

2005 Livestock Farm Practices Survey

Beef Cattle Producers

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| (*) |
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confidential when completed Collected under the authority of the Statistics Act, Revised Statutes of Canada, 1985, Chapter S-19.

To correct or make changes to this label \rightarrow See below

Ce questionnaire est disponible en français.

For interviewer use only

Fully completed 005 1 005 4 Refusal 005 2 005 3

In operation
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Out of business
Out of scope

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TO THE RESPONDENT:

To improve overall air quality in Canada and worldwide, agriculture like other industries is asked to quantify emissions of ammonia into the atmosphere. The results of the survey will place Canada among other industrialized countries who have agreed to co-operate to improve air quality around the globe. Because pollutants travel long distances crossing many boundaries, international co-operation is essential for long-term air quality. The information obtained from the survey will guide researchers to improve efficiency of Nitrogen use on farms.

Your farm was selected at random for this survey from a list of beef cattle producers. While participation in this survey is voluntary, your cooperation is important to ensure that the information collected in this survey is as accurate and as comprehensive as possible.

Statistics Canada is prohibited by law from publishing any statistics which would divulge information obtained from this survey that relates to any identifiable business, institution or individual without their knowledge and consent. The data reported on this questionnaire will be treated in confidence, used for statistical purposes and published in aggregate form only.

This questionnaire on commercial beef cattle operations deals with feed protein, barn types, manure handling and spreading of manure. The person most knowledgeable about these items should complete the questionnaire.

| Change or correction to the | e address label (if required) | | | | | | | |
|--|--|----------------------------|--|--|--|--|--|--|
| Are there any changes required to the address label? | | | | | | | | |
| | | 11 14 | | | | | | |
| | Corporation name | Area code | | | | | | |
| | | 12 - 15 | | | | | | |
| | Operator name | Telephone | | | | | | |
| | | 13 - 16 | | | | | | |
| | Contact name | Telephone | | | | | | |
| 17 | 18 | 19 | | | | | | |
| R.R. P.O. Box | R.R. P.O. Box Number and street name | | | | | | | |
| - 20 | | 21 | | | | | | |
| Postal code | Post office (name of city, town or villa | ge where mail is received) | | | | | | |

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Statistics Canada Statistique Canada Canadä

FORMATION

The year 2005 was not a normal year for the beef industry due to BSE. This survey is intended to ask about your farming practices. Please think of what practices you would do in a normal year.

For all questions about your cattle raised for beef include the following:

- All cattle or calves on your operation, regardless of ownership, including those that are boarded, custom fed or fed under contract and pastured for others.
- All cattle or calves owned by the operator and held on crown land, community pastures and grazing projects.

For all questions about your cattle raised for beef exclude the following:

• Do not report cattle or calves owned by you but kept on a farm, ranch or feedlot operated by someone else.

Section 1 – General questions

Please refer to a normal year

| 1. | Approximately how many steers and heifers in tot | al do | you <i>normally</i> sell for slaughter per year? |
|----|--|----------------|---|
| | Steers and heifers 1(. | J00101 | |
| 2. | Approximately how many cattle (feeders) do you and a cattle (sold to finished) | | nally sell to finisher barns or feedlots per year? arns or feedlots) 2(J00201) |
| 3. | Approximately how many calves and young beef backgrounding? | anim | als do you <i>normally</i> sell per year as feeders or for |
| | Calves and young an | imals | s (sold for backgrounding) 3(J00301) |
| 4. | What would best describe your beef operation? Cow-calf | 0401) 0402) | ck all that apply |
| | Do you harvest forage to feed your beef animals? | 6. | What proportion of your forage receives manure or nitrogen fertilizer? <i>Include hay and silage.</i> |
| | Yes□ _{1(J00501)} → Answer questions 6 to 12 | | Less than 25% □ _{1(J00601)} Between 25% and 75% □ _{2(J00602)} |
| | No□ _{2(J00502)} | | More than 75% □ _{3(J00603)} Don't know□ _{4(J00604)} |

