

# Euthanasia and Management of Downer Cows on Farm

Online Survey (March 2019)

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## Euthanasia and Management of Downer Cows on Farm

Survey of practices and challenges associated with euthanasia and management of downer cows on farm

The goal of this survey is to make an inventory of the practices used on farm to euthanize and manage downers and identify challenges producers face. Our aim is to assemble an overall and representative picture of current practices in order to better support producers in managing these difficult cases. Your responses to this survey will be used to develop and propose methods and tools designed to meet producers' needs and facilitate the implementation of these practices on farms.

This survey is the product of a collaborative project involving producer organizations, dairy industry partners and universities, and is co-ordinated by the faculty of veterinary medicine at Université de Montréal.

Funding for this project is provided by Dairy Farmers of Canada, Les Producteurs de lait du Québec and Dairy Farmers of Ontario.

This survey is intended for owners of the dairy farm. The survey has 45 questions and should take about 25 minutes to complete.

Your participation is voluntary. By completing this survey, you consent to participate. All responses will be kept confidential and will be compiled confidentially.

### **DIRECTIVES:**

Please answer all questions;

Please select "Does not apply" if the question is not relevant to your situation;

Please select "Prefer not to answer" if you would rather not answer the question;

In some cases, please give the approximate value that best reflects your reality;

Two spaces are provided in the survey if you wish to make any comments;

Please submit the questionnaire by clicking on the DONE button at the end of the survey;

You may go forward or backward at any time by clicking on the NEXT or PREV. button at the bottom of the page.

## Euthanasia and Management of Downer Cows on Farm

### SECTION 1 - GENERAL CHARACTERISTICS OF THE DAIRY OPERATION AND THE RESPONDENT

#### **Some useful definitions for this section:**

**Calf:** A calf from birth to weaning.

**Replacement animal:** A post-weaned heifer or yearling heifer, pregnant or not, that has not yet calved.

**Dairy cow:** All cows that have already calved, including both dry and lactating cows.

1. In which Canadian province is your dairy operation located?

- British Columbia
- Alberta
- Saskatchewan
- Manitoba
- Ontario
- Quebec
- New Brunswick
- Nova Scotia
- Prince Edward Island
- Newfoundland & Labrador

2. What is the main housing system used for your lactating cows? (more than 75% of cows)

- Tiestall housing
- Freestall housing
- Loose housing
- Other type of housing (Please specify)

3. How many kilograms of quota do you currently hold?

- Less than 50 kg
- 51 to 75 kg
- 76 to 100 kg
- 101 to 125 kg
- 126 to 150 kg
- More than 150 kg

4. What is the most common dairy breed in your operation? (over 75% of cows)

- Holstein
- Ayrshire
- Jersey
- Suisse brune
- Other (Please specify)

5. Complete the table below indicating the average monthly number of calves, replacement animals and dairy cows owned by your dairy operation over the past 12 months.

Calves

Replacement animals

Dairy cows

6. How many people (full-time equivalent), other than yourself, work on your farm?

- 0
- 1
- 2
- 3
- 4
- 5 and more

7. I am:

- Woman
- Man
- Prefer not to answer

8. How old are you?

- Less than 25
- 26 to 35
- 36 to 45
- 46 to 55
- 56 to 65
- Over 65
- Prefer not to answer

## Euthanasia and Management of Downer Cows on Farm

### SECTION 2 - GENERAL INFORMATION CONCERNING EUTHANASIA OF ANIMALS

**Some useful definitions for this section:**

**Euthanasia:** The termination of an animal's life using a method that minimizes the pain and distress associated with the procedure.

**Deadstock service:** Private business that salvages livestock carcasses.

**Ambulatory cattle:** Animals, lame or not, that are able to move on their own or with little assistance.

**Downer cow:** Animals that are no longer able to stand or move on their own.

9. How many animals of each group died **without being euthanized** on your farm over the past 12 months (ie: accidents, stillborn, sudden death, death following several days of declining health, etc.)

Calves

Replacement animals

Dairy cows

\* 10. How many animals in each of the following groups were euthanized on your farm over the past 12 months? (Please check ONE box for EACH animal group or for EACH row)

	None	Between 1 and 4	Between 5 and 9	10 and more	I don't know
Calves	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Replacement animals	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Dairy cows	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

\* 11. How often did the following types of people make the **final decision** to euthanize a dairy animal on your farm? (Please check ONE box for EACH type of person or for EACH row)

	Never	Rarely	Sometimes	Often	Almost always	Does not apply
One of the owners	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
One or several employees	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Veterinarian	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Another person	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Please specify the role of that person?

\* 12. How often were the following types of person **tasked with euthanizing** a dairy animal on your farm?  
 (Please check ONE box for EACH type of person or for EACH row)

	Never	Rarely	Sometimes	Often	Almost always	Does not apply
One of the owners	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
One of several employees	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Veterinarian	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Deadstock service	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Another person	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Please specify the role of that person?

13. Over the past 12 months, how often were dairy animals on your farm examined by a veterinarian before being euthanized?

- Never
- Rarely
- Sometimes
- Often
- Always almost
- Does not apply (no cattle were euthanized)

If you answered NEVER or RARELY, please specify the main reason:

14. With regard to animal mobility **prior to euthanasia on the farm**, please indicate which situation most often applies (more than 75% of cases) for each of the following groups of cattle: (Please check ONE box for EACH group of cattle or for EACH column)

	Ambulatory cattle with NO signs of lameness	Ambulatory cattle EXHIBITING signs of lameness	Downer cows
We <b>don't move</b> the animal before euthanasia	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
We <b>move</b> the animal to another <b>location in</b> the building	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
We <b>move</b> the animal to another <b>location outside</b> the building	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Does not apply (no cattle were euthanized)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>





## Euthanasia and Management of Downer Cows on Farm

### SECTION 3 - USE OF DECISION TREES, DIFFERENT EUTHANASIA METHODS, AND EUTHANASIA TRAINING FOR STAFF

#### **Some useful definitions for this section:**

**Deadstock service: private business that salvages livestock carcasses.**

15. Do you use **decision trees or diagrams** to guide your decision-making with regard to euthanizing your animals?

- Yes
- No
- I'm not sure if we use a decision tree or diagrams to guide us

16. Does your operation have a **written document** describing the method of euthanasia (**step by step**) to be used to euthanize cattle on your farm?

- Yes
- No
- I'm not sure if we have a written document describing our method of euthanasia

17. Excluding the veterinarian and deadstock service provider, have personnel on your farm who are responsible for euthanizing cattle received prior training on the subject?

- Yes, all the people tasked with euthanizing animals have received training
- Yes, at least one of the people tasked with euthanizing animals has received training
- No (**Skip to question 20**)
- Animals are euthanized by the veterinarian and/or deadstock service provider (**Skip to question 29**)

18. Who was the principal training instructor for educating personnel on euthanasia practices on your farm?

- Professor(s) from a faculty of veterinary medicine
- Veterinarian(s) from my usual veterinary clinic
- Veterinarian(s) from another veterinary clinic
- Another person on the farm
- Another producer
- Dead stock service provider
- I don't know
- Other (Who was that training instructor? Please specify)

19. What type of training did the personnel receive?

- Theoretical training only
- Theoretical and practical training
- On-farm practical training only
- I don't know
- Other type of training (Please specify)

20. Excluding euthanasia performed by the veterinarian and deadstock service provider, what is the **PRIMARY method of euthanasia most often used** on your farm to euthanize animals in each of the following groups: (Please check ONE BOX for each group of animals or for EACH column)

	Calves	Replacement animals	Dairy cows
Gunshot	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Penetrating</b> captive bolt device	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Non-penetrating</b> captive bolt device	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other PRIMARY method <b>(Please specify below)</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
We don't euthanize any animals in this group of cattle on our farm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Please describe this other PRIMARY method:

21. Excluding euthanasia performed by the veterinarian and deadstock service provider, how often do you estimate the PRIMARY method of euthanasia is successful **on first attempt**?

- Never
- Rarely
- Sometimes
- Often
- Always almost
- Always
- Prefer not to answer

22. Excluding euthanasia performed by the veterinarian and deadstock service provider, what **SECONDARY step** (implemented as required after the PRIMARY method) is **most often used** on your farm to euthanize animals in each of the following groups: (Please check **ONLY ONE** box for EACH group of animals or for EACH column)

	Calves	Replacement animals	Dairy cows
Bleeding out	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Another shot of gunshot	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Another shot of captive bolt device	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cardiac puncture	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Intravenous injection of potassium	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Intravenous injection of magnesium	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pithing or inserting a rod into the skull	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other secondary step (please specify below)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
We don't use any secondary step on our farm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
We don't euthanize any animals in this group of cattle on our farm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Please describe other SECONDARY step:

23. Excluding euthanasia performed by the veterinarian and deadstock service provider, has one of the owners or employees of your operation used a firearm to euthanize cattle **over the past 12 months?**

- Yes
- No (**Skip to question 25**)
- I don't know

24. Excluding euthanasia performed by the veterinarian and deadstock service provider, what calibre of firearm is **most often used** on your farm to euthanize animals in each of the following groups:

	Calves	Replacement animals	Dairy Cows
Ordinary 22 calibre rifle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Magnum 22 calibre rifle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
270 calibre rifle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
303 calibre rifle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30-06 calibre rifle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30-30 calibre rifle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 mm calibre	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
410 calibre shotgun	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10 calibre shotgun	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12 calibre shotgun	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16 calibre shotgun	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20 calibre shotgun	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other calibre (Please specify below)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I don't use any firearms for this group of animals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Please specify other calibre:

25. Excluding euthanasia performed by the veterinarian and deadstock service provider, do you always confirm the animal is **unconscious and not responsive** after applying a PRIMARY method of euthanasia?

- Yes
- No
- I don't know

\* 26. Excluding euthanasia performed by the veterinarian and deadstock service provider, which indicator(s) do you use to confirm the animal is unconscious and not responsive **after applying a PRIMARY method** of euthanasia? (Please check a **maximum of two (2) indicators** that are always verified by the person who applies the primary method of euthanasia):

- Animal falls to the ground or body goes limp if already lying down
- No breathing movement (no respiration)
- No eye movement, i.e., eyes remain fixed
- No natural blinking, i.e., eyelids remain open
- No corneal reflex (blinking response) when the surface of the eye is touched
- Pupils are dilated
- No jaw tone
- No vocalizing
- I don't know
- We don't check that the animal is unconscious and not responsive
- Other criteria (Please specify)

27. Excluding euthanasia performed by the veterinarian and deadstock service provider, do you **confirm the animal's death** when you carry out euthanasia?

- Yes
- No (**Skip to question 29**)
- I don't know

\* 28. Excluding euthanasia performed by the veterinarian and deadstock service provider, which indicator(s) do you use on your farm to **confirm the death** of a euthanized animal? (Please check a **maximum of two (2)** indicators that are always verified by the person who carries out the euthanasia)

- The animal stops moving
- The animal stops breathing (no chest movement)
- The animal has no palpable heartbeat in the chest area
- The animal has no heartbeat visible in the neck vein (pulse)
- The animal has no heartbeat audible with a stethoscope
- The animal does not respond when touched with a needle or sharp object
- The animal has no reflex when its eyelids are touched
- The animal has no reflex when pressure is applied to its eye
- The animal has pale bluish gums
- I don't know
- We don't check that the animal is dead
- We use another criteria (Please specify) :

29. When you request the services of a deadstock service provider to perform euthanasia, how long do you **generally** wait from the time you ask the service provider to come to euthanize an animal to the time euthanasia is carried out?

- Same day
- Next day
- 2 to 3 days after calling
- 4 to 5 days
- More than 6 days
- We don't use the services of a deadstock service provider for euthanizing our animals
- We don't have access to a deadstock service provider in our area

SECTION 4 - OBSTACLES TO EUTHANIZING ANIMALS AND THE LOSS OF ANIMALS

30. How do you feel about having the responsibility for ending the life of your animals? (Select the answer that **best applies** to your situation)

- I am comfortable by the responsibility
- I have no problem with the responsibility
- I am troubled by the responsibility
- I am very troubled by the responsibility
- I prefer not to answer

31. **If you don't perform euthanasia yourself**, how comfortable with that responsibility (emotionally or psychologically) is the person who euthanizes the animals on your farm, excluding the veterinarian and deadstock service provider?

