVES	40
NUMBER OF HEIFERS	106

REPRODUCTIVE SUMMARY OF CURRENT BREEDING HERD

REPRODUCTIVE SUMMARY OF TOTAL HERD	38
REPRODUCTIVE SUMMARY OF TOTAL HERD	38
REPRODUCTIVE SUMMARY OF TOTAL HERD	38

REPRODUCTIVE SUMMARY OF TOTAL HERD

DESCRIPTION	DAILY AVERAGE PER COW ON TEST DAY	ROLLING YEARLY HERD AVERAGES
TOTAL COWS	114	112.6
COWS IN MILK	NUMBER 104 % 91	NUMBER 100.2 % 89
MILK LBS. FALL COWS	49.2	18 176
FAT LBS. FALL COWS	2.05	821
FAT PERCENT	4.2	4.5
PROTEIN LBS. FALL COWS	1.57	612
PROTEIN PERCENT	3.2	3.4
MILK LBS. (MILKING COWS)	53.9	
MILKING COWS	LBS. CONSUMED	% ME
SLURGE	LBS. CONSUMED	% ME
OTHER SUCCELUENTS OR BLENDED RATIONS	LBS. CONSUMED	% ME
DRY FORAGE	LBS. CONSUMED	% ME
OTHER FEEDS	LBS. CONSUMED	% ME
PASTURE	PASTURE (YES OR NO)	% ME
CONCENTRATES	LBS. CONSUMED	% ME
VALUE OF PRODUCT \$	13.13	11.98
COST OF CONCENTRATES \$		2.861
TOTAL		
FEED COST \$		
INCOME OVER FEED COST \$		
FEED COST PER CWT. MILK \$		
MILK BLEND PRICE	PER CWT 24.02	%FAT 3.9
		%PROT 15.39
		%FAT 4.2
		%PROT 1.4

BIRTH SUMMARY

DAWS	MALES	FEMALES	OFFSPRING BORN	CAVING DIFFICULTY SCORE
LACT NUM.	ALIVE	DEAD	ALIVE	DEAD
1	15	2	24	1
2+	37	7	29	3
TOTAL	52	9	53	4

COWS TO BE MILKING, DRY, CALVING, BY MONTH

MONTH	SEP	OCT	NOV	DEC	JAN	FEB
* MILKING	93	92	91	82	85	86
DRY	18	17	14	22	15	9
COWS TO CALVE	3	12	6	8	12	5
HEIFERS TO CALVE				1		

* ASSUMES 3.3% PER MONTH CULLING RATE.

YEARLY REPRODUCTIVE SUMMARY

DATE OF TEST	% HEATSTUCK OBS.	% PREG RATE	NUMBER SERVICES	NUMBER CONFINED PREG.	NUMBER CALVING	TOTAL PREGNANT COWS
9-08-06	80	12	6	34	5	16
10-08-06	75	24	13	37	6	12
11-08-06	60	21	12	28	3	5
12-08-06	65	42	27	36	7	19
1-09-07	71	25	15	24	5	16
2-16-07	72	28	15	29	21	17
3-30-07	64	32	16	37	6	6
5-09-07	70	31	14	39	17	4
7-11-07	64	32	19	37	10	5
8-16-07	48	21	38	38	16	21
	41		13		7	19
AVERAGES	63	27	15	32	10	12
TOTALS			318			50

REMARKS:

HERD INFORMATION	ASSOC.	SAMPLES	DRPC
SHIPPED - TEST DAY COMPARISON	445	REV. AT LAB	MAILED
DAY WTS. (LBS)	95	MO. DAY	MO. DAY
REPORTED AV. TANK WTS. (LBS)	5604	8 18	8 20
% DEVIATION	5178		
	5144		
	+8.2		+8.0

MILKING TIMES	WEEK	SP
1ST OR 2ND	10:00 PM	N
2ND	9:30 AM	Y
3RD		

HERDCODE	42-45-0087	DATE TESTED	8-16-07	BREED	G	STRING	
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STAGE OF LACTATION PROFILE

DATE OF TEST	DAYS TEST PERIOD	STAGE OF LACTATION (DAYS)				TOTAL ON AVERAGE
		1 THRU 20	21 THRU 40	41 THRU 60	61 THRU 99	
9-08-06	37	111	226	54.9	62.1	61.8
10-06-06	35	107	214	57.9	65.3	61.8
11-08-06	28	104	216	57.3	65.0	61.8
12-08-06	33	109	195	56.1	60.5	61.8
1-09-07	30	112	195	57.2	61.5	61.8
2-16-07	32	115	198	59.5	65.5	61.8
3-30-07	38	113	208	58.5	63.2	61.8
5-09-07	42	112	229	53.1	59.2	61.8
7-11-07	40	111	242	53.4	58.8	61.8
8-16-07	63	117	220	56.2	61.4	61.8
AVERAGES	36	114	211	53.9	58.0	61.8
AVERAGES	38	111	213	56.3	61.8	61.8

AGE GROUP	NUMBER ANIMALS	AVG. AGE	NUM. IDENTIFIED BY	NO. ANIMALS WITH MENT'S	AVERAGE MENT'S	HERD MENT'S OPTION	GENETIC PROFILE OF SERVICE SIRE
0-12	53	0-07	53	49	+27	NM	PROVEN AI SIRE
13+	52	1-08	52	47	+62		AI YOUNG SIRE
	105	1-01	105	96	+82		ALL OTHER SIRE
	41	2-05	39	41	+51		
	36	3-09	36	36	+80		
	37	6-03	36	36	+99		
	114	4-01	111	113	+78		
			97	99	+67		
			104	104	+89		
			3	3	+42		
			4	4	+67		

PRODUCTION BY LACTATION SUMMARY

AGE GROUP	NUMBER ANIMALS	AVG. AGE	AVG. MILK	AVG. FAT	AVG. PROT.	AVG. SCS
0-12	53	0-07	53	4.5	3.3	3.3
13+	52	1-08	52	4.5	3.3	3.3
	105	1-01	105	4.5	3.3	3.3
	41	2-05	39	4.4	3.3	3.3
	36	3-09	36	4.4	3.3	3.3
	37	6-03	36	4.4	3.3	3.3
	114	4-01	111	4.4	3.3	3.3
			97	4.4	3.3	3.3
			104	4.4	3.3	3.3
			3	4.4	3.3	3.3
			4	4.4	3.3	3.3

CURRENT SOMATIC CELL COUNT SUMMARY

HERD PRODUCTION	HERD PRODUCTION LOST FROM SCC THIS TEST PERIOD	MILK	% COWS SCC SCORE
7,300	1,753		

IDENTIFICATION AND GENETIC SUMMARY

HERD MENT'S OPTION	GENETIC PROFILE OF SERVICE SIRE
NM	PROVEN AI SIRE
	AI YOUNG SIRE
	ALL OTHER SIRE

DRY COW PROFILE

NUMBER OF COWS	AVG. AGE	PEAK MILK	NUMBER OF COWS ENTERED	NUMBER OF COWS LEFT	% LEFT HERD FOR INVOLUNTARY REASONS
41	29	66	44	39	38
36	45	83	3	3	
37	75	89	17	15	
114	49	77	47	42	

