

Dairy 2007 Animal Assessments Collection Record



National Animal Health
Monitoring System

2150 Centre Ave Bldg B
Fort Collins, CO 80526

Form Approved
OMB Number 0579-0205
Approval expires: 4/30/10

State FIPS:	Operation #:	Collector:	Date:
<p>How many people in each category helped with any part of these assessments? _____ Fed VMO _____ Fed AHT _____ State Gov't _____ Producer _____ Other (specify in margin)</p> <p>Including everyone's time, how many minutes did it take to conduct the</p> <p>Heifer Calf Growth Assessment? _____ minutes (if not done, check here _____)</p> <p>Cow Comfort Assessment? _____ minutes (if not done, check here _____)</p> <p>Hygiene and Hock Scoring? _____ minutes (if not done, check here _____)</p>			



This portion of the NAHMS Dairy '07 survey consists of several assessments for calf growth, animal health, and cow comfort.

You will complete the following pages. The results of this data collection will be summarized in a Producer report that will provide a measure of health and comfort of the cow and may highlight aspects of the cows' environment that can be modified to improve cow health and comfort. The calf growth assessment will provide a measure of preweaning nutrition and a comparison for calves of the same age can be made to industry recommendations.

This Animal Assessments Collection Record consists of the following:

Heifer Calf Growth Assessment

Up to 30 heifer calves will be measured using a calf weight / growth tape.

Cow Comfort Assessment

Questions regarding fresh cow housing areas and measurements will be recorded and assessed. Ideally complete approximately 2 hours prior to milking.

Hygiene and Hock Scoring

The hygiene of udder, legs, and flanks and the condition of hocks will be scored on a maximum of 100 cows.

Do the Assessments in this order for biosecurity in the calf area.

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0205. The time required to complete this information collection is estimated to average 1.5 hours per response, including the time to review instructions, search existing data resources, gather the data needed, and complete and review the information collected.

**NAHMS-193
JAN 2007**

State/Farm ID: _____

This page left intentionally blank.

State/Farm ID: _____

Dairy 2007 – Heifer Calf Growth Assessment



NOTE: Do the Heifer Calf Blood Sampling while in the calf area to maintain biosecurity.

Measure a maximum of 30 preweaned calves; 10 in each of the following age groups: 1-30 days 31-60 days 61 days to weaning

- 1) Record the Sample ID, Breed, and Birth Date on the form.
- 2) Using the weight tape, estimate and record the weight (pounds) and the heart girth (inches).
- 3) Using the weight tape, estimate the wither height (inches).
- 4) Score a maximum of 10 calves in each age category.

Calves 1 – 30 Days of Age					
Calf ID	Breed 1=Holstein, 2=Jersey 3=Guernsey, 4=Brown Swiss, 5=Other (specify)	Birth Date (MM/DD/YY)	Weight (From tape) (Pounds)	Heart Girth (Inches)	Wither Height (Inches)

Leave the weight tape with the Producer.

REST OF CHARTS ON BACK

Dairy 2007 – Cow Comfort Assessment



Determine the housing area for the majority of FRESH cows and complete the ONE questionnaire for that type Freestall/Drylot/Multiple-animal OR Tie Stall/Stanchion/Individual animal

Freestall / Drylot / Multiple-animal pen

This questionnaire refers to the building or area that houses the majority of FRESH cows.

This questionnaire is designed to be completed approximately 2 hours before milking.

Please attempt to complete Questions 1-14 before disturbing the cows.

1. Which of the following best describes the building / area: *(Check one only.)*
₁ Freestall Barn ₂ Drylot ₃ Other multiple animal area (specify: _____)
2. In what year was the building / area constructed? _____ year
3. How many hours from now will the fresh / lactating cows be milked?..... _____ hours
4. How many hours since the fresh / lactating cows were fed?..... _____ hours
5. What percent of the feed bunk has feed that is easily accessible by cows? *(Check one only.)*
₁ Less than 5% ₂ 5%-25% ₃ 26-75% ₄ greater then 75%
6. How many cows are housed in the pen or area being assessed today? _____ cows
7. What is the maximum number of cows housed in this pen / area? _____ cows
8. What is the average number of cows housed in this pen / area?..... _____ cows
9. How many headlocks are in the pen? _____ headlocks

If Freestall barn, Skip to Question 11

10. How many cows are currently lying in the pen? _____ cows

If drylot or other pen without freestalls, Skip to Question 15

11. How many cows are currently contacting a stall?
(includes lying or touching with two or more hooves)..... _____ cows
12. How many cows are currently perching (front two hooves touching stall) in a stall? .. _____ cows
13. How many cows are currently standing (all hooves touching stall base) in a stall?.... _____ cows
14. How many cows are currently lying in a stall?..... _____ cows

Question 11 should equal the sum of Questions 12 – 14

15. What is the total bunk space (in feet)? _____ feet
16. What is the length of the pen (in feet) (may be the same as Question 15)? _____ feet
17. What is the width of the pen (in feet)? _____ feet
18. Which of the following best describes the surface (stall base – under the bedding) of the pen / stall where cows lie:
(Check one only.)
₁ Concrete ₂ Dirt ₃ Rubber mat

State/Farm ID: _____

₄ Mattress ₅ Waterbed ₆ Other (specify: _____)

19. What bedding is present in the stalls / pen today? (Check one only.)

- ₁ Straw ₄ Coarse Sand ₇ Shredded newspaper
- ₂ Sawdust ₅ Composted manure ₈ Other (specify: _____)
- ₃ Fine Sand ₆ Dried manure ₉ None

20. How frequently is new bedding added (days)?..... _____ days

21. How many days since new bedding was added?..... _____ days

22. Which of the following best describes the bedding quantity / stall condition in the majority of stalls / pen?

- ₁ Stall / pen base not exposed, bedding level with curb
- ₂ Stall / pen base not exposed, but bedding slightly dished out
- ₃ Stall / pen base is exposed (50% or less)
- ₄ Stall / pen base is mostly exposed (over 50% exposed)
- ₅ No bedding present
- ₆ Other (specify: _____)

23. How many of the following types of water sources are available in the pen?

- a. Individual cow cups or bowls #
- b. Water troughs or tanks #
- c. Other Specify _____) #

If building is not a freestall barn, Questionnaire completed!

24. How many stalls are present in the pen? stalls

See the diagram outlining the stall measurements on the next page

25. Measure the width of the curb (in inches)?..... inches

26. Measure the height of the curb (in inches) from the alleyway surface? inches

27. Measure the width (in inches) (inside edge of loop) of 4 representative stalls:

1. _____ inches 2. _____ inches 3. _____ inches 4. _____ inches

28. Is a neck rail present?..... ₁ Yes ₃ No

If Question 28='NO', skip to Question 32

29. Is the neck rail stationary?..... ₁ Yes ₃ No

30. Measure the distance (in inches) from the back edge of the neck rail to the rear of the curb for 4 representative stalls?

1. _____ inches 2. _____ inches 3. _____ inches 4. _____ inches

31. Measure the distance (in inches) from the lower edge of the neck rail to the bedding surface for 4 representative stalls?

1. _____ inches 2. _____ inches 3. _____ inches 4. _____ inches

32. Is a brisket locator (board) present?..... ₁ Yes ₃ No

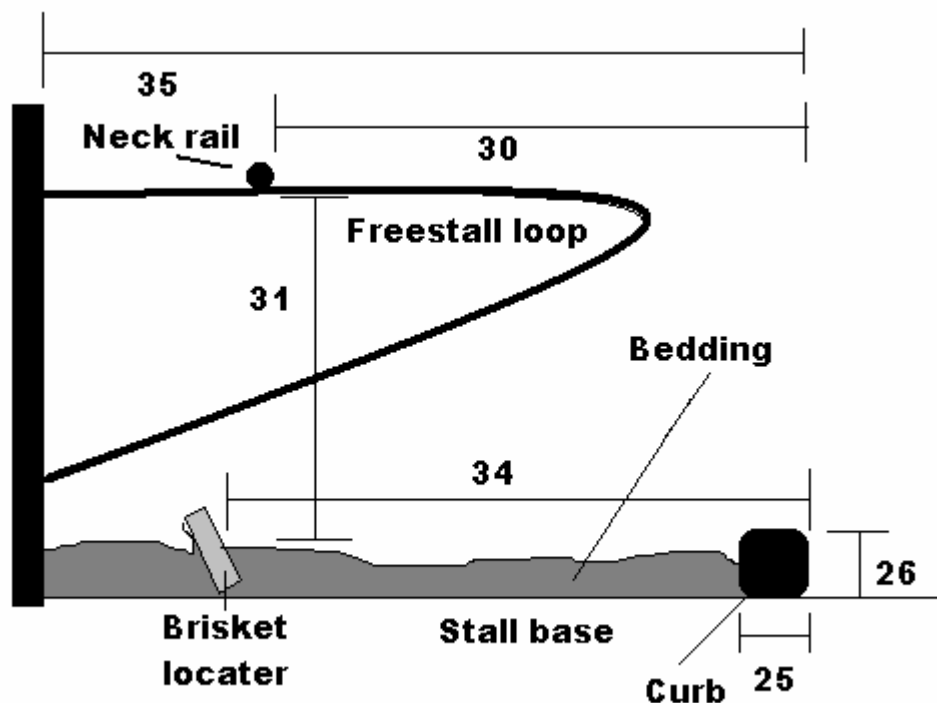
If Question 32='NO', skip to Question 35

State/Farm ID: _____

33. What type of material is the brisket locator?
- ₁ Concrete
 - ₂ Wood
 - ₃ PVC pipe
 - ₄ Other (specify: _____)
34. Measure the distance (in inches) from the back edge of the brisket locator to the rear of the curb for 4 representative stalls?
1. _____ inches 2. _____ inches 3. _____ inches 4. _____ inches
35. What is the length (in inches) from rear of curb to front of lunge space (post, etc where the loops attach) for 4 representative stalls?
1. _____ inches 2. _____ inches 3. _____ inches 4. _____ inches
36. Is there a barrier in the front of the stall that restricts lunge space? ₁ Yes ₃ No
- If Question 36='NO', Questionnaire completed!***
37. What type of barrier is present that restricts the front lunge space?
- ₁ Concrete
 - ₂ Wood
 - ₃ Cable
 - ₄ Other (specify: _____)

End of Freestall /Drylot / Multiple-animal Pen Questionnaire

Freestall Diagram



State/Farm ID: _____

This page left intentionally blank.

State/Farm ID: _____

- 15. What is the average bunk space (in inches)?..... _____ inches
- 16. Measure (on center) the **width** of 4 representative stalls / pens and record in inches:
1. _____ inches 2. _____ inches 3. _____ inches 4. _____ inches
- 17. Measure the **length** of 4 representative stalls / pens and record in inches:
1. _____ inches 2. _____ inches 3. _____ inches 4. _____ inches

If an individual animal pen, questionnaire completed!

- 18. Does this operation use gutter grates? ₁ Yes ₃ No
If Yes, what percent of stalls have a gutter grate behind them? %
- 19. Does this operation use cow trainers?..... ₁ Yes ₃ No

If Question 19='No', questionnaire completed!

- 20. Is the trainer centered over the spine of the majority of cows? ₁ Yes ₃ No
- 21. Measure the **distance** from the gutter to the point on the bed directly below the electric trainer for **4** representative stalls and record in inches:
1. _____ inches 2. _____ inches 3. _____ inches 4. _____ inches
- 22. Measure the **height** of the trainer in **4** representative stalls and record in inches:
1. _____ inches 2. _____ inches 3. _____ inches 4. _____ inches
- 23. Measure the **distance** between the trainer and the cows back in **4** representative stalls and record in inches:
1. _____ inches 2. _____ inches 3. _____ inches 4. _____ inches
- 24. Measure the **distance** from the gutter to the point on the bed directly below the milk line for **4** representative stalls and record in inches:
1. _____ inches 2. _____ inches 3. _____ inches 4. _____ inches

End of Tie Stall / Stanchion / Individual-animal Pen Questionnaire

Dairy 2007 – Hygiene and Hock Scoring



Using the charts on the back of this page, score the legs, udders, flank, and hocks of a maximum of 100 cows making a tick mark for each as you go through the pen.

- ✓ If less than 100 cows on dairy, score all cows
- ✓ Score 25% of larger herds up to a maximum of 100 cows within 3-4 pens.

Pen: 14		
SCORE	Hygiene Scores	Hock Scores
1		
Total	15	15
2		
Total	10	15
3		
Total	5	0

Record the highest score for each cow. Example, if a cow scores a 2 on one side and a 3 on the other, record the 3.

<p>Hygiene scoring evaluates udder, legs and flank.</p> <p>1 – Little or no manure present</p> <p>2 – Minor amounts of manure present</p> <p>3 – Moderate / large amounts of manure present</p>	<p>Hock scoring will hock area.</p> <p>1 – No swelling or hair loss (no lesion)</p> <p>2 – Hair loss, but no evidence of swelling (mild lesion)</p> <p>3 – Swelling and /or ulceration (severe lesion)</p>
--	---

Charts on back

State/Farm ID: _____

Total Scores	Hygiene Scores	Hock Scores
1		
2		
3		
Total		

← Complete this Total Score Box

Pen:			Pen:		
SCORE	Hygiene Scores	Hock Scores	SCORE	Hygiene Scores	Hock Scores
1			1		
Total			Total		
2			2		
Total			Total		
3			3		
Total			Total		

Pen:			Pen:		
SCORE	Hygiene Scores	Hock Scores	SCORE	Hygiene Scores	Hock Scores
1			1		
Total			Total		
2			2		
Total			Total		
3			3		
Total			Total		