


Dairy Cattle Management and Evaluation

		
Maximum Number of Team Members	4	
Number of Team Members Scored	4	
Scantron	Dairy Cattle – CDE# 105477	
Committee: Annie Erwin Tyler Butts Hattie DeBolt Jeremy Greene Chris VanDyne		

Contest results will be announced immediately following the tabulation activities. This is approximately 30-60 minutes following the time the last student presents his/her oral reasons.

Schools must provide a “bag” lunch for the contestants. It will handed to the students at the time they leave the arena to participate in the team activity and reasons.

The Dairy contest will consist of:

A. Materials student must provide: Each participant must have:

1. A clean, free of notes clipboard
2. Two sharpened No. 2 pencils
3. An electronic calculator. Calculators used in this event should be battery operated, nonprogrammable and silent with large keys and displays. Calculators should only have these functions: addition, subtraction, multiplication, division, equals, percent, square root, +/- key and one memory register. No other calculators are allowed to be used during the event.

B. Team Activity - Dairy Management Activity - 600 points

1. Each team will be provided with a dairy farm management scenario to identify problems and determine possible improvements. All necessary information will be provided. Teams should assume the role of a hired consultant advising a producer (judges). Teams will be given 40 minutes to prepare their recommendations to be presented to a panel of judges. It is not necessary to describe the scenario to the judges since they are the producer. Teams will be allowed 10 minutes to present their recommendations, followed by 5 minutes of clarifying questions from the judges.
2. The scenario will be based on the following rotating topic areas:
 - 2017: Feeds/Nutrition

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- 2018: Housing/Facilities
- 2019: Health/Diseases
- 2020: Genetics/Reproduction
- 2021: Young Stock Management

3. Each scenario may include animal welfare, biosecurity, business management, current issues, environmental management, and safety concerns related to the topic area.

C. Individual Activities

1. General Knowledge Exam - 150 points

1. The exam will consist of a 50 question exam involving dairy management practices and DHI records.
2. Forty questions will cover various dairy management and industry related topics.
3. Ten questions will be answered using a dairy herd record evaluation data sheet to analyze individual cows.
4. Appropriate information necessary to answer the DHI questions will be provided.
5. Participants will have 30 minutes to complete the exam.

2. Evaluation and Selection - 300 points

1. Six classes of four dairy animals will each be placed on type. Classes will be selected from the recognized breeds of dairy cattle. The class selection committee, however, shall give priority to selecting quality cattle in the breeds available and not be obligated to having all breeds represented in the evaluation classes. Classes will consist of heifers, young cows or mature cows.
2. Participants will be permitted to view the animals from all angles but will not be permitted to handle them.
3. The handlers/cattle will wear numbers which identify the animals.
4. Each class is worth 50 points maximum for a correct placing.
5. Participants will have 12 minutes to place each class. For classes on which oral reasons will be given, participants will be given 15 minutes.

3. Oral Reasons - 100 points

1. Oral reasons will be required on two classes. These classes will be designated by the event superintendent prior to the actual evaluation of the class.
2. Oral reasons will be given in another location immediately following the evaluation classes.
3. Participants may not use notes during delivery of reasons. Points will be deducted for the use of notes.
4. Each class is worth 50 points maximum for each set of reasons.
5. Participants will have 12 minutes to prepare each set of oral reasons.

NOTE: All team activity answers must be placed on the scantron of team member #1.

THE SEVEN BREEDS



Ayrshire



Brown Swiss



Guernsey



Red & White



Holstein



Jersey



Milking Shorthorn

BREED CHARACTERISTICS

Except for differences in color, size, and head character, all breeds are judged on the same standards as outlined in the Unified Score Card. If any animal is registered by one of the dairy breed associations, no discrimination against color or color pattern is to be made.

Ayrshire Strong and robust, showing constitution and vigor, symmetry, style and balance throughout, and characterized by strongly attached, evenly balanced, well-shaped udder.

HEAD- clean cut, proportionate to body, broad muzzle with large, open nostrils; strong jaw; large, bright eyes; forehead, broad and moderately dished; bridge of nose straight; ears medium size and alertly carried.

COLOR- light to deep cherry red, mahogany, brown, or a combination of any of these colors with white, or white alone, distinctive red and white markings preferred.

SIZE- a mature cow in milk should weigh at least 1200 lbs.

Brown Swiss Strong and vigorous, but not coarse. Adequate size with dairy quality. Frailness undesirable.

HEAD- clean cut, proportionate to body, broad muzzle with large, open nostrils; strong jaw; large, bright eyes; forehead, broad and slightly dished; bridge of nose straight; ears medium size and alertly carried.

COLOR- body and switch solid brown varying from very light to dark; muzzle has black nose encircled by a white ring; tongue and hooves are dark brown to black.

SIZE- a mature cow in milk should weigh at least 1400 lbs.

Guernsey Strength and balance, with quality and character desired.

HEAD- clean cut, proportionate to body; broad muzzle with large, open nostrils; strong jaw; large, bright eyes; forehead, broad and slightly dished; bridge of nose straight; ears medium size and alertly carried.

COLOR- shade of fawn and white markings throughout clearly defined.

SIZE- a mature cow in milk should weigh 1200-1300 lbs.; Guernsey does not discriminate for lack of size.

FACTORS TO BE EVALUATED

The degree of discrimination assigned to each defect is related to its function and heredity. The evaluation of the defect shall be determined by the breeder, the classifier or judge, based on the guide for discrimination and disqualifications given below.

HORNS

No discrimination for horns.

EYES

1. Blindness in one eye: *Slight discrimination.*
2. Cross or bulging eyes: *Slight discrimination.*
3. Evidence of blindness: *Slight to serious discrimination.*
4. Total blindness: *Disqualification.*

WRY FACE

Slight to serious discrimination.

CROPPED EARS

Slight discrimination.

PARROT JAW

Slight to serious discrimination.

SHOULDERS

Winged: *Slight to serious discrimination.*

CAPPED HIP

No discrimination unless affects mobility.

TAIL SETTING

Why tail or other abnormal tail settings: *Slight to serious discrimination.*

LEGS AND FEET

1. Lameness- apparently permanent and interfering with normal function: *Disqualification.*
- Lameness- apparently temporary and not affecting normal function: *Slight discrimination.*
2. Evidence of crampy hind legs: *Serious discrimination.*
3. Evidence of fluid in hocks: *Slight discrimination.*
4. Weak pastern: *Slight to serious discrimination.*
5. Toe out: *Slight discrimination.*

UDDER

1. Lack of defined halving: *Slight to serious discrimination.*
2. Udder definitely broken away in attachment: *Serious discrimination.*
3. A weak udder attachment: *Slight to serious discrimination.*
4. Blind quarter: *Disqualification.*
5. One or more light quarters, hard spots in udder, obstruction in teat (spider): *Slight to serious discrimination.*

Red & White Rugged, feminine qualities in an alert cow possessing adequate size and vigor.

HEAD- clean cut, proportionate to body, broad muzzle with large, open nostrils; strong jaw; large, bright eyes; forehead, broad and slightly dished; bridge of nose straight; ears medium size and alertly carried.

COLOR- must be clearly defined red and white; black-red and brindle is strictly prohibited.

SIZE- a mature cow in milk should weigh at least 1400 lbs. and be well balanced.

Holstein Rugged, feminine qualities in an alert cow possessing Holstein size and vigor.

HEAD- clean cut, proportionate to body, broad muzzle with large, open nostrils; strong jaw; large, bright eyes; forehead, broad and moderately dished; bridge of nose straight; ears medium size and alertly carried.

COLOR- black and white or red and white markings clearly defined.

SIZE- a mature cow in milk should weigh at least 1400 lbs.

UDDER- equal emphasis is placed on fore and rear udder (7 points each), all other traits are the same as listed on the PDCA scorecard.

Jersey Sharpness with strength indicating productive efficiency.

HEAD- proportionate to stature showing refinement and well chiseled bone structure. Face slightly dished with dark eyes that are well set.

COLOR- some shade of fawn with or without white markings; muzzle is black encircled by a light colored ring; switch may be either black or white.

SIZE- a mature cow in milk should weigh at least 1000 lbs.

Milking Shorthorn Strong and vigorous, but not coarse.

HEAD- clean cut, proportionate to body; broad muzzle with large, open nostrils; strong jaw; large, bright eyes; forehead, broad and slightly dished; bridge of nose straight; ears medium size and alertly carried.

COLOR- red or white or any combination (no black markings allowed).

SIZE- a mature cow in milk should weigh 1400 lbs.

6. Side leak: *Slight discrimination.*

7. Abnormal milk (bloody, clotted, watery): *Possible discrimination.*

LACK OF ADEQUATE SIZE

Slight to serious discrimination. (Note: Guernsey does not discriminate for lack of size.)

EVIDENCE OF SHARP PRACTICE

(Refer to PDCA Code of Ethics)

1. Animals showing signs of having been tampered with to conceal faults in conformation and to misrepresent the animal's soundness: *Disqualification.*
2. Uncalved heifers showing evidence of having been milked: *Slight to serious discrimination.*

TEMPORARY OR MINOR INJURIES

Blemishes or injuries of a temporary character not affecting animal's usefulness: *Slight to serious discrimination.*

OVERCONDITIONED

Slight to serious discrimination.

FREE-MARTIN HEIFERS

Disqualification.

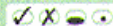
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DAIRY CATTLE

CDE# 105477

Incorrect Marks Correct Mark



Team Name

This sheet is for demonstration and practice only. You must use a real scan sheet for actual competition.

Team Number	State	Last Name	First Name	Placing Classes	
				Place	Class
					1 2 3 4 5 6 7 8 9
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	M	M M M M M M M M M M M M	M M M M M M M M	14	3 1 4 2
	N	N N N N N N N N N N N N	N N N N N N N N	15	3 2 1 4
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	Q	Q Q Q Q Q Q Q Q Q Q Q Q	Q Q Q Q Q Q Q Q	18	3 4 2 1
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	S	S S S S S S S S S S S S	S S S S S S S S	20	4 1 3 2
	T	T T T T T T T T T T T T	T T T T T T T T	21	4 2 1 3
	U	U U U U U U U U U U U U	U U U U U U U U	22	4 2 3 1
	V	V V V V V V V V V V V V	V V V V V V V V	23	4 3 1 2
	W	W W W W W W W W W W W W	W W W W W W W W	24	4 3 2 1
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	Z	Z Z Z Z Z Z Z Z Z Z Z Z	Z Z Z Z Z Z Z Z		

Herd Record (Judge)												
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Linear Evaluation Classes															Written Exam									
		Form			Rump		Legs & Feet			Udder				Teats										
		Stature	Strength	Body Depth	Dairy Form	Rump Angle	Thurl Width	Side View Rear Legs	Foot Angle	Fore Udder Attachment	Rear Udder Height	Rear Udder Width	Udder Cleft	Udder Depth	Front Teat Placement	Teat Length								
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Reasons		
Class 15	Class 16	Class 17
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