YEARLY SUMMARY OF COWS ENTERED AND LEFT THE HERD

YEAR	NUMBER ENTERED	NUMBER LEFT	REASONS FOR LEAVING
2006	17992	829	602
2007	17997	826	604
2008	17826	826	606
2009	17910	831	608
2010	17970	834	610
2011	18136	839	615
2012	18380	848	623
2013	18499	849	627
2014	18424	841	624
2015	18250	827	616
2016	18176	821	612

YEARLY PRODUCTION AND MASTITIS SUMMARY

DATE OF TEST	DAYS TEST PERIOD	NUMBER OF COWS IN TEST	TEST DAY AVERAGES			STANDARD DEVIATION	TEST PERIOD INDEX	TEST DAY AVERAGES			TEST PERIOD AV. MILK LBS. ADDED	TEST PERIOD AV. MILK LBS. DROPPED
			MILK	FAT	PROT.			MILK	FAT	PROT.		
9-08-06	37	111	226	54.9	62.1	98	49.9	4.2	3.3	17792	829	602
10-06-06	35	107	214	57.9	65.3	98	48.6	4.5	3.3	17997	826	604
11-08-06	28	104	216	57.3	65.0	99	47.2	4.6	3.5	17826	826	606
12-08-06	33	109	195	56.1	60.5	94	48.9	4.8	3.4	17910	831	608
1-09-07	30	112	195	57.2	61.5	101	52.6	4.6	3.4	17970	834	610
2-16-07	32	115	198	59.5	65.5	105	57.4	4.4	3.4	18136	839	615
3-30-07	38	113	208	58.5	63.2	94	53.9	4.7	3.5	18380	848	623
5-09-07	42	112	229	53.1	59.2	94	48.3	4.4	3.3	18499	849	627
7-11-07	40	111	242	53.4	58.8	98	46.7	4.6	3.3	18424	841	624
8-16-07	63	117	220	56.2	61.4	101	47.5	4.3	3.3	18250	827	616
AVERAGES	36	114	211	53.9	58.0	96	49.2	4.2	3.2	18176	821	612
AVERAGES	38	111	213	56.3	61.8	98	50.0	4.5	3.4	18176	821	612

May 2006 Active A.I. List

Appendix B

Production

Reg #	Code	Bull Name	#		REL	Milk	% Fat	% Prot	NMS	CMS	DPR	REL	SCC	REL	Yield Deviation					
			herds	dau											Milk	Fat	Prot	PTI		
604230	200GU00108	COULEE CREST LUXURY SKIPPER-ET	11	17	62	1393	-0.01	59	-0.04	38	364	357	-0.2	37	3.13	48	1478	67	43	210
604229	001GU00415	COULEE CREST LUXURY SPIDER-ET	25	40	74	1179	0.01	53	0.01	40	271	280	-1.1	42	3.09	58	1120	54	43	197
604259	014GU00292	RIPLEY FARMS R OAK ROYALTY-ET	37	56	79	1448	-0.06	53	-0.08	32	264	243	-2.6	43	2.89	62	1561	55	34	195
604451	076GU00803	MARFRED MASTERPIECE	16	21	62	1333	-0.06	48	-0.04	36	245	237	-1.0	31	3.03	45	1913	74	50	193
604313	007GU00385	PINE RIDGE SUPER LUX-ET	22	31	72	1258	0.00	56	-0.03	36	287	284	-0.3	40	3.11	54	1501	71	42	182
603947	001GU00413	LANG HAVEN LORRY DECISION	18	28	75	1052	0.05	56	-0.03	29	257	253	-0.1	44	3.02	59	1109	59	30	162
603872	007GU00379	MY DAY BLISS BANGER-ET	52	80	87	1186	-0.13	30	-0.04	31	199	190	-1.2	58	2.86	74	1302	31	34	154
603922	014GU00287	RIPLEY FARMS SABER MIC-ET	28	42	79	576	0.14	50	0.04	26	184	200	-0.4	46	3.14	62	622	57	30	151
604188	007GU00381	LANG HAVEN LUXURY NEON	24	39	75	1479	-0.15	39	-0.09	31	312	288	-0.6	39	3.10	58	1475	32	28	150
604268	001GU00418	IDLE GOLD E CHALLENGE-ET	12	23	68	620	0.05	36	0.05	28	364	381	-0.2	33	2.85	50	521	46	30	149
603342	007GU00366	TROTACRE ENHANCER LEWIS-ET	64	107	88	1036	-0.07	34	-0.05	24	256	243	0.0	60	2.99	76	1089	37	26	132
603468	001GU00500	RIPLEY FARMS ENHANCER REWARD-ET	28	56	80	1385	-0.17	30	-0.12	23	116	82	-1.8	49	3.01	66	1462	30	24	131
603229	007GU00357	MARODORE ENHANCER ROY-ET	73	135	91	1515	-0.29	14	-0.12	28	132	99	-1.1	64	3.13	79	1573	12	29	125
603635	054GU00440	MARFRED MAXIE ET	10	15	69	735	-0.03	27	0.00	23	190	192	-1.5	41	2.95	54	1039	38	33	124
603603	200GU00102	KNAPPS MR AMERICA-ET	19	35	73	860	-0.01	36	-0.07	15	205	185	0.0	45	2.90	58	1177	45	23	124
602961	007GU00343	ROZELYN PATMAR JAY GLACIER-ET	124	340	92	194	0.16	36	0.08	20	270	297	0.6	65	2.92	87	313	39	21	119
602750	029GU00944	TROTACRE JAY MR LUCK-ET	142	446	96	1291	-0.17	26	-0.02	39	225	226	-0.4	79	3.11	91	1175	21	37	101
604022	014GU00288	LUDLOW ACRES HS MILLENNIUM-ET	42	59	83	371	0.08	30	0.07	24	191	216	0.2	52	2.97	68	337	31	25	94
603721	200GU00104	LANTZ FARM SENTRY VISA	48	105	87	737	-0.11	13	-0.05	15	1	-12	-1.2	44	3.40	79	847	15	18	77
603966	200GU00106	ALDENS VALIANT ROYAL-ET	33	56	82	96	0.06	15	0.02	7	-21	-14	-2.1	47	3.03	66	138	18	10	73
603340	009GU00148	TROTACRE ENHANCER TYLER-ET	25	38	78	588	-0.10	9	-0.06	9	-36	-52	-1.7	48	3.35	63	569	1	9	65
604274	014GU00291	RIPLEY FARMS HOT SHOT BRYANT-ET	26	38	76	263	-0.03	7	0.04	16	227	242	0.7	46	2.70	61	70	1	11	59
602265	072GU00120	FOUR WINDS MAGICMAN-ET	257	741	96	189	0.07	3	0.04	0	-36	-25	-1.1	79	2.93	92	-134	6	1	39
601562	076GU00800	OLD HOMESTEAD DIVIDEND	119	271	93	529	-0.13	2	-0.08	4	25	3	-1.6	70	2.86	84	587	2	5	33