- Very comfortable**, it doesn't seem to bother him or her in any way, regardless of the animal involved
- Comfortable**, it almost never seems to bother him or her, except in certain cases or at certain times
- Uncomfortable**, it seems to bother him or her quite often; he or she is reluctant to do it but does it all the same
- I don't know
- We don't perform euthanasia ourselves on the farm; we entrust the deadstock service provider or the veterinarian with that job. **(Skip to question 33)**

32. Based on your appreciation of the situation or your discussions, do you or your personnel who carry out euthanasia on your farm ever experience any of the following symptoms? **Check all answers that apply:**

- Stress or anxiety prior to euthanizing an animal or animals
- Anxiety or fear of not being successful on the first attempt
- Anxiety or fear with regard to the animal's reaction
- Crying or sadness
- Stress or anxiety after euthanizing an animal or animals
- Irritability before or after euthanizing an animal or animals
- Insomnia, nightmares, or other sleep-related problems
- A feeling of «disgust»
- A feeling of guilt (with regard to the act of killing, to the animal, etc.)
- Difficulty seeing an animal die
- Flashbacks of images of the animal or the scene
- Physical symptoms, such as headaches, stomach aches, nausea, etc. felt immediately after, some time after, or a long time after euthanasia, and which are related to the death of the animal(s).
- Neither I nor any of my employees has any symptoms
- Other symptoms (Please specify)

\* 33. In your view and regardless of the person who euthanizes the animal, for which group (or groups) of animals is it the **most difficult** to decide to perform euthanasia on your farm? (Please check **maximum of two (2)** groups of animals)

- Old cows
- Healthy calves
- Sick calves
- Injured animals (fractures, dislocations, etc.)
- Animals that you have been taking good care of for several days and that are no longer responding to treatment
- Animals of high genetic value
- Herd favourites (that have sentimental value)
- None, it's always easy to make the decision
- Other group (Please specify)



34. What is the **main obstacle** to talking about euthanasia on your farm? (Choose the answer that **best suits your situation**)

- It is difficult to talk about the death of my animals
- I don't feel sufficiently knowledgeable or competent to discuss the subject
- I don't talk about it because I don't want to give that responsibility to others. I want to decide which animals will be euthanized and when
- I don't want to talk about it because I know I'm probably not using the right method, but I don't know how else to do it
- I have little or no opportunity to talk about euthanasia with my veterinarian
- Euthanasia is against my values so it's difficult to talk about it
- Talking about euthanasia isn't a problem for me
- Other obstacle (Please specify)

\* 35. **As an animal owner**, what are the two (2) main reasons for your feelings of **anxiety or unease** with regard to euthanasia? (If applicable, choose only the **2 most appropriate answers with regard to yourself**)

- I have an emotional block when it comes to making a decision to end the life of one of our animals
- I have an emotional block when it comes to terminating the life our animals
- It's too emotionally difficult for me to deal with the carcass of an animal that we have put down ourselves
- It affects me emotionally after I've taken the life of one of our animals
- I or we have too many bad memories associated with euthanizing our animals
- I'm afraid my family and/or those close to me are judging the act of euthanizing our animals ourselves
- I'm too attached to our animals to put them down
- I'm afraid my first attempt at euthanasia won't be successful
- I don't like handling firearms
- I'm afraid of possible accidents that could occur when firearms are used (ricochet, unintentional injuries, etc.)
- I don't feel anxious or uneasy about euthanasia
- Other feelings of uneasiness (Please specify)

\* 36. If it was possible, what type(s) of support would you like to receive to become more comfortable with the subject of euthanasia? (If applicable, please check **a maximum of two (2)** choices)

- Set up a decision tree or a protocol for euthanizing my animals, with the help of my veterinarian, to reduce my anxiety around making such a decision in the future
- Training on euthanasia to increase my knowledge and level of competence
- Opportunity to have a person assist me when I have to euthanize an animal
- Opportunity to practise with a trained individual (veterinarian or other) to make sure I'm doing it properly
- Support from the people around me (family, friends, neighbours)
- Psychological counseling could help me better accept this heavy responsibility and its impact on my personal life
- I don't need support
- Does not apply
- Other type of support (Please specify)

\* 37. On what topics would you like to receive training on euthanasia?

