

# DAIRY CATTLE

## **Purpose**

The purpose of the State Dairy Cattle CDE is to enable students to develop skills in dairy animal selection and dairy herd management. Students should also learn to be able to evaluate the strengths and weaknesses of dairy animals and be able to communicate their assessment to others.

## **Objectives**

Students participating in the State Dairy Cattle CDE should be able to:

- I. Evaluate and rank dairy animals based on visual factors of selection.
- II. Orally communicate their assessment of the rankings of a class of four dairy animals.
- III. Identify factors to consider in selecting superior dairy heifers and cows.

### Crosswalk with Show-Me Standards

Objectives – Students participating in the Career Development Event should be able to:		Show-Me Standards	
		Knowledge Standards (Content Areas)	Performance Standards (Goals)
1.	Evaluate and rank dairy animals based on visual factors of selection.	CA.1, CA.4, CA.5, CA.6  SC.3	1.5, 1.8
2.	Orally communicate their assessment of the rankings of a class of four dairy animals.		2.1, 2.2
3.	Identify factors to consider in selecting superior dairy heifers and cows.		3.1, 3.5 4.1, 4.4, 4.8

Corresponding Secondary Agriculture Curriculum			
Course and/or Curriculum:	Agricultural Science I	Unit(s):	Introduction to Dairy Production
	Animal Science		Unit II – Genetics Unit III – Reproduction
	Advanced Livestock Production and Management		Unit III – Selection Unit IX - Herd/Flock Management

## Event Format

1. The Dairy Cattle Evaluation CDE shall consist of the following components:
  - A. Live Animal Evaluation
  - B. Oral Reasons
  - C. Dairy Management Written Exam
2. Contestants will judge five (5) classes of animals selected from the major dairy breeds. Only the final placing will be scored. No more than two (2) of the five (5) classes to be judged will be heifers. Classes will be selected by the State Dairy Cattle CDE Superintendent.
3. Four (4) animals shall constitute a class. Animals will be identified by the numerals 1, 2, 3, or 4.
4. Contestants will be allowed 12 minutes to evaluate and place each class.
5. For reasons classes, an additional **four (4)** minutes will be allowed for contestants to take notes. The notes may be used to prepare for each contestant's oral reasons presentation, but may not be referred to when presenting reasons to the official judge. Reasons takers should not give any critique/comments to contestants.
6. Each team member will present oral reasons on at least two classes. The reasons presentation will be limited to two minutes per class.
7. A Dairy Management Written Test will consist of 50 questions involving dairy management practices. This section will be worth 100 points. Students will have a minimum of 30 minutes to complete the test.

## Event Scoring

Events	Points
Judging 5 classes of animals (50 points each)	250 points
Oral Reasons (Minimum of 2 sets @ 50 points each)	100 points
Dairy Management Written Test (50 questions @ 2 points each)	100 points
<b>TOTAL</b>	<b>450</b>

1. **Tie scores among teams should be broken using the high individual team member's score.** In case the scores are tied, the scores of the second high individual on each team should be used.

## **Event Rules and Regulations**

1. Contestants shall not place their hands upon the animals at any time while the animals are in the ring.
2. Each class to be judged will be selected by the State CDE Superintendent.
3. No contestant or teacher will be permitted to inspect the dairy cattle selected for the event prior to the event.
4. Contestants will not be allowed to communicate with one another. Infractions of this rule will be cause for elimination or a point penalty at the superintendent's discretion.
5. All teachers, coaches, alternates, and other persons, with the exception of the CDE Superintendent and designated assistants and judges, are not permitted in the Livestock Center while the event is in progress.
6. After the end of the event, the judge's official placing on all classes will be given and discussion allowed. Contestants, teachers, and others who are interested are encouraged to attend.
7. Each placing and reasons class will be scored on the basis of 50 points for a perfect score. The written test will be worth 100 points.
8. Official placing will be based on the dairy cow unified scorecard revised in 2009.
9. Contestants may use steno-pads, however, these must be clean and not written on prior to the state CDE.

## References

### **Written Test:**

Advanced Livestock Production & Management (Instructor and Student Reference). IML – Available on the DESE Ag Ed website under the Animal Science Curriculum tab.

Introduction to Dairy Production 10-4101-1, Aug. 1997 (Instructor and Student Reference). IML – Available on the DESE Ag Ed website under the Animal Science Curriculum tab

Modern Livestock & Poultry Production – Section 9, Chapters 39-46, Delmar Cengage Learning,  
Available at : <https://www.cengage.com/c/modern-livestock-poultry-production-9e-flanders/9781133283508PF/>

### **Live Judging & Reasons Resources:**

“Dairy Cattle Judging Made Easy Interactive CD”, Babcock Institute, 2004.

Hoards.com <http://hoards.com/article-3340-Dairy-Cattle-Judging-Made-Easy-CD.html>

## Forms

See Appendix A: Unified Dairy Cow Scorecard