Type

Name	#	Appr RELPTATStat				Body Dairy		RumpThurl		Rear Foot		Fore	Rear	Rear	Udder		Teat	
		Strm	Depth	Form	Angle	Width	Leg	Angle	Attch	Hght	Wdth				Cleft	Depth	Place	Length
COULEE CREST LUXURY SKIPPER-ET	13	59	13	3.0	0.1	0.3	2.2	L1.0	0.6	P1.1	S0.1	0.9	2.9	1.7	0.2	S0.9	C1.5	-1.9
COULEE CREST LUXURY SPIDER-ET	24	67	10	4.4	1.4	1.8	2.8	L0.7	1.7	P0.1	L0.1	0.0	2.6	2.2	-0.2	D0.1	C0.8	-1.4
RIPLEY FARMS R OAK ROYALTY-ET	32	72	1.6	4.5	1.1	1.0	2.2	L2.7	1.2	S0.7	S0.3	1.4	1.8	1.4	0.4	S1.2	C1.4	0.5
MARFRED MASTERPIECE	18	61	1.5	4.4	2.2	2.7	3.1	L0.2	2.6	S0.9	S0.7	-0.4	2.3	2.7	1.7	D0.6	W0.2	0.1
PINE RIDGE SUPER LUX-ET	25	67	0.6	3.2	0.5	2.1	3.7	H1.3	1.0	P0.1	L0.3	-0.1	1.9	2.7	-0.2	D1.4	C1.1	-0.6
LANG HAVEN LORRY DECISION	20	68	0.4	1.5	2.1	2.5	1.2	L1.6	1.7	P0.7	L0.3	-0.5	1.6	2.2	-0.7	D1.5	W0.2	0.3
MY DAY BLISS BANGER-ET	76	86	1.5	2.3	2.6	3.0	0.6	L0.2	1.9	P0.9	L0.1	0.2	0.9	1.9	1.8	D0.5	C0.4	1.6
RIPLEY FARMS SABER MIC-ET	28	73	0.6	-0.8	0.4	1.5	1.0	L1.0	0.3	P0.4	L1.1	-1.2	0.6	1.3	0.7	D1.6	W0.5	-0.8
LANG HAVEN LUXURY NEON	29	72	0.8	2.1	-0.4	-0.2	2.0	H0.2	0.2	P1.3	S0.5	0.8	2.6	1.5	0.3	S1.0	C0.8	-1.5
IDLE GOLD E CHALLENGE-ET	20	64	1.2	-0.9	0.1	-0.1	0.9	L0.8	0.0	P0.9	S0.3	2.5	2.4	1.4	0.0	S1.7	C0.6	0.0
TROTACRE ENHANCER LEWIS-ET	65	85	1.0	-0.7	-1.1	-1.0	1.4	L0.4	-0.3	P0.5	S0.0	1.1	2.8	1.1	-0.4	S0.7	W0.8	-0.1
RIPLEY FARMS ENHANCER REWARD-ET	42	79	1.3	3.2	0.1	0.7	3.1	L1.6	0.4	S0.1	S0.3	-1.0	1.5	2.4	0.3	D1.0	C1.7	-0.2
MARODORE ENHANCER ROY-ET	98	88	1.6	-0.2	-0.3	-0.1	2.1	H0.1	0.3	P0.1	L0.2	0.4	2.3	2.5	0.3	D0.2	C0.1	-0.4
MARFRED MAXIE ET	20	70	1.2	2.6	0.4	1.0	1.9	L2.0	0.8	P0.0	S0.3	0.7	1.4	1.3	2.0	S1.2	C0.3	-0.7
KNAPPS MR AMERICA-ET	23	71	1.3	2.5	-0.1	-0.1	1.3	L1.7	-0.1	P0.4	S0.0	0.5	1.4	0.9	1.0	S1.1	C0.5	-0.4
ROZELYN PATMAR JAY GLACIER-ET	130	88	0.7	1.0	0.8	0.4	0.6	H1.5	0.7	P0.5	L0.2	0.6	0.8	1.5	0.4	S1.0	C1.1	-2.2
TROTACRE JAY MR LUCK-ET	175	92	-0.9	1.0	-0.4	0.1	2.0	H0.3	0.0	P2.6	L0.2	2.5	-0.9	0.9	-1.6	D3.0	C0.8	0.1
LUDLOW ACRES HS MILLENNIUM-ET	37	76	-0.2	1.5	0.2	0.8	2.4	H0.7	-0.4	P0.2	S0.2	-2.3	0.2	0.7	-0.5	D2.3	W1.1	-0.7
LANTZ FARM SENTRY VISA	84	71	0.9	3.4	0.7	0.5	2.0	L0.2	0.9	S0.1	S0.6	0.0	1.2	1.2	-0.2	S0.4	C0.9	1.3
ALDENS VALIANT ROYAL-ET	35	76	1.3	2.8	0.6	0.8	1.7	L2.8	1.0	S0.2	S0.2	-0.1	1.2	1.3	0.5	D0.2	C1.5	0.3
TROTACRE ENHANCER TYLER-ET	23	72	1.2	1.2	-0.4	-0.4	2.1	L0.4	0.5	P0.2	L0.1	0.4	2.9	2.2	0.4	S0.5	W0.3	-0.5
RIPLEY FARMS HOT SHOT BRYANT-ET	25	71	0.5	-0.1	0.0	-0.5	0.2	H2.1	-0.9	P0.0	S0.2	0.1	-0.4	-0.3	0.6	S0.8	C0.3	-0.7
FOUR WINDS MAGICMAN-ET	412	94	1.3	4.0	2.5	2.3	1.0	H0.2	2.8	S0.8	S0.8	1.7	0.8	0.1	-0.2	S1.6	W1.3	1.4
OLD HOMESTEAD DIVIDEND	163	90	0.8	2.2	0.1	0.7	1.1	L1.3	0.6	P0.1	S1.2	0.3	0.9	0.5	1.0	S0.9	C0.5	0.7

Active A.I. Average						
24 bulls	+872M	-0.04%	+32F	-0.02%	+24P	+0.9 PTAT
						+127 PTI



Heifer 1

INGLESIDE AKIVA FANTASY

Born: January 1, 2006
947690 ■ Tattoo Lt: S136
Parent Average: +277M +14F +8P +166NM\$

LOT 5 \$ _____

RANDY SCHEIDLER
CADOTT, WI

INGLESIDE SPECIAL AKIVA ET 196572
PARENT AVERAGE: PPR: +76 PTAT: +0.3
PARENT AVERAGE: +450M +29F +13P +168NM\$

QUINCY EVEN SPECIAL ET *TW *TM
"QUALIFIED SIRE" 191928
PPR: +91 94%R PTAT: +0.2 95%R (05/07)
PTA: +45M +21F +9P +278NM\$ 96%R (MACE)
INGLESIDE JETWAY ALIKI
2E-90 "CERT" 872477
05/07 365 2X 30,890 4.0 1,246 3.1 957
LIFETIME: 1,638D 114,490M 4,566F 3,674P

INGLESIDE SEATTLE FAUSTA 924848
03/01 '+82' +83 V85 V85 +81 +81
OPPR: +107 PTAT: -0.3
PTA: +463M +21F +17P +306NM\$ 95%\$
02/05 365 2X 19,570 4.5 873 3.4 664

GS PROPHET SEATTLE TWIN 190820
PPR: +35 94%R PTAT: -0.1 94%R (05/07)
PTA: -189M +4F -6P +191NM\$ 97%R (MACE)
INGLESIDE ORBIT FENELLA 898872
05/00 'VG-85' VG86 VG87 VG88 G78 VG86
PTA: +800M +18F +25P +272NM\$ 91%\$
02/04 351 2X 22,210 3.7 831 3.2 705
03/04 311 2X 21,770 3.8 822 3.4 748
04/05 308 2X 23,790 3.9 919 3.3 796
05/05 365 2X 27,360 3.6 986 3.5 950
LIFETIME: 1,533D 107,700M 4,084F 3,672P

3rd Dam:
INGLESIDE JANS FERNANDA
E-90 "CERT"
08/05 310 2X 20,940 4.6 956 3.9 819

4th Dam:
INGLESIDE NOBLE FEDORA
2E-90 "CERT"
04/11 360 2X 19,690 5.0 988 4.0 780

5th Dam:
INGLESIDE LUCKY FELDA
03/03 305 2X 14,640 3.7 541

LONE OAK PAYOFF PRICE

Born: May 23, 2006
949435 ■ Tattoo Lt: AJ10
Parent Average: +626M +14F +17P +135NM\$

Heifer 2

LOT 6 \$ _____

ADAM SPIERINGS
WEYAUWEGA, WI

TRIANGLE ACRES PO PAYOFF ET*TM 193627
"SUPERIOR SIRE"
PPR: +136 86%R PTAT: +0.6 81%R (05/07)
PTA: +1070M +27F +39P +223NM\$ 91%R (MACE)
156 DAU AVG 23,246 3.9 915 3.3 770
41 CLASS DAU AVG FS:83.1 MS:81.6

BETTA VUE EMORY PRELUDE-ET
E-91 187668
PPR: +4 99%R PTAT: +0.3 99%R (05/07)
PTA: +442M -4F +12P -103NM\$ 99%R (MACE)
TRIANGLE ACRES COLL POLLY
E-92 "CERT" 847907
PTA: +1645M +57F +60P +431NM\$ 99%\$
02/02 365 2X 25,770 4.2 1,085 3.6 939
05/03 365 2X 40,070 4.7 1,866 3.5 1,388
LIFETIME: 1,645D 133,300M 5,944F 5,016P

LONE OAK COGNAC PEWNEY 929464
05/03 'VG-85' VG88 VG87 VG86 VG85 +83
PPR: +0 PTAT: -0.2
PTA: +182M +1F -6P +47NM\$ 42%\$
03/09 351 2X 23,300 4.9 1,149 3.1 712

ELM PARK KIESHAVN COGNAC-ET 193672
PPR: +13 79%R PTAT: +0.0 62%R (05/07)
PTA: +388M +12F +0P +23NM\$ 87%R (MACE)
LONE OAK PADDY PAIGE 884054
04/09 'VG-86' VG85 VG87 VG86 VG85
PTA: +103M -5F -7P +50NM\$ 43%\$
03/04 282 2X 13,920 3.5 486 3.2 449
04/04 288 2X 13,830 3.9 541 3.1 427

3rd Dam:
LONE OAK PETE ROSE RENA
VG-87 "CERT"
06/01 365 2X 26,320 4.0 1,053 3.2 847

4th Dam:
LONE OAK CRAFTY CAREN
VG-88 "CERT"
09/06 284 2X 21,940 4.4 960 3.2 706

5th Dam:
LONE OAK DAZZLIN DONNA
+84 "CERT"
05/10 305 2X 18,160 3.8 684 3.6 661

HILLPOINT VB ZEUS BOMBAY

Born: March 24, 2006
953815 ■ Tattoo Lt: V712
PARENT AVERAGE: -332M -5F -7P -1NM\$

Heifer 3

LOT 7 \$ _____

VOEGELI FARM, INC &
HILLPOINT
MONTICELLO, WI

RED BRAE PRELUDE ZEUS (M*) 193849
PPR: +110 87%R PTAT: +1.2 87%R (05/07)
PTA: -105M +12F +14P +246NM\$ 91%R
107 DAU AVG 21968 4.1 902 3.3 730
56 CLASS DAU AVG FS:85.8 MS:85.9

BETTA VUE EMORY PRELUDE-ET
E-91 187668
PPR: +4 99%R PTAT: +0.3 99%R (05/07)
PTA: +442M -4F +12P -103NM\$ 99%R (MACE)

RED BRAE PATRICK ZADEVA
E-92 "SUP" 838249
PTA: +324M +35F +22P +367NM\$ 98%\$
02/02 351 2X 17,970 4.3 768 3.9 698
03/02 332 2X 21,420 4.3 929 3.7 800
04/03 365 2X 23,960 5.5 1,323 3.7 875
05/04 365 2X 27,940 4.9 1,372 3.7 1,033
All American '97 - '96
1st & 2nd BU Jr 3 Yr Old Central National 1997
1st & 2nd BU Jr 2 Yr Old Central National 1996
1st & 1st BU Jr 2 Yr Old WI State Show & Fair 1996

TIERRA VERDE BC BOMBAY 918652
02/05 'VG-85' +83 VG85 +80 VG86 VG86
02/02 310 2X 18,190 3.9 701 3.1 565
03/05 100 2X 6,010 3.7 224 2.7 163

ROLLING VIEW JET COLBY ET (M*) 190480
PPR: +9 91%R PTAT: +0.2 89%R (05/07)
PTA: +885M +24F +14P -128NM\$ 95%R (MACE)
COPE JUBIL BABIE 879890
05/10 '2E-90' VG88 2E91 VG88 VG88 2E91
02/11 310 2X 21,210 4.1 869 3.3 703
04/10 305 2X 21,510 4.0 861 3.2 685
06/09 305 2X 21,290 3.4 723 3.0 642
07/11 365 2X 25,540 3.8 973 3.0 773
LIFETIME: 2,194D 145,110M 5,739F 4,629P

3rd Dam:
TIERRA VERDE PTK BETSY
4th Dam:
TIERRA VERDE L BETTY
VG-85
04/09 287 2X 15,260 4.1 623 3.8 585
5th Dam:
VALLEYLAND SOVEREIGN CHLOE

ARTHURST SR DLBO SUGAR-ET

Born: March 6, 2007
955294 ■ Tattoo Lt: 240
Parent Average: +237M -11F -3P +38NM\$

Heifer 4

LOT 8 \$ _____

DUANE & JEANNE MEIER
MONTICELLO, WI

HILLTOP ACRES E DRAMATIC ET*TM 197135
PARENT AVERAGE: PPR: +139 PTAT: +0.5
PARENT AVERAGE: +430M +43F +36P +227NM\$

R HART PROTEIN EXCITE-ET
+83 191914
PPR: +114 91%R PTAT: -0.1 88%R (05/07)
PTA: +186M +25F +21P +295NM\$ 95%R (MACE)
HILLTOP ACRES G DESTINY-ET 890270

05/10 '2E-90' 2E91 2E90 2E91 E90 2E90
PTA: +673M +60F +51P +158NM\$ 71%\$
02/07 365 3X 38,570 5.3 2,057 3.7 1,419
04/11 365 3X 35,690 4.5 1,604 3.8 1,366
06/01 331 3X 27,290 4.8 1,318 3.8 1,039
LIFETIME: 1,139D 106,520M 5,393F 4,036P

ARTHURST RHYTHM SANDI 865605
10/02 '3E-91' 3E92 3E90 3E93 3E91 3E905
02/06 365 2X 14,180 3.4 486 3.0 429
03/08 365 2X 21,100 3.6 764 3.0 637
05/08 365 2X 27,200 3.3 886 2.8 772
Nom All American Sr 3 Yr Old '00
Res Jr Champ Mn State Show & Fair '97
2nd 5 Yr Old Mn State Show '02
1st Sr 3 Yr Old Mn State Fair '00
1st Fall Yrlg Hfr Mn State Show & Fair '98
1st Fall Hfr Calif Mn State Show & Fair '97