If applicable, please check **a maximum of two (2)** choices

- Laws, regulations and requirements governing animal well-being
- Laws, regulations and requirements governing deadstock disposal (biosecurity)
- Presentation of acceptable euthanasia methods and protocols
- Specific training on the use of a captive bolt device
- Importance of setting up a decision tree for on-farm euthanasia
- Psychological help (to demystify euthanasia, learn how to manage emotions, learn how to support employees, etc.)
- I'm not interested in training on this subject
- Other type of training (Please specify)

38. Do you have any feedback to share or topics you would like to discuss further with regard to mourning and euthanasia?

SECTION 5 - MANAGEMENT OF DOWNER COWS

**Here is a useful definition for this section:**

**Downer cow: A cow that is no longer able to stand on its own.**

39. Who is **the person** generally involved in managing and treating downer cows on your farm?

- Owner
- Employee
- Veterinarian
- Other person (Please specify)

40. In your opinion, and regardless of the animal's condition, **how long after an animal has ceased to respond positively** to treatment do you judge that a downer cow is considered to be beyond help?

- 5 days or more
- 3 to 4 days
- 48 hours (two days)
- 24 hours (one day)
- 12 hours
- 6 hours
- 3 hours

41. Does your farm have **written guidelines** or a **written protocol** for managing downer cows?

- Yes
- No
- I'm not sure if we have written guidelines or a written protocol

42. What type of housing is **usually** (in more than 75% of cases) provided for downer cows during each of the four seasons? (Please select ONE type of housing for each season)

	Regular stall or freestall	Housed <b>individually</b> in a separate pen or hospital pen	Housed <b>with other cows</b> in a pen or hospital pen	Hay barn, storage shed or a garage	Partially closed annexe to the barn
<b>SPRING (March to May)</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>SUMMER (June to August)</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>AUTUMN (September to November)</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>WINTER (December to February)</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other type of housing (Please specify)

43. When there is a need to do so, how are downers **usually MOVED** in your barn? (Select the method **most often used**, in over 75% of cases)

- On a wooden platform
- On a plastic platform (sled-like)
- On a rubber mat
- With a tarp
- In the bucket of a front-end tractor loader
- With a cow lift («hip lifter») placed at the hips
- With a sling
- With two straps
- Dragged with cables or chains
- We never move downer cows from the location where we found them
- Other method (Please specify)

44. What is the method **most often used** on your farm to help a downer cowstand? (Select the method most often used in over 75% of cases)

- A sling
- A cow lift («hip lifter») placed at the hips
- With two straps
- We don't help downer cows to stand
- Other method (Please specify)

45. Please indicate the importance of each of the following factors that allow you to justify and/or to decide to euthanize a downer cow (where 0 = not at all important and 5 = extremely important).

	0 - Not at all important	1	2	3	4	5 - Extremely important
Treatment failure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Condition with no possible treatment or with little chance of success	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Condition requiring very costly treatment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
An advice from a veterinarian	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Prolonged condition	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Amount of time down	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Obvious suffering of the cow	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other factor(s)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other factor(s) (Please specify)

46. Do you have any feedback or topics you would like to discuss further with regard to downer cows?

## Euthanasia and Management of Downer Cows on Farm

### ACKNOWLEDGEMENT AND FOLLOW-UP

**We sincerely thank you for taking the time to complete this survey. Your answers will help us prepare focus groups and take a closer look at the challenges related to euthanasia and the management of downer cows.**

47. If you would like to receive the results of this survey and an update on the project, please provide your email address here: