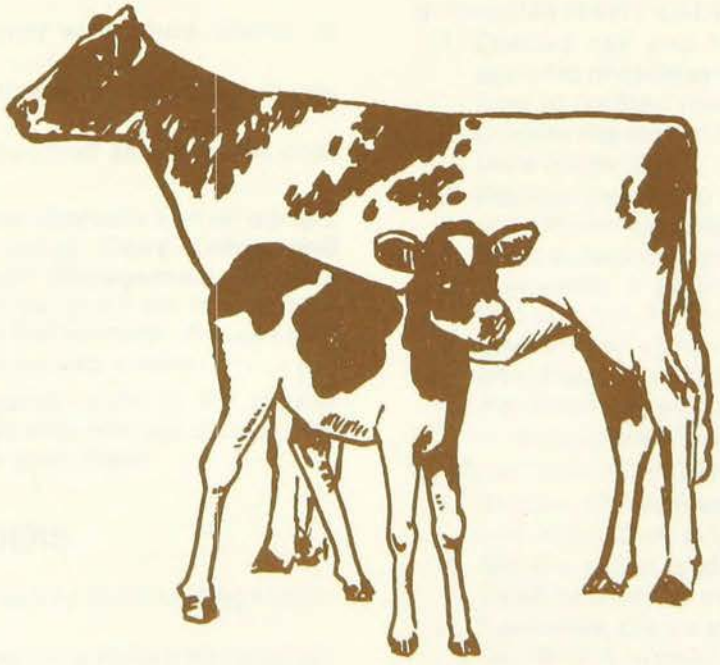
4-H M-130
1978

MINNESOTA DAIRY LEADER'S GUIDE

AGRICULTURAL EXTENSION SERVICE UNIVERSITY OF MINNESOTA



MINNESOTA DAIRY LEADER'S GUIDE

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Being a 4-H project leader can be very satisfying, or it can be very frustrating. For a satisfying experience, you should:

a. Plan the learning activity well (tours, clinics, or meetings).
b. Find all the material that will support what you want to teach.
c. Keep the members involved and busy to hold their interest.

Minnesota has two new dairy manuals that all leaders and members should be using: **Dairy...Calves and Heifers** and **Dairy...Cows and Management.** You can use these manuals as a reference for the information that should be taught to the 4-H member. You can also use them to help teach the subject matter.

The lesson ideas in this guide relate to the project manuals. These are ideas to help you get started, use your imagination and your own ideas.

BASIC TIPS FOR LEADERS

- Be involved in regular monthly club meetings when possible.
- Hold at least four dairy sessions during the year (six would be even better).
- Help each member determine which two or more units he/she will study each year. At the end of the year, check to see if they have completed their units.
- Keep parents informed so they understand the project and requirements. Invite them to attend the meetings that you hold.
- Use resource people to help teach some of the project material.
- Encourage members to keep records. Ask them to bring these to the meetings so that you can check them.

MEETING IDEAS AND PLANS

I. Dairy...Calves and Heifers

A. SELECTING A DAIRY PROJECT ANIMAL

1. Ask the members to read this section of the book before they come to the meeting.
2. Obtain the sire report and review the explanation.
3. Discuss with the members how to select a calf using sire information, production records, and classification information.
4. If possible, let youth go and choose a calf and give their reasons for the selection. If live animals are not available, use pictures out of a magazine.
5. Evaluate what the youth have learned by the explanations they give in choosing a calf and/or by giving a short quiz.
6. Announce the date and topic of the next meeting and ask members to read the sections on pages 23 to 40.
7. Ask some members to give demonstrations on topics such as dehorning, removing extra teats, registering a calf, feeding a young calf, care of a baby calf, etc.

B. RAISING DAIRY CALVES

1. Discuss calf and heifer feeding (have some samples of various types of feed). Also, discuss how to do feed records.
2. Discuss the care of the baby calf at the time it is born (page 23).
3. Discuss managing a calf and disease control and prevention (pages 23 to 24).
4. Discuss how to manage a heifer. As part of this discussion, a session on disease and prevention also would be helpful.
5. Discuss the various ingredients of feed and why they are necessary.
6. Ask those interested in studying breeds of dairy to read pages 41 to 54.

C. SELECTION-BREEDING

1. Discuss the various breeds of dairy animals and where they originated from.
2. Ask the group to discuss the advantages and disadvantages of each of the breeds.
3. If possible, plan a tour to visit farms that have the various breeds.
4. Write to National Breed Association (address on page X for information on each breed).
5. Show the film "A Matter of Breeding," 28-minute sound film by Carnation Farms (Carnation Farms Breeding Service, Watertown, Wisconsin 53094). This film shows techniques and benefits of A.I.

6. Discuss with the group "The How's and Why's of Inheritance" (pages 51 to 54).
   a. Include how to improve inheritance.
   b. Talk about predicted different ratings for milk production.

D. REPRODUCTION*
1. Discuss what happens when a calf is born.
2. Discuss the whole breeding cycle.
3. Explain how milk is produced. The various types of milk machines could be included in this. (If possible, it would be great to let each youth try to milk a cow or plan a contest.)

E. JUDGING OF DAIRY CATTLE
1. Show slide set #117 Judging Dairy Cattle or the video tape on Judging Dairy Cattle.
2. Teach the basic things to look for in dairy cattle today. The members must also know the various parts of the animal and terminology to explain what they see as they evaluate animals.
3. Set up classes for the youth to evaluate, if possible.

F. MILK AND MILK PRODUCTS **
1. This would be a good lesson to teach at a regular club meeting because it would be of interest to everyone, even if they don't have dairy cattle.
2. Discuss what happens to milk after it leaves the farm.
3. Review the importance of milk in the diet and what it is composed of.
4. Discuss how various milk products are made — cheese, ice cream, butter, etc. (if possible, tour a cheese factory or milk plant).
5. Let the youth make butter or ice cream.

II. Dairy...Cows and Management

A. DAIRY CATTLE AND MAN
1. Ask those taking this unit to read and ask questions on parts they may not understand.
2. Review again what the composition of milk is and how it fits into our daily food needs.
3. Talk about by-products of the cow and how we use these products.
4. Discuss the part on "Do Cows Compete with Man?"
5. Have a producer or producers come in and talk to the members on what it is like to be a dairy farmer.

B. HERD HEALTH
1. Discuss the most frequent health problems in dairy cattle and how to treat them. Also talk about preventative measures.
2. Collect pictures of or tour various housing setups. Discuss advantages and disadvantages of the two major types.
3. Discuss the section on manure management. Let the members read about the various ideas. If possible, tour some setups that have the various types.

C. FEEDING YOUR COW
1. This unit requires youths to keep a feed record on each cow that they own.
2. Discuss the feed requirements of a cow during milking and during the dry time. Also talk about feeding the whole herd.
3. Study the various feed rations used by the members to feed their cows. Determine if they are balanced, and why.
4. Teach the youths how to formulate a feed ration (pages 27 to 30).
5. Study the section on rumen function (use the slide set Roaming Through the Rumen.) (Be sure the youths know the various parts of the stomach, how the cow's stomach differs from the pig's, and how that affects the kinds of feed given.)

D. SELECTION — KEY TO PROGRESS
1. Ask the youths to read carefully pages 35 to 43.
2. Discuss the topic of chosing sires, including the importance of A.I. in dairy improvement.
3. Introduce the various charts in the book that the members could use with their own herds.
4. Discuss how to choose a cow and what traits are most important to look for in a cow.
5. Review the importance of herd improvement and what it means to the dairy producers.

E. REPRODUCTION
1. Discuss the reproductive organs of the female and male dairy animals.
2. Discuss what takes place in fertilization, pregnancy, and birth.
3. Discuss the heat cycle of a female, including detecting heat and when to breed.
4. Include a discussion of the more common diseases of cows.

F. THE MILK PLANT
1. Tour a milk plant, if possible.
2. Review what happens to milk after it leaves the farm.
3. Discuss ways to have quality control of milk systems on a farm.

G. MILKING
1. Discuss the parts of the cow's body that produce the milk.
2. Examine the udder of a cow and look at how it is attached.
3. Discuss what is meant by milking practices.
4. Discuss milking techniques and ask the youths to keep a record of how long it takes to milk 10 of their own cows (page 57).
5. Discuss the various types of milking machines.
6. Explain how to check the equipment to see if it is operating properly.
7. Discuss what mastitis is, how to test for it, plus what to do to cure it if a cow gets it.

* This unit would be very interesting for those youth taking the dairy project without an animal.

** This unit also would be good to teach to members who are taking the dairy project but do not have animals.

H. ECONOMICS

1. Discuss the various records that must be kept and why.
2. Work with the youth as they plan to buy new animals to add to the herd. Help them think through all of the information on selection that you have discussed with them previously.
3. Help the youth learn how to handle a new animal in the herd.
4. Individually work with youth and their parents on setting up a family dairy business.

I. MANAGEMENT PROJECT

Older members should advance to the whole herd analysis, not just the project animal as such. Study these sections:

Dairy Herd Management
Managing Reproduction
Feed Management
Choosing Sire
Cow Selection

4-H DAIRY PROJECT LITERATURE

Project Phase	Description (objectives, purpose, audience, etc.)
Calf	Raise and exhibit dairy calf. Learn principles of dairy science.
Jr. Yearling	Continuation of calf project. Learn principles of dairy science.
Sr. Yearling	Continuation of calf project. Learn principles of dairy science.
Two-Year-Old	Learn feeding and management of dairy cows plus principles of dairy science.
Advanced	Learn feeding and management of dairy cows plus principles of dairy science.
Herd Management	Analysis of dairy management using the family's dairy herd for examples.
Adventure In Dairyland	Learn about the production of dairy products and management of the dairy animal. For youth that cannot have animals.

Bulletin	Record
4-H B-10 Dairy Calves and Heifers	4-H R-65A Feed Summary for Dairy Calves, Yearlings, and Two-Year-Olds Not in Milk *4-H R-65C Lifetime Dairy Record and Summary **4-H R-16 Dairy Member Summary
4-H B-11 Cows and Management	4-H R-17 Feed Summary for Cows *4-H R-65C Lifetime Dairy Record and Summary **4-H R-16 Dairy Member Summary
Adventure in Dairyland—Dairy Project Workbook For Urban Youth	No record, use self-determined project record.

*Must be kept on each animal the 4-Her owns, whether it is shown or not.
**Must be kept by members to show what they have done in their project manuals.

SUPPORTING MATERIALS AVAILABLE FOR 4-H DAIRY PROJECT

To obtain a copy of one or more of these publications, contact your local County Director or write to: Bulletin Room, 3 Coffey Hall, 1420 Eckles Avenue, University of Minnesota, St. Paul, Minnesota 55108.

Type of publication is indicated by the catalog number as follows: B = bulletin, F = folder, FM = farm management, FS = fact sheet, MS = Minnesota plan sheet, P = pamphlet, ER = extension regional publication, MW PS = Midwest plan service, SP = special report.

Feeds and Feeding

B 218	Feeding the Dairy Herd
F 269	Thumb Rules for Dairy Cow Feeding
FS Dairy Hus 8	Calcium and Phosphorus for Dairy Cattle
F 292	Minnesota Dairy Ration Balancer
EF 354	NPN In the Dairy Ration
FS An Sci 22	Use of High-Moisture Corn for Dairy Cattle
FS Dairy Hus 7	Corn Silage in Dairy Cattle Rations
FS Agron 24	Determining Moisture Content of Forages
FS Agron 25	Sampling and Testing Forages for Feeding Value
F 297	Interpreting Forage Test Results
FS Dairy Hus 11	Feeding the Dry Cow
P 194	Crop Production Guide for Minnesota
SP 54	Using Drought-Stressed Corn
FS Agron 23	Date of Planting Corn
FS Agron 22	Selecting a Corn Hybrid

Reproduction

P 223	Nutrition and Reproductive Performance
P 224	Breeding Dairy Heifers
P 225	Records — Not Luck — For Good Reproductive Performance

P 227	Abortions and Calving Problems
P 228	Why Some Cows Don't Conceive

Calves and Youngstock

MS 149	30' x 44' Insulated Calf Barn with Individual and Group Pens
FS Dairy Hus 9	Using Colostrum to Raise Dairy Calves
FS Dairy Hus 10	Milk Replacer in Raising Dairy Calves
FS Dairy Hus 15	Portable Calf Hutch
F 313	Keeping Dairy Calves Healthy
FS Dairy Hus 18	Raising the Replacement Heifer

Milking Equipment and Milk Quality

F 216	You Can Control Mastitis
FS FSN4	To Produce Sediment-Free Milk
FS FSN7	Oxidized Flavors in Milk - Cause and Control
FS FSN9	Cleaning and Sanitizing on the Dairy Farm
FS FSN10	Bacteria in Milk
FS FSN11	Keep Your Bacteria Count Down
FS FSN12	Stainless Steel Corrosion
FS FSN16	Hydrolytic Rancidity - Cause and Control
FS FSN17	Handling Milk in Bulk
SP 9	Milkhouse and Milkroom Construction for Quality Milk Production
F 322	CMT, Your Tool for Detecting Subclinical Mastitis

Agricultural Economics

FS AE 13	Custom Rates in Southern Minnesota
*NCR 2	Income Tax Management for Farmers
*NCR 11	The Farm Corporation
*FM 220	Considerations in Forming a Farm Partnership
*FM 520	Dairy Herd Planning Guide
*FM 220 PFP	Pre-farm Partnership Arrangements
*NCR 41	Dairy Cow Leasing and Sharing Agreements
*Econ Rept ER77-8	1978 Agricultural Outlook

Agricultural Engineering

FS Ag Eng 17	Feedlot Regulations for the Poultry and Livestock Industries
FS Ag Eng 18	Home Insulation and Heat Loss
MS 128	How to Plan Your Dairy Barn Ventilation Systems
MS 131	Selecting and Constructing Upright Farm Silos
MS 132	How to Plan Your Stall Dairy Barn
MS 138	Free-Stall Housing for Dairy Cattle
MS 141	A 20' x 22' Milkhouse with Utility Room
MS 155	Manure Grate Design for Dairy Barns
MW PS 18	Livestock Waste Facilities Handbook-$2.50
MW PS 7	Dairy Housing and Equipment Handbook-$3.00
M 159 Ag Eng Series	Treatment and Disposal of Milkhouse and Milking Parlor Wastes

Other Dairy Publications

FS FSN3	Variations in the Butterfat Test — Cause and Control
F 346	Judging Dairy Cattle
FS Vet Sci 3	Summary of Health Regulations for Livestock and Poultry Shows
FS Dairy Hus 13	Fitting and Showing Dairy Cattle
FS Vet Sci 10	Milk Fever in Dairy Cattle
SP 52	Minnesota's Dairy Industry Present and Future
F 168	Using Manure as a Fertilizer
F 338	Use Your DHI Records

*Available from Dept. of Agricultural and Applied Economics Classroom Office Building University of Minnesota St. Paul, MN 55108.

SLIDE SETS AND FILMSTRIPS

Fitting, Training, and Showing Dairy Cattle.
A color filmstrip for both adults and youth to teach fitting and showing procedures and necessary equipment ($6.00) — NASCO

Pointers for Judging Registered Holsteins

A 51-color slide set with script showing the good and bad parts of dairy cattle to look for when judging. (Available on loan or may be purchased for $25.00) — Holstein-Friesian Ass'n of America, Brattleboro, VT 05301 or U. W. Extension Library, 104 Extension Building, University of Wisconsin, Madison, WI 53706

Raising Dairy Calves.
A color filmstrip on the correct procedures to use in care of calves, feeding and management procedures. ($6.00) — NASCO

Bloat Control.
A slide set and script which explains bloat and its control as well as the economics of alfalfa. — Smith Kline Animal Health Products, 1500 Spring Garden St., Philadelphia, PA 19101

AGRICULTURAL MOVIES — The following 16mm sound films are available on loan, free of charge, from the sources listed. Contact the sources as far in advance as possible.

Cremona, Italy, Holstein Show. An excellent 15-minute color film about U.S. registered Holsteins on exhi-

bit in Italy. It tells of the cattle being obtained in U.S., transporting them by boat, and being shown and sold in Italy. (Source: Holstein-Friesian Ass'n of America, Brattleboro, VT 05301. Two weeks notice requested.)

The Big Brown Cow. An outstanding 30-minute film on Brown Swiss Cattle. It tells the story of registered Swiss cows with good material on type, production, and management. (Source: The Brown Swiss Cattle Breeders' Ass'n, Beloit, WI 53511.)

A Matter of Breeding. A 28-minute sound, color educational film on techniques and benefits of A.I. produced by Carnation Farms Breeding Service. Available for showings to agricultural departments and breeders who may request prints from: Carnation Farms Breeding Service, Watertown, WI 53094.

Patent No. 2709416. Surge has produced this new 10-minute full-color film about modern milking. See the features of a pipeline milking unit and how pulsator location affects the milking action. (Source: Babson Bros. Co., 2100 S. York Rd., Oak Brook, IL 60521.)

Modern Mastitis Management. This 30-minute full-color film points out the need for a complete mastitis management program for dairymen. (Source: Tuco, Division of the Upjohn Co., Kalamazoo, MI 49001.)

Tomorrow is Today. This 21-minute full-color film promotes registered Holsteins. Excellent! (Source: Holstein-Friesian Ass'n of America, Extension Department, Box 808, Brattleboro, VT 05301. Six weeks notice requested.)

The World of Holstein-Friesian. A very good 15-minute full-color film showing all the details concerning the exporting of U.S. Holsteins to countries throughout the world. (Source: Holstein-Friesian Ass'n of America, Brattleboro, VT 05301. Four weeks notice requested.)

Horn and Teat Removal. A very good 10-minute black and white film showing correct methods of removing extra teats from calves and electric dehorning. (Source: Holstein-Friesian Ass'n of America, Brattleboro, VT 05301. Four weeks notice requested.)

World Dairy Expo. An excellent 19-minute color film shows highlights of the World Dairy Expo at Madison, Wisconsin. (Source: Your nearest Production Credit Association Office.)

Beef By the Acre. This 25-minute film shows the benefits of legume pasture and green chop of wheat pasture explained by dairy and beefmen; plus an explanation of bloat control via Bloat Guard. (Source: Smith Kline Animal Health Films, 933 Pacific Avenue, Kansas City, Kansas 66101.)

Making Your Cows Worth More: A 30-minute film of nationally noted dairy experts discussing eight steps to reaching full potential in correct milking. (Source: Babson Bros. Co., Oak Brook, Illinois 60521.)

The Day Milk Was Turned Off. An excellent 30-minute color-sound film tells the story of what might happen if the milk supply was suddenly turned off. A fantasy-dream scene that is superior! Good for all ages. (Source: National Dairy Council, Rosemont, IL 60018, or The Dairy Council of Wisconsin, 9898 West Blue Mound Road, Milwaukee, WI 53226).

MINNESOTA 4-H DAIRY AWARDS PROGRAM

County Awards. Four Medals of Honor are available from the National 4-H Service Committee for outstanding dairy project activity in each county.

District Awards. One youth is selected from each county to have his/her record** evaluated at the district level.

State Awards — National 4-H Congress. One youth from each district is chosen by record** submitted. District winners are interviewed and their records are evaluated to be chosen to represent Minnesota at the National 4-H Congress. Interviews will be done in June.

**This record should include:

- Lifetime summary on all 4-H project animals.
- Pictures that support project.
- Story that shows leadership responsibilities, the project growth, and also other activities.
- Members summary of dairy activity.
- Feed records on animals owned for at least one year.

H. B. Fuller-Monarch Division Scholarship. Scholarship is to be used to further the individual's education. Selection will be done in June. This scholarship goes to persons with a long-term dairy project involvement.

National Award. Educational scholarships of $600 each are presented to six national winners selected from the 36 sectional award winners.

For further information contact:
The 4-H Dairy Program
c/o The National 4-H Service Committee
150 North Wacker Drive
Chicago, Illinois 60606

National 4-H Dairy Conference. Each year 18 dairy project members in Minnesota receive expense-paid trips to the National 4-H Dairy Conference at the World Dairy Expo in Madison, Wisconsin.
Each county is given a quota based on the number of dairy project members who can be interviewed for the trip to Dairy Conference.

MILK PRODUCTION AWARDS AT DAIRY SHOWS

Another highly encouraged recognition is the awarding of ribbons and/or premiums based on milk production at the dairy show. This adds balance to the type confirmation aspects and emphasizes the production aspect of the dairy project.

A number of counties have adopted this award at their local fairs. Premiums vary, but usually are equal to the type confirmation award. Guidelines are:

- 10% above breed average — Blue
- 9% below to 9% above breed average — Red
- 10% below breed average — White

Records include DHI official, AM-PM, milk only, and owner-sampler. Some counties accept FFA or personnel milk weights. The DHI record should be completed

(as indicated by the computer code letter) 305 2X ME records. No partial or projected records should be used.

At State Fair, the same guidelines are used. The Minnesota ADA sponsored production awards (usually 20 to 30) are presented to cows only with official DHI completed records. The level of production varies from year to year but is 40 to 50 percent above breed average. In 1976, a production record over 19,000 lb. of milk was needed for a Holstein ADA award.

Each summer (usually June), Monthly Memos (the 4-H newsletter) contains the previous year's milk production average for counties to use.

Milk yield (not fat) is used as a basis since milk prices favor this component. Comparisons also are made within breeds.

Counties can decide if their milk production champions automatically receive a state fair trip. We have not encouraged this previous practice.

MINNESOTA DAIRY JUDGING PROGRAM

The philosophy of judging livestock has been debated widely on its educational aspects in youth programs. Below are some pros and cons. But let me add, a well managed livestock evaluation program cannot be beat for education, interest, and satisfaction derived.

Pros and Cons

POSITIVE ASPECTS

1. Direct values; opportunities for:
   a. Selecting top quality, correct "type" animals.
   b. Developing a skill for future use as a teacher, agent, or livestock producer.
   c. Youth development:
      - make decisions (place the class).
      - communicate (oral reasons).
      - think.
      - plan.
      - defend ideas.
   d. Appealing to some members (fun, social, competition).
   e. Visiting topnotch livestock operations, observe management, and hear philosophy.
2. Indirect values; opportunities for:
   a. Youth development
      - confidence
      - leadership
      - poise
      - sincerity
      - character
      - hard work
      - honesty
   b. Developing relationships with county livestock breeders and industry.
   c. Interaction between youth and adults.
   d. Adult training via 4-H member involvement.
   e. A visible program which is well supported by agri-business.

NEGATIVE ASPECTS

1. Overemphasis on winning (being #1).
2. Overemphasis on type only (productive aspects must be considered).
3. Cost.
4. Time.
5. Professionalism vs. educational aspects.

Getting the Job Done

1. Method of coaching (agent, dairy leader, combination).
2. Level of administration (family, club, or county).
3. Ages (junior, senior, mixed, or minimum).
4. Level of competition (county, district, or state).

Ten Commandments for Coaches

1. Communicate
2. Commitment
3. Planning
4. Teach First
5. Select Teachable Classes
6. Pair members Initially
7. Use Tools
8. Correct Mistakes
9. Confidence in the Coach
10. Team Appraoch

The county programs vary greatly from selecting four members to a complete summer workout program and competition. Many county fairs sponsor judging contests for members to compete in before the state contest.

The state contest is held the second Thursday of the Minnesota State Fair. In May an agent committee reviews and plans each year's event (suggestions should be forwarded to that designated group).

The state contest consists of (but can be changed by committed action):

- six classes of dairy cattle (five major dairy breeds represented)
- two sets of oral reasons
- one question class (sample page)
- one set of written reasons

Scoring is done via computer with reason takers selected on the basis of previous training. Judges are selected by the agent committee. The top team represents Minnesota at the national contest held at The World Dairy Expo, Madison, Wisconsin, in early October. The second place team may participate in a regional contest.

Materials Available

- Judging Dairy Cattle (1977), Extension Folder #346. Available from county office.
- Oral Evaluation of Dairy Cattle (3/4 inch television cassette tape in color, 22 minutes). Available from Extension Visual Aids, 442 Coffey Hall, 1420 Eckles Avenue, University of Minnesota, St. Paul, MN 55108.
- Judging Dairy Cattle Slide Set with script and cassette for a tape recorder. Available from Extension Visual Aids, 442 Coffey Hall, 1420 Eckles Avenue, University of Minnesota, St. Paul, MN 55108.

REASONS SCORING GUIDE (MFH 8/77)

Oral			Written	
Score	%	Characteristics	Score	Characteristics
Over 45	10	Excellent style and correct	Over 45	Well written, correct, & style
40 - 45	30	Style **and** Correct	40 - 45	Complete and correct
35 - 39	40	Style **or** Correct	30 - 39	Incomplete, not correct
30 - 34	10	No style & lies	25 - 29	Turned in, poorly written, incomplete, parts missing
25 - 29	10	Appears & tries		

Class _____

Official Placing _____ Cuts _____

Top Pair Key Points 1
2
3

Grants

Middle Pair Key Points 1
2
3

Grants

Bottom Pair Key Points 1
2
3

Grants

Place label here

Contest No. 1 Dairy Question Class

Class No. 04 Brown Swiss Cows

Directions: Write the number of the cow that most correctly answers each question.

_____ 1. Excels in dairy character; sharper and cleaner at the withers.

_____ 2. Lacks general appearance, not blending in the shoulder, low set, and high in the tail setting.

_____ 3. Narrow rear udder attachment.

_____ 4. Smoothest fore udder attachment (blends and level).

_____ 5. Lacks dairy character, especially in the withers, neck, and thigh regions.

_____ 6. Excels in bloom and capacity to the mammary gland.

_____ 7. Excels in width and height of rear udder and attachment.

_____ 8. Weakest topline, especially in the loin area.

_____ 9. Lacks definition to the suspensory ligament (flat udder floor).

_____ 10. Displays most general appearance, style, and blending of parts.

MINNESOTA DAIRY BREED ASSOCIATION YOUTH PROGRAMS

Holstein

LOCAL OR DISTRICT	DATES
Local Club Senior Boy and Girl Awards	Fall and winter, local clubs select due dates
Local Club Senior Boy and Girl Awards	Fall and winter, local clubs select due dates
Junior District Holstein Shows (held with District Senior Shows)	June and July

STATE

Madison Trip to Central National Show — August 1

- 1st week in October
- five junior members

State Distinguished Holstein Boy and Girl Awards — January 1

Awards

- Forum or report due to state Junior Activities Committee
- One boy and one girl honored
- Runners-up in each division recognized

Slides and Narratives on Dairy Youth Subjects — Any time of year

- Available at State Office, Hutchinson

- Topics: Preparing a State Distinguished Award Report.

Calf Selection

Others being produced in 1978

Speakers Directory on Dairy Youth Subjects — Any time of year

- A list of speakers who have agreed to make presentations in various dairy subject areas for youth groups
- Gives speaker's name, address, and subject area
- Must contact each speaker directly

State Junior Holstein Shows — July

- Open to any junior member exhibiting a purebred Holstein project at a District Show

Winter Retreat

- Workshop of fun and learning
- Usually held for 3 days between Christmas and New Year's
- Held at a Minnesota resort

Long Range Production Awards (30,000; 60,000; 90,000; and 120,000 lb which has a trophy) — March

- Grade and purebred eligible

Guernsey

LOCAL OR DISTRICT	DATES
District Meetings and Princess Selection	January
Twilight Meetings and District Parish Shows	June
Local Trophies and Awards at County Fairs	August
STATE	
Guernsey Calf Sale at University of Minnesota with a 10% Junior Discount	March
State Dairy Princess Contest	April
Lifetime Milk Production Awards (20,000; 40,000; 60,000 and 80,000 lb which has a trophy)	April

- Both grade and purebred eligible

Junior Premier Breeder Award — April

- Junior membership
- Grade or purebred cattle
- Animals registered in the junior's name only

State Picnic — July

Summer Youth Encampment — July

Scholarships — September

- Four $50 awards to the top four exhibitors at State Fair to attend the national show
- Animal registered in member's name only
- Member can attend twice as an exhibitor or once as a delegate

NATIONAL DAIRY BREED ASSOCIATION YOUTH PROGRAMS

Each breed has several awards, recognitions, and scholarships available. Contact the various breed offices for specific details and deadlines. Some require national membership.

AYRSHIRES — Ayrshire Youth Programs
c/o David Gibson, Jr.
Executive Secretary
Brandon, Vermont 05733

BROWN SWISS — Marvin L. Kruse, Executive Secretary, P.O. Box 1038
Beloit, Wisconsin 53511

GUERNSEY — Promotion Division
The American Guernsey Cattle Club
Peterborough, New Hampshire 03458

HOLSTEIN — Holstein Youth Programs
The Holstein-Friesian Association of America
P.O. Box 808
Brattleboro, Vermont 05301

JERSEY — Jersey Youth Program
The American Jersey Cattle Club
2105 J South Hamilton Road
Columbus, Ohio 43227

MILKING SHORTHORN — The Milking Shorthorn Youth Programs
The American Milking Shorthorn Society
313 South Glenstone Avenue
Springfield, Missouri 65802

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