FOREST LAWN PAT JOYTAKER-ET
E-91 187439
PPR: -72 93%R PTAT: +0.1 94%R (05/07)
PTA: -427M -8F -16P -154NM\$ 95%R (MACE)
ARTHURST EMORY SONYA 818664
15/01 '5E-91' 5E91 5E90 5E91 5E91 5E92
03/07 365 2X 28,160 3.8 1,057 3.1 887
04/10 365 2X 29,940 3.9 1,153 3.4 1,009
06/05 365 2X 31,880 3.4 1,096 3.1 995
09/08 365 2X 25,170 3.3 839 2.9 720
LIFETIME: 2,617D 181,350M 6,740F 5,970P
Nom All American Sr 2 Yr Old '94
Res Grand Champ Mn State Fair '95

3rd Dam:
ROUND BARN SHIEK SHARON
3E-90 "CERT"
08/01 365 2X 25,410 3.5 898 3.4 872
4th Dam:
ROUND BARN ELITE EVA
VG-88
07/00 326 2X 19,540 3.6 700 3.4 662
5th Dam:
ROUND BARN DAPPER ELITE
VG-87
11/11 365 2X 18,930 3.7 705 3.4 642

Sample Problem #1 Sire Evaluation

Use the data provided on the cow VIVA to select the appropriate sire. The scenario is to select a bull to improve the Bf and protein (ie. Components of milk) as well as improving the udder of the cow named VIVA.

Use the data given on the cow (**DHI-103**) and the **appraisal report** (linear scores). Use the following four sires:

- #1 Coulee Crest Luxury Spider ET
- #2 Idle Gold E Challenge ET
- #3 Ripley Farms Enhancer Reward ET
- #4 Mavodore Enhancer Roy ET

Place the class with the best sire in first place and the poorest sire in fourth.

Sample Problem #2 Culling Class

Place this class 1 2 3 4 based on the following data and scenario.

The farmer wants to produce large volumes of high quality milk.

Use the **DHI-220** report to find the data from the following cows.

- #1 Breeze
- #2 Clara
- #3 Dream
- #4 Flame

Place the cow you would cull first in the number 1 spot and the cow you would cull last in the number 4 spot.

May 2006 Active A.I. List

Sample
Problem
#1

Production

Reg #	Code	Bull Name	#		REL	Milk	% Fat	% Prot	NMS	CMS	DPR	REL	Yield Deviation							
			herds	dau									SCC	Milk	Fat	Prot	PTI			
604230	200GU00108	COULEE CREST LUXURY SKIPPER-ET	11	17	62	1393	-0.01	59	-0.04	38	364	357	-0.2	37	3.13	48	1478	67	43	210
604229	001GU00415	COULEE CREST LUXURY SPIDER-ET	25	40	74	1179	0.01	53	0.01	40	271	280	-1.1	42	3.09	58	1120	54	43	197
604259	014GU00292	RIPLEY FARMS R OAK ROYALTY-ET	37	56	79	1448	-0.06	53	-0.08	32	264	243	-2.6	43	2.89	62	1561	55	34	195
604451	076GU00803	MARFRED MASTERPIECE	16	21	62	1333	-0.06	48	-0.04	36	245	237	-1.0	31	3.03	45	1913	74	50	193
604313	007GU00385	PINE RIDGE SUPER LUX-ET	22	31	72	1258	0.00	56	-0.03	36	287	284	-0.3	40	3.11	54	1501	71	42	182
603947	001GU00413	LANG HAVEN LORRY DECISION	18	28	75	1052	0.05	56	-0.03	29	257	253	-0.1	44	3.02	59	1109	59	30	162
603872	007GU00379	MY DAY BLISS BANGER-ET	52	80	87	1186	-0.13	30	-0.04	31	199	190	-1.2	58	2.86	74	1302	31	34	154
603922	014GU00287	RIPLEY FARMS SABER MIC-ET	28	42	79	576	0.14	50	0.04	26	184	200	-0.4	46	3.14	62	622	57	30	151
604188	007GU00381	LANG HAVEN LUXURY NEON	24	39	75	1479	-0.15	39	-0.09	31	312	288	-0.6	39	3.10	58	1475	32	28	150
604268	001GU00418	IDLE GOLD E CHALLENGE-ET	12	23	68	620	0.05	36	0.05	28	364	381	-0.2	33	2.85	50	521	46	30	149
603342	007GU00366	TROTACRE ENHANCER LEWIS-ET	64	107	88	1036	-0.07	34	-0.05	24	256	243	0.0	60	2.99	76	1089	37	26	132
603468	001GU00500	RIPLEY FARMS ENHANCER REWARD-ET	28	56	80	1385	-0.17	30	-0.12	23	116	82	-1.8	49	3.01	66	1462	30	24	131
603229	007GU00357	MARODORE ENHANCER ROY-ET	73	135	91	1515	-0.29	14	-0.12	28	132	99	-1.1	64	3.13	79	1573	12	29	125
603635	054GU00440	MARFRED MAXIE ET	10	15	69	735	-0.03	27	0.00	23	190	192	-1.5	41	2.95	54	1039	38	33	124
603603	200GU00102	KNAPPS MR AMERICA-ET	19	35	73	860	-0.01	36	-0.07	15	205	185	0.0	45	2.90	58	1177	45	23	124
602961	007GU00343	ROZELYN PATMAR JAY GLACIER-ET	124	340	92	194	0.16	36	0.08	20	270	297	0.6	65	2.92	87	313	39	21	119
602750	029GU00944	TROTACRE JAY MR LUCK-ET	142	446	96	1291	-0.17	26	-0.02	39	225	226	-0.4	79	3.11	91	1175	21	37	101
604022	014GU00288	LUDLOW ACRES HS MILLENNIUM-ET	42	59	83	371	0.08	30	0.07	24	191	216	0.2	52	2.97	68	337	31	25	94
603721	200GU00104	LANTZ FARM SENTRY VISA	48	105	87	737	-0.11	13	-0.05	15	1	-12	-1.2	44	3.40	79	847	15	18	77
603966	200GU00106	ALDENS VALIANT ROYAL-ET	33	56	82	96	0.06	15	0.02	7	-21	-14	-2.1	47	3.03	66	138	18	10	73
603340	009GU00148	TROTACRE ENHANCER TYLER-ET	25	38	78	588	-0.10	9	-0.06	9	-36	-52	-1.7	48	3.35	63	569	1	9	65
604274	014GU00291	RIPLEY FARMS HOT SHOT BRYANT-ET	26	38	76	263	-0.03	7	0.04	16	227	242	0.7	46	2.70	61	70	1	11	59
602265	072GU00120	FOUR WINDS MAGICMAN-ET	257	741	96	189	0.07	3	0.04	0	-36	-25	-1.1	79	2.93	92	-134	6	1	39
601562	076GU00800	OLD HOMESTEAD DIVIDEND	119	271	93	529	-0.13	2	-0.08	4	25	3	-1.6	70	2.86	84	587	2	5	33

Type

Name	#	Appr RELPTATStat				Body Dairy		RumpThurl		Rear Foot		Fore	Rear	Rear	Udder		Teat	
		Strm	Depth	Form	Angle	Width	Leg	Angle	Attch	Hght	Width				Cleft	Depth	Place	Length
COULEE CREST LUXURY SKIPPER-ET	13	59	13	3.0	0.1	0.3	2.2	L10	0.6	P1.1	S0.1	0.9	2.9	1.7	0.2	S0.9	C1.5	-1.9
COULEE CREST LUXURY SPIDER-ET	24	67	10	4.4	1.4	1.8	2.8	L0.7	1.7	P0.1	L0.1	0.0	2.6	2.2	-0.2	D0.1	C0.8	-1.4
RIPLEY FARMS R OAK ROYALTY-ET	32	72	1.6	4.5	1.1	1.0	2.2	L2.7	1.2	S0.7	S0.3	1.4	1.8	1.4	0.4	S1.2	C1.4	0.5
MARFRED MASTERPIECE	18	61	1.5	4.4	2.2	2.7	3.1	L0.2	2.6	S0.9	S0.7	-0.4	2.3	2.7	1.7	D0.6	W0.2	0.1
PINE RIDGE SUPER LUX-ET	25	67	0.6	3.2	0.5	2.1	3.7	H1.3	1.0	P0.1	L0.3	-0.1	1.9	2.7	-0.2	D1.4	C1.1	-0.6
LANG HAVEN LORRY DECISION	20	68	0.4	1.5	2.1	2.5	1.2	L1.6	1.7	P0.7	L0.3	-0.5	1.6	2.2	-0.7	D1.5	W0.2	0.3
MY DAY BLISS BANGER-ET	76	86	1.5	2.3	2.6	3.0	0.6	L0.2	1.9	P0.9	L0.1	0.2	0.9	1.9	1.8	D0.5	C0.4	1.6
RIPLEY FARMS SABER MIC-ET	28	73	0.6	-0.8	0.4	1.5	1.0	L1.0	0.3	P0.4	L1.1	-1.2	0.6	1.3	0.7	D1.6	W0.5	-0.8
LANG HAVEN LUXURY NEON	29	72	0.8	2.1	-0.4	-0.2	2.0	H0.2	0.2	P1.3	S0.5	0.8	2.6	1.5	0.3	S1.0	C0.8	-1.5
IDLE GOLD E CHALLENGE-ET	20	64	1.2	-0.9	0.1	-0.1	0.9	L0.8	0.0	P0.9	S0.3	2.5	2.4	1.4	0.0	S1.7	C0.6	0.0
TROTACRE ENHANCER LEWIS-ET	65	85	1.0	-0.7	-1.1	-1.0	1.4	L0.4	-0.3	P0.5	S0.0	1.1	2.8	1.1	-0.4	S0.7	W0.8	-0.1
RIPLEY FARMS ENHANCER REWARD-ET	42	79	1.3	3.2	0.1	0.7	3.1	L1.6	0.4	S0.1	S0.3	-1.0	1.5	2.4	0.3	D1.0	C1.7	-0.2
MARODORE ENHANCER ROY-ET	98	88	1.6	-0.2	-0.3	-0.1	2.1	H0.1	0.3	P0.1	L0.2	0.4	2.3	2.5	0.3	D0.2	C0.1	-0.4
MARFRED MAXIE-ET	20	70	1.2	2.6	0.4	1.0	1.9	L2.0	0.8	P0.0	S0.3	0.7	1.4	1.3	2.0	S1.2	C0.3	-0.7
KNAPPS MR AMERICA-ET	23	71	1.3	2.5	-0.1	-0.1	1.3	L1.7	-0.1	P0.4	S0.0	0.5	1.4	0.9	1.0	S1.1	C0.5	-0.4
ROZELYN PATMAR JAY GLACIER-ET	130	88	0.7	1.0	0.8	0.4	0.6	H1.5	0.7	P0.5	L0.2	0.6	0.8	1.5	0.4	S1.0	C1.1	-2.2
TROTACRE JAY MR LUCK-ET	175	92	-0.9	1.0	-0.4	0.1	2.0	H0.3	0.0	P2.6	L0.2	2.5	-0.9	0.9	-1.6	D3.0	C0.8	0.1
LUDLOW ACRES HS MILLENNIUM-ET	37	76	-0.2	1.5	0.2	0.8	2.4	H0.7	-0.4	P0.2	S0.2	-2.3	0.2	0.7	-0.5	D2.3	W1.1	-0.7
LANTZ FARM SENTRY VISA	84	71	0.9	3.4	0.7	0.5	2.0	L0.2	0.9	S0.1	S0.6	0.0	1.2	1.2	-0.2	S0.4	C0.9	1.3
ALDENS VALIANT ROYAL-ET	35	76	1.3	2.8	0.6	0.8	1.7	L2.8	1.0	S0.2	S0.2	-0.1	1.2	1.3	0.5	D0.2	C1.5	0.3
TROTACRE ENHANCER TYLER-ET	23	72	1.2	1.2	-0.4	-0.4	2.1	L0.4	0.5	P0.2	L0.1	0.4	2.9	2.2	0.4	S0.5	W0.3	-0.5
RIPLEY FARMS HOT SHOT BRYANT-ET	25	71	0.5	-0.1	0.0	-0.5	0.2	H2.1	-0.9	P0.0	S0.2	0.1	-0.4	-0.3	0.6	S0.8	C0.3	-0.7
FOUR WINDS MAGICMAN-ET	412	94	1.3	4.0	2.5	2.3	1.0	H0.2	2.8	S0.8	S0.8	1.7	0.8	0.1	-0.2	S1.6	W1.3	1.4
OLD HOMESTEAD DIVIDEND	163	90	0.8	2.2	0.1	0.7	1.1	L1.3	0.6	P0.1	S1.2	0.3	0.9	0.5	1.0	S0.9	C0.5	0.7

Active A.I. Average

24 bulls +872M -0.04% +32F -0.02% +24P +0.9 PTAT +127 PTI

Sample Problem #1

Herdcodes Listed
 42-45-0087 8-20-07
 OAK KNOB GUERNSEYS

COW PAGE DH1-103

1/95

Identification	Breed	Index Number	Birth date	Body wt.
VIVA	G	914	1-05-00	1020
3066892				

Sample Day Date	Lact No.	Fresh Date	8-23-06			
DIM 17	45	78	108	140	178	220
Milk 60	74	68	68	66	56	49
Fat% 4.5	2.8	3.8	3.6	3.9	3.5	3.8
Prot% 2.9	2.8	2.7	2.9	2.8	3.0	2.9
SCC 57	38	41	35	76	66	115
					174	283

Sire Name		Identification		Breed	NAAB Code
HILDALE P KING-ET				G	
% Rel 79	+485	Fat % -.07	Fat +9	Prot% -.06	Prot +8
					Merk \$ +201
					Rank 65

Dam		Barn Name		PTA: Predicted Transmitting Ability	
3045093	G	VISION		ERRA: Estimated Relative Producing Ability	
% Rel 54	-523	Fat % -.18	Fat -52	Prot% -.07	Prot -28
					Merk \$ -482
					Rank --

Maternal Grand sire Name		Identification		Breed	NAAB Code
LAESCHLAND NPK BREIGHTON-ET				G	7G297
% Rel 97	+671	Fat % -.22	Fat -8	Prot% -.13	Prot +5
					Merk \$ -392
					Rank --

Lact No.	Test Plan	Freshening Date	Age	Days	No. Open	Days Serv	Milk	305 Day Actual			3X Days	Complete Lactation			305-2X-ME			Diff From HerdMates								
								Fat %	Prot %	Prot		Fat	Prot	Prot	Fat	Prot	Milk	Fat	Prot							
1	21	6-23-02	2-05	51	101	3	18620	3.9	722	3.1	582	339	20405	3.9	805	3.1	638	21413	823	675	+1964	-27	+34			
2	21	7-18-03	3-06	51	57	3						299	18688	3.6	668	3.1	572	21043	739	633	+4054	-43	+72			
3	23	6-29-04	4-05	48	72	1						301	18156	3.3	594	3.1	566	18918	622	590	+2660	-116	+33			
4	23	6-27-05	5-05	62	130	2	19406	3.6	704	2.9	565	364	21273	3.7	782	3.0	629	19988	739	593	+2386	-63	+22			
5	23	8-23-06	6-07	58	318	3	17535	3.7	645	2.9	508	349	18958	3.7	703	2.9	551	19464	710	559	+197	-134	-64			
LIFETIME				5	Reproductive Efficiency		91	Average Milk/day			47.8	TOTALS			1652	97480	3.6	3552	3.0	2956	20165	727	610	+2252	-77	+19

LEFT HERD 8-06-07
 CAR 4: SOLD - REPRO. PROBLEMS
 4 TIMES BRED

LAST BRED 7-07-07 TO HUSTLER G
 PREV BRED 6-16-07 TO SLUX G
 PREV BRED 2-20-07 TO CHALLENGE G

PREV BRED 1-31-07 TO SAMPSON G

Barn Name	VIVA	Index Number	914	Identification	3066892	VIVA
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Sample Problem #1

151433 CHURCH CRAIG J & NATHAN J
 3347 310TH AVE
 CRESCO IA 52136
 Appraisal Report - 42450087

2006-11-16

Reg. #	Name	ST	SR	BD	DF	RA	TW	RL	RV	FA	FU	RH	RW	UC	UD	TP	TL	F&L	MS	FS
000003063736	OAK KNOB P KING DEANNA	17	19	19	45	16	29	31	30	27	15	24	30	19	12	17	33	82	82	83
000003066682	OAK KNOB P KING VIVA	42	36	39	31	21	31	26	20	34	17	15	32	23	9	27	47	82	77	82
000003070376	OAK KNOB LUXURY GOTCHA	19	17	31	29	26	9	5	18	24	17	31	37	15	16	21	22	76	77	78
000003073678	OAK KNOB NUT LAVISH	25	31	32	34	29	22	19	33	19	42	36	38	25	23	27	22	87	90	90
000003073684	OAK KNOB LIBERTY BELLE	35	33	31	38	34	22	28	21	34	19	27	34	25	16	17	22	87	82	85
000003073685	OAK KNOB DOM ADDIE	35	29	26	36	36	34	29	28	21	24	32	34	36	14	14	37	83	83	83
000003073763	OAK KNOB SABER C CAKE	31	19	33	44	34	24	27	19	13	18	26	34	19	14	18	39	78	82	84
000003073775	OAK KNOB DOM OPTIC	13	16	8	28	47	21	42	18	7	27	32	20	21	20	29	27	66	80	73
000003074906	OAK KNOB MILL FLORA	35	12	23	33	19	15	43	12	5	21	24	22	16	28	19	26	60	80	70
000003077124	OAK KNOB OPTION ADORE	34	24	24	33	18	18	26	41	20	34	33	32	27	32	38	37	84	86	86
000003079775	OAK KNOB KIX KARI	32	24	27	21	29	8	40	19	22	19	13	15	25	18	17	35	76	76	77
000003079776	OAK KNOB SALUTE GERMAIN	9	19	21	17	18	16	25	27	33	11	4	17	1	10	6	21	87	61	67
000003079777	OAK KNOB GUESS	39	41	30	27	18	34	34	16	8	21	27	17	19	18	13	39	76	81	81
000003079783	OAK KNOB KIX LABEL	32	29	25	19	27	33	21	3	24	24	27	20	25	21	29	31	70	79	76
000003079785	OAK KNOB KIX VINTAGE	50	21	18	28	37	27	18	23	28	7	26	19	19	14	16	31	87	74	77
000003079787	OAK KNOB SNEE GRAVY	11	27	26	9	29	17	26	21	18	28	12	14	30	18	32	28	87	74	76
000003079789	OAK KNOB LORRY HELLO	26	31	34	41	11	30	27	26	32	21	33	39	31	19	17	29	83	85	85
000003079793	OAK KNOB REGIS DISCO	32	23	25	35	35	37	28	39	32	32	36	42	13	19	11	29	88	75	79
000003079794	OAK KNOB KIX HENNA	31	36	19	17	21	27	34	31	11	32	14	19	8	16	1	24	76	60	66
000003079798	OAK KNOB KIX B ICE	27	30	17	28	18	29	31	23	33	19	21	35	14	14	16	17	80	76	77
000003083074	OAK KNOB VELOUR ZEAL	17	21	32	43	35	39	29	28	22	19	37	41	13	13	15	36	84	81	83
000003083076	OAK KNOB DIABLO NEMESIS	19	27	22	18	35	7	27	29	24	31	36	19	31	35	25	24	84	80	80
000003083078	OAK KNOB MASTER BLESS	4	19	17	21	19	18	18	33	31	38	39	28	38	20	24	35	82	86	83
000003083082	OAK KNOB DIABLO WHISKEY	24	29	32	44	14	24	35	34	29	28	37	36	43	18	24	35	83	87	86
000003083083	OAK KNOB TILLER DIAMETER	23	29	27	19	30	21	26	38	36	27	35	25	26	27	21	30	88	82	84
000003083087	OAK KNOB MASTER LIGHTNING	11	21	25	16	27	18	26	36	12	35	36	28	33	33	17	27	77	77	82
000003083090	OAK KNOB NEON FOXY	6	12	17	17	19	7	33	31	17	31	36	24	24	9	9	19	85	82	82
000003083090	OAK KNOB NATHAN ROCKET	22	28	24	33	13	27	17	30	36	23	37	37	37	22	21	19	77	82	78
000003083091	OAK KNOB PATTON ROCKET	22	28	24	33	13	27	17	30	36	23	37	37	37	22	21	19	77	82	78
000003083093	OAK KNOB PATTON GOSH	37	31	19	41	31	27	25	32	30	20	37	34	36	22	22	30	86	86	87
000003083094	OAK KNOB PATTON GOLLY	35	32	26	28	33	9	16	27	19	7	11	25	15	14	9	19	83	63	67
000003083095	OAK KNOB NATHAN PLUTO	24	23	21	41	44	6	18	27	30	20	37	37	37	27	27	19	85	83	85
000003083096	OAK KNOB NATHAN LUNA	21	25	24	33	11	17	25	34	29	22	36	31	34	34	35	35	85	78	81
000003083099	OAK KNOB DIABLO KEASTER	23	16	19	34	14	18	29	27	19	27	41	29	45	34	18	27	88	87	88
000003083100	OAK KNOB PERFECT FLIGHT	36	27	32	33	29	19	29	37	32	22	37	35	45	34	37	32	88	87	88
000365011403	OAK KNOB NEON RHYME	39	19	34	18	19	14	27	31	21	33	31	17	29	35	33	26	78	82	82
000068003120	OAK KNOB DIABLO KARAMEL	42	21	20	32	32	18	6	26	17	25	46	40	27	34	16	28	76	85	83
000068003121	OAK KNOB JB NIRVANA	16	29	19	16	37	11	17	17	24	29	38	30	34	35	34	35	77	82	79
000068003123	OAK KNOB POKER OZONE	35	26	25	27	30	33	29	31	33	34	38	32	35	36	16	20	84	83	84
000068003124	OAK KNOB F KINETIC	12	18	17	18	15	19	36	18	21	34	33	21	19	31	12	36	73	80	80
000068003126	OAK KNOB TILLER NEXUS	24	30	26	19	19	19	36	18	21	41	36	18	35	35	21	35	81	83	83
000068003128	OAK KNOB GLACIER ORNATE	27	35	17	16	17	17	17	17	30	38	43	18	19	50	24	3	84	81	80
000068003130	OAK KNOB DEMAND OPTUM	34	29	24	17	17	19	27	21	24	32	38	32	31	28	25	23	85	82	80
000068003132	OAK KNOB FLANDERS OLE	18	10	12	36	36	12	27	38	31	21	40	32	31	28	25	23	85	85	85
000068003137	OAK KNOB CHALLENGE FLAME	4	13	18	19	40	15	32	41	17	37	36	33	33	35	18	26	82	85	82
000068003143	OAK KNOB JB FORTUNE	17	28	17	6	31	18	23	39	35	34	31	9	29	50	16	14	83	75	75
000068003147	OAK KNOB TILLER NIMBUS	28	24	32	36	15	36	30	26	15	34	36	36	26	23	23	24	72	79	87

Sample Problem #2

MONTHLY REPORT 01/11/20

OAK KNOB GUERNSEYS	PAGE 2	LEAD FEED DAYS = 21, NOT 14	MONTHLY REPORT 01/11/20																				
Headcode		Assoc.		Supervisor		Record Plan		Sample Date		Test Interval		Cow/Month Length		From		at Lab							
42-45-0087		G 445		95		23 DHIR-AP		8-16-07		139.0		36		7-12		8-18							
Cow	ID	SCC Actual & Milk Wts by Test Day						Sample Day Data		Barn Name	Lact. No.	Lactation to Date			C (Income/Feed Cost)	305 PROJ ACT'L	Service Date	Due Date					
		Test Date	SCCA	Milk	Test Date	SCCA	Milk	Test Date	SCCA			Milk	Test Date	SCCA					Milk	Test Date	SCCA	Milk	Test Date
G	68003140	33	54	48	44	45	45	33	32.0	49	BREEZE	11-27	263	11011	501	357	101	12222	556	400	1	2-10	11*23
G	68003157	71	38	27	33	31	13	51	25	38	BUNNY	2-02	18952	759	609	101	19900	805	633	2	1-16	10*29	
G	3073763	606	919	566	857	696	230	264	34	72	CCAKE	10-03	318	22580	164	790	103	+2972	+46	+82	2	12-22	10*04
G	68003240	20	20	44	33	41	41	57	36	87	CLARA	6-01	+784	5.2	3.5	A	100	+3557	+321	+166	2	4-10	1*21
G	68003158							74	86.0	35	CRACKER	6-01	77	5539	204	161	99	+428	+19	+55	2	4-10	1*21
G	3063736	91	86	82	69	57	54	52.0	32	79	DEANNA	3-02	308	21242	666	617	100	+2593	+54	+68	2	7-05	4-16
G	600959	27	41	35	115	76	264	174	33	88	DIAAMETE	6-11	-148	3.1	2.9	C	101	+2844	-150	+15	1	1-11	10*24
G	3083082	62	50	58	51	51	47	28.0	31	60	DIOHTE	11-11	279	14155	593	480	97	14721	611	499	1	3-19	12*23
G	112273189	18	132	22	23	57	71	41	36	60	DINAH	3-06	16884	826	649	99	-2950	-177	-77	2	3-19	12*23	
G	3079789	87	90	84	71	55	54	30.0	31	82	DISCO	8-26	356	26143	148	858	23806	1055	773	6	7-05	4-16	
G	68009100	71	107	174	107	400	373	283	35	95	DITZ	3-10	252	13048	591	404	100	+7447	+313	+224	1	4-24	2*04
G	68003153	62	68	64	63	41	64	62.0	52	58	DREAM	7-24	389	24056	139	841	15266	691	473	1	4-24	2*04	
G	3079781	23	25	33	29	33	29	31	38	68	FAME	2-08	299	11799	605	422	100	+2133	+149	+95	7	6-24	4*05
G	REWARD	80	82	74	65	57	49	38.0	47	80	FLAVO	11-10	280	17851	806	561	100	+18744	846	589	2	6-03	3*15
G	68003138							60	47	51	FLAVO	11-10	280	17851	806	561	100	+18744	846	589	2	6-03	3*15
G	68003137	45	42	44	40	39	39	38.0	57	55	FIERCE	2-06	211	10704	394	322	105	-1404	-176	-63	2	6-03	3*15
G	CHALLENGE	141	38	174	123	460	325	492	37	43	FLAVO	2-03	299	11799	605	422	101	-5359	-129	-127	1	1-02	10*15
G	68003134							62	88	77	FLAVO	12-11	249	17563	655	556	101	21076	786	667	1	3-06	12*17
G	3083100	43	DRY	80	63	64	68	54.0	44	82	FLAVO	2-07	207	13733	585	431	102	+4974	+63	+144	2	4-14	1*25
G	PERFECTO	460	33	25	23	25	23	81	32	71	FLAVO	1-22	207	13733	585	431	98	+927	+19	+27	2	4-14	1*25
G	3073775	51	60	60	57	64	DRY	70.0	36	FLORA	7-31	17	964	38	39	98	BWT: 1120				2	11-19	9*29
G	MILLENHIM	50	35	38	29	35	35	800	35	1000	FLORA	5-10		+518	3.9	4.0	100	17493	802	595	2	11-19	9*01
G	68003143	58	54	58	45	43	37	DRY	DRY	1086	FORTUNE	7-30				B	+35	+32	+25				
Billing for period following		8-16-07		DRPC Fees		44.22		State Fees		22.38		Lab Fees		33.28		Local Fees		Total Amount		99.88			

1 - Solid Feed and Legs
 2 - Solid Dairy
 3 - Solid Non Production
 4 - Solid Reproductive Prob.
 5 - Solid Injury or Other
 6 - Dead
 7 - Solid Mastitis
 8 - Solid Disease
 9 - Solid Udder
 X - Solid Reason Not Reported
 B - Rec. Started or Ended by Abortion
 C - 305 Day Rec. Has Been Computed
 L - % Fat Estimated by Lab
 A - Abnormal
 E - Estimated
 F - % Fat Estimated by Supervisor
 H - In Heat On Test Day
 I - In Heat Prior or During Milking
 * - Calf Prod.
 - - Not Calf Prod.
 B - 10 Days
 P - 10 Days
 P - 10 Days

2007 Iowa FFA Dairy Cattle Production & Management Test Answer Sheet

General

(2 points each)

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

DHIA

(5 points each)

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

Dairy Management Problems

(5 points each)

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

Sire Summary

(5 points each)

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

Pedigree Evaluation

(5 points each)

41. A
42. B
43. C
44. A
45. A

Pedigree Placing

(25 points)

1 2 4 3 cuts 2-6-4

Reasons:

- 1** Highest NM \$166
Highest net merit from dam + \$306
- 2** Second high NM \$135
Highest dam production records – milk, fat, protein
Lower net merit from dam
No 2 year old record
- 4** Third high NM \$38
Positive figure for milk +237
- 3** Lowest NM -\$1
Low production record from dam