

# SCOUTMASTER BUCKY

## DAIRYING OPTION - Animal Science Merit Badge

### ANIMAL SCIENCE MERIT BADGE WORKBOOK

#### DAIRYING OPTION

##### DAIRYING OPTION REQUIREMENT 6a:

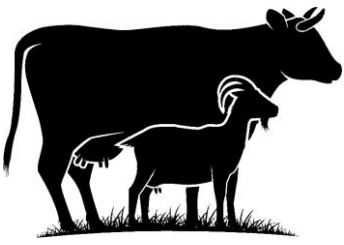
Tell how a cow or a goat converts forage and grain into milk.

Notes:

##### DAIRYING OPTION REQUIREMENT 6a:

Explain the differences in feeds typically used for dairy cows versus those fed to beef cows.

Notes:



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### DAIRYING OPTION REQUIREMENT 6b:

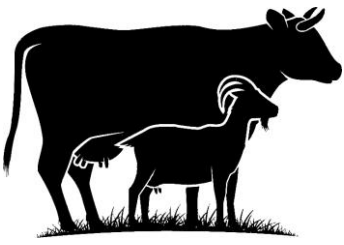
Make a chart showing the components in cow's milk or goat's milk. Chart the amount of each component.

Cow / Goat Milk Chart		
Percentage	Component	Notes

### DAIRYING OPTION REQUIREMENT 6c:

Explain the requirements for producing grade A milk.

Notes:



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**DAIRYING OPTION  
REQUIREMENT 6c:**

Tell how and why milk is pasteurized.

Notes:

**DAIRYING OPTION  
REQUIREMENT 6d:**

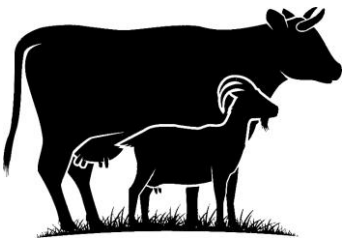
Tell about the kinds of equipment used for milking.

Notes:

**DAIRYING OPTION  
REQUIREMENT 6d:**

Tell about the sanitation standards that must be met on dairy farms.

Notes:



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**DAIRYING OPTION  
REQUIREMENT 6e:**

Define the following terms: bull, cow, steer, heifer, springer; buck, doe, kid.

**bull:**

**cow:**

**steer:**

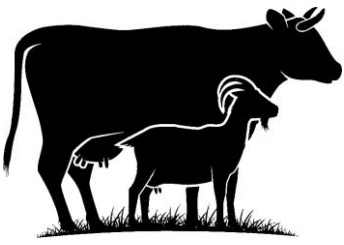
**heifer:**

**springer:**

**buck:**

**doe:**

**kid:**



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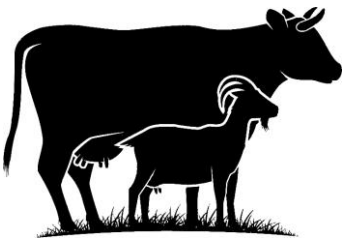
**DAIRYING OPTION REQUIREMENT 6f:** Visit a dairy farm or a milk processing plant.

Dairy Farm / Milk Processing Plant Name and Location:

Person's Name and Position that you spoke with:

**DAIRYING OPTION REQUIREMENT 6f:** Describe what you saw and explain what you learned.

Notes:



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### DAIRYING OPTION REQUIREMENT 6f:

If you cannot visit a dairy farm or processing plant, view a video from a breed or dairy association, or research the internet (with your parent's permission) for information on dairying. Tell about your findings.

*Parent's Signature indicates:*

*Scout does not have the opportunity to visit a dairy farm or milk processing plant  
and  
the online resources below have been approved by the Scout's parent*

Breed / Dairy Association Video(s) / Website(s) selected:

\_\_\_\_\_  
Parent's Name

\_\_\_\_\_  
Phone

\_\_\_\_\_  
Parent's Signature

\_\_\_\_\_  
Date

approved

Notes: