

- 14 Dairy farms with what herd size produces the largest percentage of milk in the U. S ?
 a. 1 to 99 cows b. 100 to 499 cows c. 1,000 to 1,999 cows d. over 2,000 cows
- 15 What is the name of milk sugar?
 a. dextrose b. fructose c. lactose d. sucrose
- 16 Milk fever is a major cause of cows going down. What mineral deficiency most commonly causes it?
 a. calcium b. iron c. magnesium d. zinc
- 17 Which part of the body secretes bovine somatotropin?
 a. liver b. lymph nodes c. pituitary d. none, it must be injected
- 18 What term describes the removal of an animal from the herd?
 a. calving b. colostrums c. conception d. culling
- 19 Which vitamin can carotene be substituted for:
 a. A b. B c. C d. D
- 20 In AI, the optimum site for semen deposition is in the:
 a. ovary b. placenta c. uterine body d. vagina
21. What is it called when a cow's pH drops below 5.8?
 a. acidosis b. bloat c. ketosis d. milk fever
22. Which dry period length will maximize production in the next lactation?
 a. 30 day b. 45 day c. 60 day d. none
- 23 Which product is the best source of calcium?
 a. alfalfa b. ammonia c. bean meal d. limestone
- 24 Which of these can cause acidosis?
 a. cows sorting their feed b. inconsistent eating patterns
 c. slug feeding grains d. all of the above
- 25 How much should be removed from a bunker silo face each day in the summer to prevent spoilage?
 a. 2 inches b. 6 inches c. 12 inches d. 2 feet

DHIA Questions—5 pts. each

Refer to the **DHIA Herd Summary** to answer the following questions

- 26 What is the projected ME 305 day milk production record for first lactation cows?
 a. 24134 b. 23260 c. 22488 d. 20946
27. How many cows will be milking in March?
 a. 111 b. 109 c. 84 d. 100
- 28 What is the feed cost per cwt of milk for all milking cows?
 a. \$4.15 b. \$7.90 c. \$3.75 d. \$6.40

- 29 What is the rolling yearly herd average for protein for 7-17-96?
 a 659 b 804 c 622 d 763
- 30 What is the dollar amount lost from SCC during this test period?
 a. 3883 b 790 c. 584 d 912

Dairy Management Problems—5 pts. each

- 31 What percent protein is the following ration?

| | Pounds | Percent Protein |
|---------------------|--------|-----------------|
| Cottonseed meal | 450 | 40 |
| Corn silage | 1500 | 4.1 |
| Ground ear corn | 770 | 6.2 |
| Ground shelled corn | 520 | 8.1 |
| Haylage | 700 | 5.5 |
| Hay | 550 | 19 |
| Soybean meal | 190 | 44 |
| Mineral | 50 | 0 |

- a. 14.9% b 13.3% c. 12.7% d 11.8%

- 32 What is the cost per cwt of ground ear corn if ear corn is \$1.85 per bushel and grinding is \$20 per cwt?

- a. \$2.64 b. \$2.05 c. \$2.84 d \$3.50

- 33 You make a 15% protein ration by grinding 8.5 % protein corn and 38 % protein soybean meal. How many pounds of SBM are needed to make a ton ration?

- a 441 b 1559 c 789 d 525

- 34 A concentrate mix contains 1050 # of corn and cob meal, 450# of shelled corn, 450# of 40% soybean meal and 50# of vitamin and mineral mix. Costs are \$1.70/bu for shelled corn; \$1.15/bu for ear corn; \$240/ton for soybean meal and \$0.12/lb for the vitamin/mineral premix. What is the cost per pound of this mix?

- a. \$.051 b. \$.057 c \$.049 d \$.045

- 35 What is the component value of a hundred weight of milk if the farm produces 146,000 pounds of milk with the following:

| Components | | Basis Milk Value |
|------------|---------|------------------|
| Butterfat | 4.34% | 1.2228 per pound |
| Protein | 3.18% | 1.9807 per pound |
| Solids | 5.95% | .0657 per pound |
| SCC | 150,000 | 0.891 per cwt |

- a \$13.03 b. \$12.95 c \$12.09 d. \$12.01

Sire Evaluation Questions—5 pts. each

Refer to **Appendix A** to answer the following sire questions

- 36 Which sire has the most information?
a Sun-Made Gar Bro Pronto b. Genesis Versace
c. Hilltop Acres T Jolt d. Emic Gord Beamer
- 37 Which sire has the most rapid genetic improvement expected for udder depth?
a. Hendress Camelot Mission b Tabu
c Triangle Acres PO Policy d Red Brae Prelude Zeus
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 PII
c PTAT d PTA
- 39 Which sire has the least greatest expectancy to transmit longevity?
a Lost Elm President b Hanny Swiss Gordon Wurl
c. Emic Gord Beamer d SCF Emory James
- 40 If you were selecting for fat and protein production only, which sire would you choose?
a. RHart EC Eagle b OakForest Ace Chris
c. Blessing Ensign Broker d Lost Elm President

Pedigree Questions—5 pts. each

Refer to **Appendix B** to answer the following pedigree questions.

41. Which dam has the best 2 year old record?
a Sun Made Jetway Therese b Sun Made Jetway Twist
c. Tanya Jet Toni d Bradley Acres BigTime Flame
- 42 What is the name of the maternal granddam of heifer #2?
a Sun Made Jetway Twist b. Sun Made Gar Bro Parfait
c Sun Made Blend Trisha d. Sun Made Garbro Prestige
43. Which two heifers are the closest in age?
a. 1 & 2 b. 1 & 3 c. 1 & 4 d. 2 & 4
- 44 Which heifer was not an embryo transfer?
a 1 b 2 c 3 d 4
- 45 Which heifer would probably have the highest type score?
a 1 b 2 c. 3 d. 4

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

DHIA Herd Summary

HERD SUMMARY DHI-202

HERD CODE AND TYPE OF RECORD: 64 43 0108
DATE TESTED: 07 17 98
DHI

HERD NAME: HENRY SMITH
SMITH DAIRY FARMS
RFD. 3
1 AUBURN AL 36830

REPRODUCTIVE SUMMARY OF CURRENT BREEDING HERD

| | |
|--|----|
| TOTAL COWS IN BREEDING HERD | 26 |
| COWS WITH NO SERVICE DATES OR DIAG. OPEN | 7 |
| OPEN VMP TO 100 DAYS | 2 |
| OPEN OVER 100 DAYS | 1 |
| NUMBER COWS BRED BUT NOT DIAG. PREG. | 2 |
| DAYS OPEN AT LAST SERVICE | 6 |
| NUMBER COWS BRED BUT NOT DIAG. PREG. | 3 |
| DAYS OPEN AT LAST SERVICE | 6 |
| NUMBER COWS BRED BUT NOT DIAG. PREG. | 3 |
| DAYS OPEN AT LAST SERVICE | 6 |

PRODUCTION, INCOME, & FEED COST SUMMARY

| | | |
|-------------------------------------|--------------|--------------|
| DESCRIPTION | 1997 AVERAGE | 1998 AVERAGE |
| TOTAL COWS | 122 | 126 |
| COWS IN MILK | 84 | 89 |
| MILK LBS. (ALL COWS) | 38.4 | 20.9 |
| FAT LBS. (ALL COWS) | 1.48 | 2.01 |
| FAT PERCENT | 3.9 | 3.9 |
| PROTEIN LBS. (ALL COWS) | 1.16 | 1.55 |
| PROTEIN PERCENT | 3.0 | 3.1 |
| MILK LBS. (MILKING COWS) | 58.6 | 31.1 |
| MILKING COWS | 33 | 31 |
| LBS. CONSUMED | 15,802 | 25 |
| OTHER SUCCULENTS OR BLENDED RATIONS | 1,303 | 3 |
| DRY FORAGE | 2,453 | 10 |
| OTHER FEEDS | 3,108 | 59 |
| CONCENTRATES | 2.42 | 2.11 |
| VALUE OF PRODUCE | 7,905 | 5,444 |
| COST OF CONCENTRATES | 2,422 | 2,111 |
| TOTAL FEED COST | 3,753 | 3,355 |
| INCOME OVER FEED COST | 4,152 | 2,089 |
| FEED COST PER CWT MILK | 6.40 | 8.72 |
| MILK BLEND PRICE | 13.56 | 3.7 |

REPRODUCTIVE SUMMARY OF TOTAL HERD

| | | | | | | | | |
|--------------------------|----|----|----|----|-----|-----|------|-----|
| DAYS OPEN AT 1ST SERVICE | 2 | 23 | 2 | 21 | 2.0 | 2.5 | 12.0 | 99 |
| NUMBER FEMES THAN VMP | 2 | 14 | 3 | 20 | 2.2 | 2.7 | 12.0 | 110 |
| 2ND LACT | 6 | 28 | 5 | 33 | 2.4 | 3.0 | 13.2 | 122 |
| 3+ LACTS | 10 | 65 | 10 | 75 | 2.2 | 2.7 | 13.2 | 131 |
| ALL LACTS | 12 | 76 | 12 | 83 | 2.2 | 2.7 | 13.2 | 143 |

BIRTH SUMMARY

| | | | | | |
|--------------|---------|----------|--------------|----------------|---------------------|
| DATE OF TEST | % HEATS | % NUMBER | % SUCCESSFUL | NUMBER CALVING | TOTAL PREGNANT COWS |
| 8-14-95 | 42 | 14 | 43 | 5 | 22 |
| 9-17-95 | 42 | 45 | 18 | 6 | 23 |
| 10-13-95 | 45 | 59 | 40 | 1 | 20 |
| 11-12-95 | 42 | 52 | 8 | 18 | 55 |
| 12-10-95 | 26 | 25 | 40 | 26 | 10 |
| 1-12-96 | 60 | 20 | 45 | 21 | 10 |
| 2-11-96 | 30 | 23 | 65 | 8 | 6 |
| 3-19-96 | 65 | 18 | 38 | 9 | 5 |
| 4-13-96 | 35 | 16 | 56 | 12 | 7 |
| 5-19-96 | 45 | 10 | 39 | 6 | 6 |
| 6-14-96 | 42 | 12 | 8 | 9 | 8 |
| 7-17-96 | 61 | 8 | 4 | 15 | 70 |
| AVERAGES | 33 | 26 | 38 | 9 | 12 |
| TOTALS | 303 | 112 | 147 | | |

MISCELLANEOUS HERD INFORMATION

| | | |
|--|----------|----------------|
| SMITH-TEST DAY COMPARISON | TEST DAY | YEARLY AVERAGE |
| 4705 | 4992 | 23 07 17 07 18 |
| REPORTED AV. DAILY MILK TANK WTS. LBS. | 4650 | 4908 |
| % DEVIATION | +1.9 | +4.4 |

STAGE OF LACTATION PROFILE

| | | | | | | | |
|-----------|----------------|-------------|--------------------|--------------------|-------------------|---------------|------|
| AGE GROUP | NUMBER ANIMALS | AVERAGE AGE | NUM. IDENTIFIED BY | NUMBER IN QUARTERS | NO. ANIMALS PTA 5 | AVERAGE PTA 5 | PAI |
| 0-12 | 62 | 6 | 62 | 62 | 58 | +108 | +187 |
| 13+ | 66 | 18 | 66 | 68 | 61 | +97 | +183 |
| TOTAL | 128 | 12 | 128 | 130 | 119 | +103 | +175 |

IDENTIFICATION AND GENETIC SUMMARY

| | | | | | |
|------------------------|------|---------------|-----------------|---------------|----------------|
| HERD PTA 5 OPTION | MFP | GENETIC PTA 5 | PROVEN ALL SIRE | GENETIC PTA 5 | ALL OTHER SIRE |
| 75 | 20 | 5 | 3 | 3 | 5 |
| AVERAGE PTA 5 OR PTA 5 | +200 | +216 | +10 | | |
| AV. IMPROVEMENT | 83 | 90 | 0 | | |

CURRENT SOMATIC CELL COUNT SUMMARY

| | |
|--|--------------|
| HERD PRODUCTION LBST FROM SCC THIS TEST PERIOD | MILK - 3,683 |
| | 3 - 584 |

PRODUCTION BY LACTATION SUMMARY

| | | | | | | | | | | | | | | |
|----------------|-----|-------------|-----------------|---------------------------|-------------|------------------|-----|-----|------|----|----|----|----|---|
| NUMBER OF COWS | AGE | SUMMIT MILK | PROJ ME 305 DAY | DIFFERENCE FROM HERDMATES | BODY WEIGHT | % COWS SCC SCORE | | | | | | | | |
| 34 | 23 | 69 | 22488 | 848 | 768 | -280 | -2 | -1 | 1100 | 72 | 6 | 11 | 11 | |
| 30 | 36 | 90 | 23260 | 866 | 799 | +883 | +30 | +18 | 1200 | 86 | 10 | 3 | 7 | |
| 58 | 59 | 101 | 24134 | 899 | 835 | +1561 | +52 | +40 | 1340 | 77 | 16 | 4 | 2 | 1 |
| AVERAGES | 42 | 89 | 22422 | 874 | 805 | +830 | +33 | +26 | 1290 | 76 | 11 | 9 | 11 | |

YEARLY SUMMARY OF COWS ENTERED AND LEFT THE HERD

| | | | | | | | | | | | | | | |
|--------------------|----------|-----------------------|-------------------------|-------------------|----------------|-------|-------|-------|-------|-------------|---------|----------|------|-------------------|
| NUMBER DRY PERIODS | DAYS OFF | NUMBER DRY 40-70 DAYS | NUMBER DRY OVER 70 DAYS | COWS ENTERED HERD | COWS LEFT HERD | DAIRY | REPO. | MAST. | UDGR. | FFFT 4 LEGS | HL INWR | DIS-EASE | DIED | NOT RECD OR OTHER |
| 30 | 62 | 3 | 24 | 3 | 27 | 22 | 6 | 5 | 2 | 3 | 1 | 1 | 1 | 1 |
| 58 | 71 | 47 | 11 | 18 | 15 | 1 | 1 | 6 | 2 | 1 | 2 | 1 | 1 | 2 |
| AVERAGES | 56 | 3 | 14 | 11 | 17 | 11 | 3 | 2 | 2 | 1 | 1 | 1 | 1 | 1 |

YEARLY PRODUCTION AND MASTITIS SUMMARY

| | | | | | | | | | | | | | | | | | | | |
|---------------------|--------------|-------------------------------|-----------------------|--------------------------|-------------------------------------|---------------------------------------|-----------------------------|----------------------------|------------------|-------|-----|-----|----|----|----|---|---|---|---|
| DATE OF TEST PERIOD | DAYS IN MILK | TEST DAY AVERAGE MILKING COWS | TEST DAY AVERAGE MILK | TEST PERIOD PERCENT MILK | TEST PERIOD AVERAGE MILK LBS. ADDED | TEST PERIOD AVERAGE MILK LBS. DROPPED | ROLLING YEARLY HERD AVERAGE | SOMATIC CELL COUNT SUMMARY | NUMBER LEFT HERD | | | | | | | | | | |
| 8-14-95 | 26 | 129 | 65.0 | 61.3 | 121 | 61 | 49.9 | 3.7 | 3.2 | 20083 | 782 | 620 | 79 | 13 | 3 | 5 | 2 | 1 | 1 |
| 9-17-95 | 34 | 127 | 67.8 | 63.9 | 103 | 62 | 53.2 | 3.9 | 3.1 | 20183 | 770 | 628 | 72 | 17 | 7 | 3 | 1 | 2 | 1 |
| 10-13-95 | 28 | 131 | 72.5 | 68.1 | 106 | 56 | 60.3 | 3.0 | 3.2 | 20269 | 777 | 632 | 79 | 13 | 2 | 3 | 3 | 2 | 3 |
| 11-12-95 | 36 | 133 | 72.4 | 69.8 | 100 | 86 | 65.5 | 3.1 | 3.1 | 20350 | 783 | 637 | 75 | 10 | 9 | 3 | 3 | 2 | 1 |
| 12-10-95 | 28 | 128 | 74.2 | 74.1 | 103 | 81 | 68.7 | 3.4 | 3.4 | 20397 | 788 | 641 | 85 | 10 | 3 | 2 | 2 | 1 | 3 |
| 1-12-96 | 33 | 127 | 73.2 | 78.1 | 100 | 92 | 66.5 | 4.0 | 3.2 | 20518 | 794 | 647 | 83 | 9 | 3 | 3 | 2 | 2 | 1 |
| 2-11-96 | 30 | 123 | 68.2 | 73.5 | 93 | 84 | 63.4 | 3.8 | 3.3 | 20504 | 793 | 648 | 82 | 10 | 3 | 5 | 2 | 2 | 1 |
| 3-19-96 | 36 | 123 | 67.9 | 77.8 | 100 | 83 | 62.4 | 3.8 | 3.6 | 20522 | 792 | 647 | 73 | 15 | 9 | 2 | 1 | 2 | 1 |
| 4-13-96 | 25 | 125 | 61.3 | 72.9 | 89 | 90 | 55.4 | 3.6 | 3.2 | 20693 | 797 | 649 | 78 | 12 | 7 | 3 | 2 | 1 | 1 |
| 5-19-96 | 36 | 124 | 62.3 | 73.8 | 91 | 77 | 47.7 | 3.8 | 3.0 | 20727 | 799 | 650 | 70 | 20 | 10 | 1 | 2 | 1 | 1 |
| 6-14-96 | 26 | 122 | 57.8 | 65.8 | 91 | 65 | 38.3 | 3.7 | 3.3 | 20822 | 793 | 646 | 82 | 15 | 2 | 1 | 1 | 1 | 1 |
| 7-17-96 | 33 | 127 | 58.6 | 64.2 | 100 | 62 | 36.4 | 3.8 | 3.9 | 20946 | 804 | 659 | 76 | 11 | 8 | 1 | 4 | 2 | 1 |
| AVERAGES | 30 | 126 | 66.8 | 69.8 | 101 | 80 | 55.5 | 3.6 | 3.1 | | | | 78 | 12 | 6 | 3 | 1 | 2 | 1 |

Appendix B

Heifer #1

\$ _____ LOT 2 * Sun-Made KB Denver Truth ET 945237

Born: 03/24/06 Tattoo Lt: K239
 Consignor: Sunshine Genetics/Katzman Bros
 Whitewater WI

Parent Average: +79m +17f +5p +46NM\$

3rd Dam.

MORT MATT TAMMY 736173
 3E90 - Certified - Superior Brood Cow
 05/02 365d 2X 24950 4.4 1093 3.6 898 DHIR
 Nominated All American 5 Year Old 1990

4th Dam.

MORT IMPROVER LORI 676890 *3E90*
 08/05 365d 2X 26020 5.0 1297 3.6 929 DHIR

5th Dam.

BETTY DEBBIE 607055 *V88*
 03/10 350d 2X 18300 4.5 815 DHIR

ROLLING VIEW DENVER ET *TM 193557
 Not Classified *Qualified Sire*
 PTI: +119 82%R PTAT: +0.9 78%R (05/06)
 PTA: +631m +40f +25p +214NM\$ 86%R (MACE)
 141 dau av 22703 4.0 914 3.4 765
 23 class dau av FS:84.2 MS:84.1

TANYA JET TONI ET 883848
 05/02 *2E91 2E92 2E90 2E92 2E92 E90
 CPI: -43 PTAT: +0.8
 PTA: -473m -6f -16p -123NM\$ 11%\$
 02/04 314d 2X 19600 4.6 910 3.6 709 DHIR
 03/05 304d 2X 18020 5.0 900 3.8 676 DHIR
 04/06 345d 2X 24380 4.4 1067 3.6 871 DHIR
 1st & 1st BU Sr 3 Year Old WI State Fair 2002
 1st Sr 3 Year Old WI State Show 2002

BETTA VUE EMORY PRELUDE ET 187668 'E91'
 PTI: +43 99%R PTAT: +0.4 99%R (05/06)
 PTA: +657m +4f +18p +19NM\$ 99%R (MACE)

QUINCY JETWAY DIANE DALLAS 849525
 02/09 'E90' V89 E91 V88 V86 E91 *Certified*
 PTA: +978m +47f +22p +174NM\$ 80%\$
 02/03 365d 2X 31520 4.0 1263 3.5 1096 DHIR

FOREST LAWN SIMON JETWAY ET(M) 185301 E90
 PTI: -9 99%R PTAT: +0.7 99%R (05/06)
 PTA: +98m +0f -6p -113NM\$ 99%R (MACE)

MORT SIMON TANYA 795321
 14/04 4E94' 4E93 4E94 4E95 4E94 4E94 *Certified*
 PTA: +701m +28f +9p +154NM\$ 76%\$
 03/04 365d 2X 30770 3.8 1189 3.6 1097 DHIR
 07/00 365d 2X 38030 4.1 1562 3.4 1276 DHIR
 09/02 365d 2X 36660 4.1 1494 3.3 1221 DHIR
 13/04 365d 2X 34880 4.6 1588 3.2 1123 DHIR
 Lifetime: 2329d 203520m 8511f 6977p
 Grand Champion WI State Fair 1997 & 1999
 Reserve Grand Champion WI State Show 1999
 Reserve Grand Champion WI State Fair 1998
 Member All American Produce of Dam 1997
 1st & 1st BU Aged Cow WI State Fair 2000
 1st Aged Cow WI State Fair 1999
 1st & 1st BU Aged Cow WI State Show 1999
 2nd & 1st BU Aged Cow WI State Fair 1998
 1st & 1st BU Aged Cow WI State Fair 1997
 1st BU Aged Cow WI State Show 2000

Heifer #2

\$ _____ LOT 3 * Ki-Ja-Mar Prestige Treat ET 941549

Born: 09/02/05 Tattoo Lt: K216
 Consignor: Sunshine Genetics/Katzman Bros
 Whitewater WI

Parent Average: +471m +18f +14p +147NM\$

3rd Dam.

MORT MATT TAMMY 736173
 3E90 - Certified - Superior Brood Cow
 05/02 365d 2X 24950 4.4 1093 3.6 898 DHIR
 Nominated All American 5 Year Old 1990

4th Dam.

MORT IMPROVER LORI 676890 *3E90*
 08/05 365d 2X 26020 5.0 1297 3.6 929 DHIR

5th Dam.

BETTY DEBBIE 607055 *V88*
 03/10 350d 2X 18300 4.5 815 DHIR

SUN-MADE GARBRO PRSTIGE ET(M)* 193852
 Not Classified *Superior Sire*
 PTI: +136 79%R PTAT: +0.5 78%R (05/06)
 PTA: +897m +30f +29p +288NM\$ 84%R
 42 dau. av 22130 4.0 878 3.3 737
 31 class dau av FS:83.4 MS:83.4

SUN-MADE JETWAY TWIST ET 870263
 06/08 *2E90 2E93 V88 2E91 V89 2E90
 CPI: +25 PTAT: +0.8
 PTA: +45m +5f -1p +5NM\$ 38%\$
 02/05 315d 2X 23850 4.5 1082 3.4 800 DHIR
 03/05 364d 2X 27680 4.1 1133 3.5 959 DHIR
 *04/07 305d 2X 29880 5.2 1539 3.3 979 DHIA
 Lifetime: 1102d 88480m 4140f 2980p
 Hon Men All American Fall Yearling Hfr 1999
 Nominated All American Sr 2 Year Old 2000
 3rd Fall Yearling Hfr Central National 1999
 Grand Champion MI State Show 2002
 Member Hon Men All American Produce of Dam 2001
 1st & 1st BU 4 Year Old MI State Show 2002
 1st Sr 3 Year Old WI State Show & Fair 2001
 1st Sr 2 Year Old WI State Show & Fair 2000
 1st Fall Yearling Hfr WI State Show & Fair 1999
 1st Fall Hfr Calf WI State Show & Fair 1998

MORT PATRICK TOM ET (M) 187531 'V87'
 PTI: +32 89%R PTAT: +0.5 87%R (05/06)
 PTA: +274m -9f +3p +81NM\$ 91%R (MACE)

SUN-MADE GAR BRO PARFAIT ET 853054
 07/11 *2E90 2E91 2E90 2E90 2E90 *Certified*
 PTA: +1027m +46f +29p +274NM\$ 93%\$
 02/05 352d 2X 27410 4.2 1151 3.5 953 DHIR
 03/08 365d 2X 28330 4.5 1287 3.4 962 DHIR
 Nominated All American Summer Yearling Hfr 1996
 Reserve Grand Champion MI State Show 1999
 1st 4 Year Old MI State Show 1999
 1st Summer Yearling Hfr WI State Show & Fair 1996

FOREST LAWN SIMON JETWAY ET(M) 185301 E90
 PTI: -9 99%R PTAT: +0.7 99%R (05/06)
 PTA: +98m +0f -6p -113NM\$ 99%R (MACE)

SUN-MADE BLEND TRISHA ET 821748
 05/07 *2E91 2E94 E91 2E91 V88 2E90
 PTA: -153m -4f -3p +19NM\$ 42%\$
 02/04 269d 2X 14270 4.2 603 3.6 515 DHIR
 03/02 359d 2X 24060 4.2 1002 3.7 899 DHIR
 05/01 365d 2X 33880 4.1 1382 3.5 1177 DHIR
 Reserve All American Summer Yearling Hfr 1993
 Member All American Produce of Dam 1997

Heifer #3

\$ _____ LOT 4 * Pull Tab Premium Trendy ET 944992

Born: 03/09/06 Tattoo Lt: PT05
 Consignor: Franke, Ashley
 Fond Du Lac WI

Parent Average: +455m +22f +11p +184NM\$

3rd Dam:

MORT MATT TAMMY 736173
 3E90 - Certified - Superior Brood Cow
 05/02 365d 2X 24950 4.4 1093 3.6 898 DHIR
 Nominated All American 5 Year Old 1990

4th Dam

MORT IMPROVER LORI 676890 *3E90*
 08/05 365d 2X 26020 5.0 1297 3.6 929 DHIR

5th Dam:

BETTY DEBBIE 607055 *V88*
 03/10 350d 2X 18300 4.5 815 DHIR

TOP ACRES E P PREMIUM ET 191362
 Not Classified * Qualified Sire *
 PTI: +108 92%R PTAT: +0.7 92%R (05/06)
 PTA: +679m +25f +16p +252NM\$ 94%R (MACE)
 1124 dau. av. 22685 4.0 913 3.3 746
 107 class dau. av. FS:85.1 MS:85.1

SUN-MADE JETWAY THERESE ET 892560

04/01 'E91' E90 E91 E91 E90 E92
 CPI: +62 PTAT: +0.6
 PTA: +230m +18f +6p +116NM\$ 68%\$
 02/04 365d 2X 28950 4.6 1328 3.6 1039 DHIR
 03/09 365d 2X 33920 4.3 1464 3.5 1171 DHIR
 1st Sr 2 Year Old WI State Show & Fair 2002
 2nd Winter Yearling Hfr WI State Show & Fair 2001

VICTORY ACRES JUBILAT EMORY*TM 181329 'E91'
 PTI: -26 99%R PTAT: -0.1 99%R (05/06)
 PTA: -535m +2f -7p -63NM\$ 99%R (MACE)
 All American Sr Bull Calf 1985

ARNOLA PEGGY PRISCILLA 717943
 15/07 '5E91' 5E91 4E91 5E90 2E92 5E90 *Elite*

Superior Brood Cow
 PTA: +838m +7f +10p +174NM\$ 80%\$
 02/05 365d 2X 18150 3.7 676 3.4 612 DHIR
 03/08 365d 2X 27560 4.0 1112 3.4 946 DHIR
 04/10 365d 2X 30800 4.4 1348 3.2 974 DHIR
 06/10 365d 2X 30250 4.4 1339 3.4 1034 DHIR
 Lifetime: 1918d 128240m 5326f 4311p
 National Total Performance 1989 & 1991
 Nominated All American 3 Year Old 1986

FOREST LAWN SIMON JETWAY ET(M) 185301 'E90'
 PTI: -9 99%R PTAT: +0.7 99%R (05/06)
 PTA: +98m +0f -6p -113NM\$ 99%R (MACE)

SUN-MADE JADE TREASURE ET 846588

04/01 'V88' V87 V87 V86 V87 V89
 PTA: -445m -15f -11p +1NM\$ 37%\$
 02/06 305d 2X 21070 4.2 880 3.6 754 DHIR
 03/09 365d 2X 28220 3.9 1090 3.5 982 DHIR
 Full Sister to: MORT JADE STARBUCK

Heifer #4

\$ _____ LOT 9 * Bradley Acres Jolt Flamer 943986

Born: 06/13/05 Tattoo Rt: D 101
 Consignor: Cowles, David
 Roberts WI

Parent Average: +785m +20f +27p +206NM\$

3rd Dam:

KRUSES GK JADE FANTASY VIX ET 789702
 4E94 - Superior Brood Cow
 06/02 365d 2X 26400 4.7 1242 3.9 1028 DHIR
 All American 4 Year Old 1993 & Aged Cow 1995
 All American Spring Yearling Heifer 1990

4th Dam: **KRUSES BEAUTICIAN VIXIE *TS 644583**

5E90 - Superior Brood Cow
 06/04 357d 2X 18680 4.6 857 3.3 617 DHIR
 All American 4 Year Old 1981

5th Dam: **KRUSES STRETCHED VICKIE 607200**

2E90 - Certified
 04/03 317d 2X 17540 4.0 702 DHIR

HILLTOP ACRES T JOLT ET *TW*TM 193011

Not Classified * Superior Sire *
 PTI: +170 86%R PTAT: +0.7 88%R (05/06)
 PTA: +1216m +39f +43p +297NM\$ 89%R (MACE)
 103 dau. av. 23460 4.1 956 3.3 784
 68 class dau. av. FS:85.0 MS:84.9

BRADLEY ACRES BIGTIME FLAME 919726

03/06 +84' V87 V86 V87 V85 +82
 CPI: +59 PTAT: +0.7
 PTA: +353m +f +11p +115NM\$ 68%\$
 *02/07 317d 2X 19596 3.7 734 3.5 680 (RIP)

MORT PATRICK TOM ET (M) 187531 'V87'
 PTI: +32 89%R PTAT: +0.5 87%R (05/06)
 PTA: +274m -9f +3p +81NM\$ 91%R (MACE)

HILLTOP ACRES BL JILLETE ET*TW 828761

05/04 '2E92' 2E94 2E93 2E93 2E90 2E90 *Certified*
 PTA: +1095m +42f +48p +307NM\$ 95%\$
 01/11 365d 2X 21340 3.9 840 3.8 808 DHIR
 03/07 365d 2X 32590 3.9 1270 3.7 1204 DHIR
 04/11 365d 2X 38870 4.8 1880 3.5 1356 DHIR
 Lifetime: 1978d 148670m 6370f 5569p

MILK & HONEY BIG TIME 194773 'NC'

PTI: +78 75%R PTAT: +0.9 62%R (05/06)
 PTA: -71m -3f +12p +123NM\$ 83%R (MACE)

KRUSES ENSIGN FLO ET 831246

11/00 '3E91' 3E91 3E90 3E92 E90 3E91 *Certified*
 PTA: +778m +10f +10p +134NM\$ 72%\$
 04/04 365d 2X 27210 3.8 1022 3.3 889 DHIR
 05/06 365d 3X 29529 3.8 1112 3.1 924 DHIR
 07/05 365d 2X 35020 3.9 1353 2.9 1029 DHIR
 09/05 365d 2X 29740 4.0 1199 3.0 895 DHIR
 Lifetime: 2687d 185560m 7096f 5849p

2006 Iowa FFA Dairy Cattle Production & Management Test Answer Sheet

General
(2 points each)

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

DHIA
(5 points each)

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

Dairy Management Problems

(5 points each)

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

Sire Summary

(5 points each)

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

Pedigree Evaluation

(5 points each)

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

Pedigree Placing
(25 points)

4 3 2 1 cuts 3-2-7

Reasons:

- 4** Highest NM \$206
Highest PTA dam record
353m +115 net merit \$
Highest PTA sire
1216m 297 nm\$
- 3** Second highest MN \$184
PTA dam record
230m +116 NMS
Second PTA sire
679m +252 NMS
- 2** Third High NM \$147
Second PTA sire
679m 252 NMS
Lower PTA dam
45m 5 NMS
- 1** Lowest NM \$46
Lowest PTA dam record
-473m -6f -16p
Highest type sire .9
Highest type dam .8