| | 7. | On average, how many harvests of forage do you take |
|----------|-----|---|
| | | from each field per year? |
| | | One |
| | | Two□ _{2(J00702)} |
| - | | More than two□ _{3(J00703)} |
| | 8. | What stage is first-cut forage when you harvest it? |
| | | Three or more days <u>before</u> full head or full bloom□ _{1(J00801)} |
| | | Within three days of start of full head or full bloom $\Box_{2(J00802)}$ |
| | | Three or more days after start of full head |
| | | or full bloom□ _{3(J00803)} |
| | | 4 |
| | | |
| | 9. | On average, how old are your forage stands? |
| | | Less than five years old□ _{1(J00901)} |
| | | Five years old or more |
| | 10. | On average, what proportion of your forage is alfalfa or other legume? <i>Is it</i> ? |
| | | Less than 10% |
| | , | From 10% to less than 25% |
| | A | From 25% to less than 50% |
| | | 50% and more $\square_{4(J01004)}$ |
| | 11. | What proportion (percentage) of total forage you store is? |
| | | % |
| | | |
| | | Hay |
| | | |
| | | Silage |
| | | Do not store forage □ _{3(J01103)} |
| | 12. | Which of the following describes the storage method? Check all that apply. |
| <i>y</i> | | For hay, is it:? |
| | | Bales uncovered |
| | | Bales or bale rows wrapped in plastic □ _{2(J01202)} |
| | | Bales under roof or tarp□ _{3(J01203)} |
| | | For silage, is it:? |
| | | Uncovered bunker or heap □ _{4(J01204)} |

Bunker or heap under roof or tarp...... $\square_{5(J01205)}$ Wrapped bales (in plastic)..... $\square_{6(J01206)}$ Tower silo..... $\square_{7(J01207)}$

Section 2 – Grazing steers, heifers and cows

Please refer to a normal year

| 13. | Do you keep grazing steers, heifers and cows on pasture or on grazed crop land for some or all of the year? |
|------|---|
| | Yes □ _{1(J01301)} Ψ Answer Section 2 |
| | No□ _{2(J01302)} → Go to Section 3 (page 7) |
| 14. | During the <u>warm season</u> (from May to October), how many steers, heifers and cows on average are on <u>pasture or grazed crop land</u> in your operation at any one time? |
| How | v many steers? |
| | Stagra |
| Цом | v many heifers (backgrounding and replacement)? |
| TIOW | Thany heliers (backgrounding and replacement): |
| | Heifers (backgrounding and replacement) _{2(J01402)} |
| How | v many cows (dry or with unweaned calves)? |
| | |
| | ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ |
| | 4(J01404) Not applicable (allimais not on pasture in warm season) |
| 15. | During the cold season (from November to April), how many steers, heifers and cows on average are on pasture of |
| | grazed crop land in your operation at any one time? |
| How | v many steers? |
| | Steers _{1(J01501)} |
| How | v many heifers (backgrounding and replacement)? |
| | |
| | Heifers (backgrounding and replacement) 2(J01502) |
| How | v many cows (dry or with unweaned calves)? |
| | Cows (dry or with unweaned calves) _{3(J01503)} |
| | □ _{4(J01504)} Same as warm season |
| | □ _{5(J01505)} Not applicable (animals not on pasture in cold season) |
| | |
| 16. | During the <u>warm season</u> (from May to October), what is your average stocking rate for all animals on <u>pasture or grazed crop land?</u> |
| | |
| | hectares per _{1(J01601)} animal(s) _{2(J101602)} |
| | Or |
| | acres per _{3(J01603)} animal(s) _{4(J01604)} |
| | \square_1 Not applicable (animals not on pasture in warm season) |
| | |
| 17. | During the <u>cold season</u> (from November to April), what is your average stocking rate for all animals on <u>pasture or grazed crop land</u> ? Exclude calves (under one year). |
| | <u>grands drop rand</u> : Exceeds dantes (analy drop year). |
| | hectares per _{1(J01701)} animal(s) _{2(J01702)} |
| | Or |
| | acres per _{3(J01703)} animal(s) _{4(J01704)} |
| | □ _(J01705) Not applicable <i>(animals not on pasture in cold season)</i> |

| 18. | 18. In which months do you pasture some or all your animals? Che | ck all that apply. |
|-------------|---|--|
| | April to May□ _{1(J01801)} | |
| | June to August□ _{2(J01802)} | |
| | September to November □ _{3(J01803)} | |
| | December to March | |
| | All year round 🖵 5(J01805) | |
| | , o(conces) | |
| 19. | 19. Which of the following apply to the <u>largest pasture</u> that you use <i>Is it?</i> | ? Check all that apply. |
| | Native range or old seeded pasture | |
| | Irrigated in some years | □ _{2(J01902)} |
| | Fertilized in the last two years | □ _{3(J01903)} |
| | Fertilized between three and five years ago | □ _{4J01904)} |
| | Does it have? | |
| | Mostly grass, less than 10% alfalfa or other legume | 5(J01905) |
| | From 10% to 25% alfalfa or other legume | |
| | Over 25% to 50% alfalfa or other legume | |
| | More than 50% alfalfa or other legume | |
| | Is there? | (taiste, |
| | A hay crop taken off this pasture most years | □ _{9(J01909)} |
| | Scrub brush or woodlot accessible to animals | |
| | Shade trees | □ _{11(J01911)} |
| | Shelter buildings, windbreaks or natural shelters for anima | ls □ _{12(J01912)} |
| | | Y |
| 20. | 20. What is the average stocking rate of your largest pasture (same | e pasture as in question 19)? |
| | | |
| | hectares per _{1(J02001)} | animal(s) _{2(J02002)} |
| | Or | |
| | Corrector | animal(a) |
| | acres per _{3(J02003)} | animal(s) _{4(J02004)} |
| 21. | 21. In this pasture, what percentage of time do animals gather arou | ınd small areas like feeding or watering areas, salt o |
| | trees? | |
| | Less than 5% | □ _{1(J02101)} |
| | 5% to less than 10% | |
| | 10% to less than 25% | |
| | 25% and more | □ _{4(J02104)} |
| | None | □ _{5(J02105)} |
| 22 | 22. How is water supplied to the animals on the largest posture? C | hook all that apply |
| ZZ . | 22. How is water supplied to the animals on the <u>largest pasture</u> ? <i>C</i> | |
| | Water trough or valved waterers Dugout | , |
| | Natural source (creek, stream, river, slough, pond, lake) | |
| 23 | 23. Which of the following describe your grazing rotations:? <i>Che</i> | , |
| _5. | There is no rotational grazing | |
| | Pasture is allowed to rest part of the grazing season | , |
| | Stock is rotated every month or more often → using 2 pade | , , |
| | → using 3 to 4 | paddocks □ _{4(J02304)} |
| | → using more | than 4 paddocks □ _{5(J02305)} |

| 24. | Do you provide feed to animals kept on pasture, other than minerals? | 25. | Which months do you supply feed to these animals' Check all that apply. | ? |
|-----|---|-----|---|--------------------------|
| | Yes $\square_{1(J02401)}$ \Rightarrow Answer questions 25 to 27 No $\square_{2(J02402)}$ \bullet Go to Section 3 (page 7) | | April to May $\square_{1(J0250)}$ June to August $\square_{2(J0250)}$ September to November $\square_{3(J0250)}$ December to March $\square_{4(J0250)}$ All year round $\square_{5(J0250)}$ | 2) 3) 4) |
| | | 26. | Between April and September , which of the follow describes what you feed to animals on pasture? Check all that apply. | ing |
| | | | Is it? | |
| | | | Creep feed supplement for calves | □ _{2(J02602)} |
| | | | Cereal hay or silage | |
| | | | Grain corn or cereal Forage (grass) with: | □ _{5(J02605)} |
| | | | 50% and more alfalfa or other legume | , |
| | | | 10% to less than 25% alfalfa or other legume. | , |
| | | | less than 10% alfalfa or other legume | , |
| | | | Straw | □ _{10(J02610)} |
| | | | Cut swath . | □ _{11(J02611)} |
| | | | Feed bought from mill | □ _{12(J02612)} |
| | | | Other, specify: | 13(J02613) |
| | | | | |
| | | 27. | Between October and March, which of the followin | a doscribo |
| | | 21. | what you feed animals on pasture? | g describe |
| | | 5 | Check all that apply. | |
| | | | Does it include? | |
| | | | Creep feed supplement for calves | □ _{1(J02701)} |
| | | | Range cubes or similar | , |
| | | | Whole corn silage | , , |
| | | | Cereal hay or silage | , , |
| | | | Grain corn or cereal | $\square_{5(J02705)}$ |
| | | | Forage (grass) with: 50% and more alfalfa or other legume | Dc(100700) |
| | | | 25% to less than 50% alfalfa or other legume. | , |
| | <i>y</i> | | 10% to less than 25% alfalfa or other legume. | , , |
| | | | less than 10% alfalfa or other legume | , |
| | | | Straw | , , |
| | | | Cut swath | , , |
| | | | Feed bought from mill | , , |
| | | | Other, specify: | |
| | | | Not applicable (not on pasture in winter) | □ _{14(J02714)} |

Section 3 - Corrals: steers, heifers and cows

Please refer to a normal year

For this survey, corrals are defined as outdoor holding areas that are smaller than feedlots with little grazing:

- · Includes small fields with between 50 and 200 head per hectare (25 to 100 head per acre)
- · Does not include handling pens

| 28. | Do you keep steers, heifers and cows in corrals for some or all of the year? |
|-----|--|
| | Yes□ _{1(J02801)} Please complete Section 3 |
| | No□ _{2(J02802)} → Go to Section 4 (page 10) |
| 29. | During the <u>warm season</u> (from May to October) how many steers, heifers and cows on average are in <u>corrals</u> at an one time? |
| How | v many steers? |
| | Steers _{1(J02901)} |
| How | v many heifers (backgrounding and replacement)? |
| | Heifers (backgrounding and replacement) _{2(J02902)} |
| How | w many cows (dry or with unweaned calves)? |
| | Cows (dry or with unweaned calves) _{3(J02903)} |
| | □ _(J02904) Not applicable (animals not kept in corrals in warm season) |
| 30. | During the warm season (from May to October), what is your average stocking rate for all animals in corrals? |
| | hectares per _{1(J03001)} animal(s) _{2(J03002)} |
| | Or |
| | acres per _{3(J03003)} animal(s) _{4(J03004)} |
| | |
| | square metres/yards per _{5(J03005)} animal(s) _{6(J03006)} |
| | □ _(J03007) Not applicable (animals not kept in corrals in warm season) |
| 21 | During the cold season (from November to April) how many steers, heifers and cows on average are in corrals? |
| 51. | During the <u>cord season</u> (non November to Aprily now many steers, heliers and cows on average are in <u>corrais</u> : |
| | Steers _{1(J03101)} |
| | Heifers (backgrounding and replacement) _{2(J03102)} |
| | Cows (dry or with unweaned calves) _{3(J03103)} |
| | □ _(J03104) Not applicable (animals not kept in corrals in cold season) |

| hectares per _{1(J03201)} | | | animal(s) _{2(J03202} |
|--|-------|---|--------------------------------|
| OrOr | | | |
| | | | |
| acres per _{3(J03203)} | | | animal(s) _{4(J03204} |
| | | | · |
| square metres/yards per _{5(J03205)} | | | animal(s) _{6(J03206)} |
| □ _(J03207) Not applicable (animals not kept in corrals in cold sea | ison) | | |
| | | | |
| 33. In which months are some or all of your animals in <u>corrals</u> ? | | | 1 |
| Check all that apply. | | | |
| April to May | | | |
| June to August | | 1 | 2(000002) |
| September to November | | | |
| December to March | | | (, |
| All year round | | | |
| 34. Which of the following describe what you feed your animals in corr | als? | · | |
| Check all that apply. | | | |
| Does it include? | | | |
| Creep feed supplement for calves | × | | 🗖 _{1(J03401)} |
| Range cubes or similar | | | , , |
| Whole corn silage Cereal hay or silage | | | 🗖 3(J03403) |
| Cereal hay or silage | | | • 4(J03404) |
| Grain corn or cereal | | | 🗖 _{5(J03405)} |
| Forage (grass) with: | | | |
| 50% and more alfalfa or other legume | | | , |
| 25% to less than 50% alfalfa or other legume | | | , , |
| 10% to less than 25% alfalfa or other legume less than 10% alfalfa or other legume | | | ` ' |
| Straw | | | , |
| Feed bought from mill | | | , |
| | | | , |
| Other, specify: | | | 12(J03412) |
| | | | |
| 35. Do you remove manure pack from your corrals? | | | |
| Yes□ _{1(J03501)} | | | |
| No □ _{2(J03502)} | | | |

| | animals in the corrals? | 37. | What is the bedding material: Ci | ieck all ti | іат арріў. | |
|-----|-------------------------------------|---------------|--|--------------------------|-------------------------|--------------------------------|
| | difficio in the <u>contais</u> : | | Straw or other crop residue | | | □ _{1(J03701)} |
| | Voc. □ | | Sawdust, wood chips or shavings | | | □ _{2(J03702)} |
| | Yes | | Paper crumb or other forest produ | uct | | □ _{3(J03703)} |
| | Ariswei questions 37 to 38 | | Sand, gravel or other mineral pro | duct | | □ _{4(J03704)} |
| | No | | Other, specify: | | | □ _{5(J03705)} |
| | Ψ Go to question 39 | 38. | Approximately how much bedding | g in corra | ls do you | use per year? |
| | | Oi | Cubic yar | ds/metres | S _{1(J03801)} | |
| | | | Number o | f large ba | les _{2(J03802} | |
| | | Oi | · | | | |
| | | | Number of | of small ba | ales _{3(J0380} | 3) |
| | | Oi | · | | 1 | |
| | | | Tonnes (r | netric) _{4(J0:} | 3804) | / |
| | | Oı | ' | | | |
| | | | Tons (imp | erial) ₅₍₁₀₃₎ | 805) | |
| | | Oı | | 7 | , | |
| | | | | | | |
| | | | Granifa varia | ner units | | |
| | | Don | Specify units: It know □ _{8(J03808)} | | | 7(J03807) |
| *Re | emaining questions of this | sect | ion are about your largest | corral* | | |
| 39. | How is water supplied to animals | in vo | ur <u>largest corral</u> ? Check all that ap | oply | | |
| 00. | | K | ur- <u>rargoot sorrar</u> : "Oncok am triat ap | | | |
| | | | | , | | |
| | Natural source (creek, stream | n, rive | er, slough, pond, lake)□ _{3(J0} | 03903) | | |
| 40. | What is the average stocking rate | e of yo | our <u>largest corral</u> ? | | | |
| | | | res per _{1(J04001)} | | | animal(s) _{2(J04002)} |
| | | | Or | | | |
| | | | per _{3(J04003)} | | | animal(s) _{4(J04004)} |
| | | | Or | | | ¬ |
| | | squar | e metres/yards per _{5(J04005)} | | | animal(s) _{6(J04006)} |
| 41. | Which of the following apply to the | e <u>larg</u> | est corral? Check all that apply. | | | |
| | Does it include? | | | | | |
| | Vegetation for animals to gra | ıze | | 🗖 16.104 | -101) | |
| | | | ny difference in their diet | (| , | |
| | | | | ` | , | |
| | | | | , | , | |
| | | | | .,55 | - , | |

| Manure is removed less than once each year | |
|---|--|
| Manure is removed once per year | □ _{2(J04202)} |
| Manure is removed more often than once per year | □ _{3(J04203)} |
| Land is harrowed to work in cow pies | |
| Section 4 – Barns or feedlots: steers, heifers | and sowe |
| *Please refer to a | |
| r lease refer to a | normal year |
| 43. Do you keep animals mainly in barns or mainly in feedlot | <u>s</u> for some or all of the year? |
| Would you say:? | |
| Yes, mainly in barns □ _{1(J04301)} ♥ Plea | |
| Yes, mainly in feedlots□ _{2(J04302)} Ψ Plea | |
| Neither | to Section 5 (page 14) |
| 44. During the <u>warm season</u> (from May to October) how many <u>feedlots</u> at any one time? | steers, heifers and cows on average are in barns or |
| How many steers (at any one time)? | |
| | |
| Steers _{1(J04401)} | |
| How many heifers (backgrounding and replacement at any one a | time)? |
| Heifers (backgrounding ar | ad conferement) |
| How many cows (dry or with unweaned calves at any one time)? | |
| Tiow many cows (ary or with unweahed caives at any one time): | |
| Cows (dry or with unweane | ed calves) _{3(J04403)} |
| $\square_{4(J04404)}$ Not applicable (animals not kept in barns or fe | eedlots in warm season) |
| | |
| 45. During the warm season (from May to October), what is the | e average space per animal in barns or feedlots? |
| | ٦ |
| Square metres per _{1(J04501)} | ☐ animal(s) _{2(J04502)} |
| Or | |
| Square feet per _{3(J04503)} | animal(s) _{4(J04504)} |
| □ _{5(J04505)} Not applicable (animals not kept in barns or fe | |
| | , |
| 46. During the cold season (from November to April), how man | ny steers, heifers and cows on average are kept in barns |
| or feedlots at any one time? | |
| Store | |
| Steers _{1(J04601)} | |
| Heifers (backgrounding ar | nd replacement) _{2(J04602)} |
| | |
| Cows (dry or with unweane | , , (, , , , , , , , , , , , , , , , , |
| □ _{1(J04604)} Not applicable (animals not kept in barns or fe | edlots in cold season) |

42. How is manure managed in your <u>largest corral</u>?

| 47. | During the <u>cold season</u> (from November to April), what is the average space per animal in <u>barns or feedlots</u> ? |
|-----|---|
| | Square metres/yards per _{1(J04701)} animal(s) _{2(J04702)} |
| | Square feet per _{3(J04703)} animal(s) _{4(J04704)} |
| | $\square_{5(J04705)}$ Not applicable (animals not kept in barns or feedlots in cold season) |
| 48. | In which months are some or all of your animals in <u>barns or feedlots</u> ? |
| Che | ck all that apply. |
| | April to May□ _{1(J04801)} |
| | June to August□ _{2(J04802)} |
| | September to November□ _{3(J04803)} |
| | December to March□ _{4(J04804)} |
| | All year round□ _{5(J04805)} |
| 49. | In a typical year, what is the average live weight of animals that are:? |
| | Taken into the barn(s) or feedlot(s) |
| | kg per animal _{1(J04901)} Or Ib per animal _{2(J04902)} |
| | Shipped from the barn(s) or feedlot(s) |
| | kg per animal _{3(J04903)} Or Ib per animal _{4(J04904)} |
| 50. | Do you have animals being finished for slaughter kept in <u>barn(s)</u> or <u>feedlot(s)</u> ? |
| | Yes □ _{1(J05001)} ◆ Answer questions 51 to 55 |
| | No □ _{2(J05002)} → Go to question 56 |
| | |
| 51. | What is their average amount of feed per day (given to animals finished for slaughter in <u>barns or feedlots</u>)? |
| | kg per animal _{1(J05101)} Or Ib per animal _{2(J05102)} |
| | |

| Hay o | or silage – grass wit | th: more than 50% alfalfa or other legume | 1(J05201) |
|--|--|--|---|
| | | 25% to 50% alfalfa or other legume | 2(J05202) |
| | | 10% to less than 25% alfalfa or other legume | 3(J05203) |
| | | less than 10% alfalfa or other legume | 4(J05204) |
| Whole | e corn silage | | 5(J05205) |
| Ceres | ıl hav or silage | | 6(J05206) |
| | | | 6(305206) |
| Straw | ' | | 7(J05207) |
| 53. V | What proportion of t | total feed comes from grains or other source? What proportion is | .? % |
| Corn | | | 1(J05301) |
| | | | 1(305301) |
| Barley | y | | 2(J05302) |
| Whea | ıt | | 3(J05303) |
| Other | cereal | | 4(J05304) |
| Distille | ers grains <i>(e.a. dis</i> | stilled oats, barley grain) | 5(J05305) |
| | Ç (1.5 m) | | 7 |
| | | | |
| Other | , specify: | | , , |
| Other | , specify: | *** Total of forage, grains and other should add u | 7(J05307) |
| | | *** Total of forage, grains and other should add u | p to 100% *** |
| What sup | pplements or additi | | p to 100% *** |
| What sup | pplements or additive tapply. | *** Total of forage, grains and other should add u | p to 100% *** |
| What sup k all that Con | pplements or addition of apply. nmercial protein sup | *** Total of forage, grains and other should add up ives do you feed these animals (being finished for slaughter in bal | p to 100% *** |
| What sup k all that Con Add | pplements or addition of apply. nmercial protein sup | *** Total of forage, grains and other should add up ives do you feed these animals (being finished for slaughter in ball applements | p to 100% *** |
| What sup k all that Con Add Don | pplements or addition of apply. Inmercial protein suplitives to forage such the control of the | *** Total of forage, grains and other should add up ives do you feed these animals (being finished for slaughter in ball applements | p to 100% *** |
| What sup k all that Con Add Don | pplements or additive tapply. Inmercial protein suplitives to forage such the crude protein contact the crude protein con | *** Total of forage, grains and other should add uplices do you feed these animals (being finished for slaughter in bar applements | p to 100% *** |
| What sup k all that Con Add Don What is t | pplements or additive tapply. Inmercial protein suplitives to forage such the crude protein compared to the crude | *** Total of forage, grains and other should add uplices do you feed these animals (being finished for slaughter in bar applements | p to 100% ** |
| What sup k all that Con Add Don What is t | pplements or additive tapply. Inmercial protein suplitives to forage such the crude protein contact the crude protein con | *** Total of forage, grains and other should add uplices do you feed these animals (being finished for slaughter in bar applements | p to 100% *** |
| What sup k all that Con Add Don What is t | pplements or additive tapply. Inmercial protein suplitives to forage such that know $\square_{3(J05403)}$ The crude protein compared by $\upilest \upilest \u$ | *** Total of forage, grains and other should add uplices do you feed these animals (being finished for slaughter in bar applements | p to 100% *** rns/feedlots)? barns or feed |
| What sup k all that Con Add Don What is t Don 56. Do 5 bac | pplements or additive tapply. Inmercial protein suplitives to forage such the crude protein compared by the crude by the c | *** Total of forage, grains and other should add up tives do you feed these animals (being finished for slaughter in bar applements | p to 100% *** rns/feedlots)? barns or feed |
| What sup k all that Con Add Don What is t Don 56. Do 5 bac | pplements or additive tapply. Inmercial protein suplitives to forage such the crude protein compared by the crude by the crud | *** Total of forage, grains and other should add up tives do you feed these animals (being finished for slaughter in bar applements | p to 100% *** rns/feedlots)? barns or feed average (to |
| What sup k all that Con Add Don What is t Don 56. Doy back feed | pplements or additive tapply. Inmercial protein suplitives to forage such that the crude protein compared by the crude | *** Total of forage, grains and other should add up tives do you feed these animals (being finished for slaughter in bar applements | p to 100% *** rns/feedlots)? barns or feed |
| What sup k all that Con Add Don What is to Don 56. Do to back feed | pplements or additive tapply. Inmercial protein suplitives to forage such the crude protein compared by the crude protein compared by the crude | ives do you feed these animals (being finished for slaughter in bar ipplements | p to 100% *** rns/feedlots)? barns or feed average (to |
| What sup k all that Con Add Don What is to Don 56. Do to back feed | pplements or additive tapply. Inmercial protein suplitives to forage such that the crude protein compared by the crude | *** Total of forage, grains and other should add upones in the should add upones and sho | p to 100% *** rns/feedlots)? barns or feed average (to |
| What sup k all that Con Add Don What is t Don 56. Do to bac feed | pplements or additive tapply. Inmercial protein suplitives to forage such the crude protein compared by the crude protein compared by the crude | ives do you feed these animals (being finished for slaughter in bar ipplements | p to 100% *** rns/feedlots)? barns or feed average (to |

| | 58. What proportion (%) of total feed is from ea backgrounding in barns or feedlots)? | ch type (for animals |
|--|---|----------------------|
| | What percentage is from:? | % |
| | Creep feed supplement for calves | 1(J05801) |
| | Hay or silage <i>(grass)</i> with: | |
| | more than 50% alfalfa or other legume | 2(J05802) |
| | 25% to 50% alfalfa or other legume | 3(J05803) |
| | 10% to less than 25% alfalfa or other legume | 4(J05804) |
| | less than 10% alfalfa or other legume | 5(J05805) |
| | Corn silage | . 6(J05806) |
| | Cereal hay or silage | 7(J05807) |
| | Straw | 8(J05808) |
| | Corn grain | 9(J05809) |
| | Barley grain | 10(J05810) |
| | Wheat grain | 11(J05811) |
| | Distillers grains | |
| | Other, specify:13(J05813). | 14(J05814) |
| | *** Total of forage, grains and other should | add up to 100% *** |
| 59. What types of ventilation system are | e in the barns (if animals are kept in barns)? | |
| Check all that apply. | | |
| Fans switched on automaticall | y with computer □ _{1(J05901} | () |
| 4 7 | y with thermostat□ _{2(J05902} | , |
| Fans switched on manually | □3(J05903 | 3) |
| Passive ventilation (side curtai | ns, free air or vent panels) $\square_{4(J05904)}$ | i) |
| Other, specify: | 5(J05905) | |

| 60. Is any bedding provided in | 61. What is the bedding ma | aterial? Check all that ap | ply. |
|---------------------------------------|--|--|------------------------|
| the barn(s) or feedlot(s)? | Straw or other crop res | idue | 🗖 _{1(J06101)} |
| Yes□ _{1(J06001)} | Sawdust, wood chips o | or shavings | $\square_{2(J06102)}$ |
| → Answer questions 61 to 63 | Paper crumb or other for | orest product | □ _{3(J06103)} |
| | Sand, gravel or other m | nineral product | 🗖 _{4(J06104)} |
| No□ _{2(J06002)} | Other, specify: | | 5(J06105) |
| ◆ Go to question 64 | | | |
| Remaining questions of this se | Specify units: Don't know 8(J06208) 63. How thick is the manure Metres _{1(J06302)} Feet _{2(J06302)} | feedlots)? Cubic yards/metres _{1(J0620} Number of large bales _{2(J} Number of small bales _{3(J} Tonnes (metric) _{4(J06204)} Tons (imperial) _{5(J06205)} L _{6(J06206)} Other units e pack when removed? | |
| y que | , | | |
| . Which of the following apply to the | argest barn or feedlot? | | |
| neck all that apply. | | | |
| Does it have? | | | |
| No roof cover | | , | , |
| Shelter structures for animals. | | | , |
| Fully covered area or barn | | , | , |
| Slatted floors | | , | , |
| Less than 25% paved area | | , | , |
| 25% to less than 75% paved a | | , | , |
| 75% to 100% paved area | | □ _{7(J0} | 6407) |
| What is the average stocking rate in | the <u>largest</u> barn or feedlot? | _ | |
| | yards per _{1(J06501)} | animal(s) _{2(J06502)} | |
| Square feet pe | 3(J06503) | animal(s) _{4(J06504)} | |

| Manure is removed less than once each year Manure is removed every 3 to 12 months Manure is removed every 1 to 2 months Manure is removed more often than once per month 67. In which months do you remove manure from the largest barn or feedlot? Check all that apply. April to May | \(\begin{align*} |
|--|--|
| Manure is removed every 1 to 2 months | □ _{3(J06603)} □ _{4(J06604)} □ _{1(J06701)} □ _{2(J06702)} |
| Manure is removed more often than once per month | □ _{4(J06604)} □ _{1(J06701)} □ _{2(J06702)} |
| 67. In which months do you remove manure from the largest barn or feedlot? Check all that apply. | □ _{1(J06701)} |
| Check all that apply. | $\square_{2(J06702)}$ |
| | $\square_{2(J06702)}$ |
| April to May | $\square_{2(J06702)}$ |
| | , , |
| June to August | _ |
| September to November | 山 3(J06703) |
| December to March | $\square_{4(J06704)}$ |
| All year round | 🗖 _{5(J06705)} |
| | |
| Section 5 – Solid manure handling and storage | |
| *Please refer to a normal year* | |
| | |
| 68. Do you store solid manure from your beef operation? | |
| Yes □ _{1(J06801)} Ψ Please complete Section 5 | |
| No □ _{2(J06802)} → Go to Section 6 (page 15) | |
| 69. How long do you usually store solid manure collected over winter? (December to | March) |
| Is it stored? | • |
| Less than 1 month | 🗖 _{1(J06901)} |
| From 1 to less than 6 months | $\square_{2(J06902)}$ |
| From 6 to less than 12 months | |
| 12 months or longer | |
| Not stored over winter. | 🗖 _{5(J06905)} |
| | (,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |
| 70. How long do you usually store solid manure collected from spring to fall? (April to | November) |
| Is it stored? | |
| Less than 1 month | 🗖 _{1(J07001)} |
| From 1 to less than 6 months | $\square_{2(J07002)}$ |
| From 6 to less than 12 months | 🗖 _{3(J07003)} |
| 12 months or longer | $\square_{4(J07004)}$ |
| Not stored over spring to fall | $\square_{5(J07005)}$ |
| 71. How do you usually store solid manure? Is it? | |
| Uncovered outdoor piles or bunkers | 🗖 _{1(J07101)} |
| Piles or bunkers covered with tarp or straw | $\square_{2(J07102)}$ |
| Piles or bunkers under a roof | 🗖 _{3(J07103)} |
| Other storage, specify: | 4(J07104) |

| | 72. | Do you put any additives into the solid manure , to modify odour, pH or nutrient retention? Exclude litter. | 73. | What types of additives do you use? Specify below: | |
|-----|--------------|--|---------|---|--------------|
| | | Yes □ _{1(J07201)} → Go to question 73 | | | 1(J07301) |
| | | No □ _{2(J07202)} Ψ Go to question 74 | | | 2(J07302) |
| | | | | | |
| 74. | How | do you manage <u>solid manure</u> while it is in storage? | ls it | ? | |
| | | Not moved or disturbed | | | |
| | | Moved or disturbed once or twice (e.g. to consolidate a pile or make room for more n | nanure | e from the barn) □ _{2(J07402)} | |
| | | Routinely and thoroughly mixed or turned (e.g. to accelerate composting) | | □ _{3(J07403)} | |
| 75. | Wha | at is the percentage of <u>solid manure</u> handled through | n each | n method you use? | |
| | Wh | at percentage is? | | % | # |
| | | Spread on land (by you or someone else) | | 1(J07501) | |
| | | Composted (then spread on land) | | 2(J07502) | |
| | | Removed by contractor (don't know how it is used) | | 3(J07503) | |
| | | Other, specify: | | 4(J07504) 5(J07505) | |
| | | | | Total must be 100% | |
| Se | ctio | on 6 – Land spreading of <u>solid</u> man *Please refer to | | ormal year* | |
| 76. | ls <u>sc</u> | olid manure from your beef operation spread on land | d (spre | ead on any land by the operator or by son | neone else)? |
| | | Yes $\square_{1(J07601)}$ Ψ Please complete Section | า 6 | | |
| | | No $\square_{2(J07602)}$ \Rightarrow Go to Section 7 (page 1 | 7) | | |
| 77. | Whe | en the manure is tilled into the soil, what amount wo | uld yo | ou estimate is still exposed to the air? | |
| | | Less than 25% (such as with moldboard plow) | | | |
| | | 25% to $50%$ (such as with disc or chisel plow) | | | |
| | | More than 50% (such as with harrow) | | □ _{3(J07703)} | |
| | | | | | |
| 78. | Of th | ne total amount of <u>solid manure</u> from your beef oper | ation | applied on land, what percentage is sprea | ıd on? |
| | | Tilled crop land (most crop residue tilled into soil) | | | uestions 79 |
| | | Reduced till crop land (most crop residue retained on | surfac | e) → Answer qu | estion 81 |
| | | Land covered with perennial or forage crops | | | estion 81 |
| | | Other, specify: | | 4(J07804). → Go to ques | stion 82 |
| | | | | Total must be 100% | |

If solid manure is applied on tilled crop land answer questions 79 and 80. Else go to question 81.

| 79. Of the total <i>(solid)</i> manure applied on tilled soil, what percentage is usually applied in each month? | 80. For each period, how many days after spreading is manure incorporated (<i>tilled</i>) into soil? |
|--|--|
| What percentage is applied in? | If different for different fields, give the most common. (Incorporated same day = 0 days). |
| % | Days |
| January | January |
| February _{2(J07902)} | February2(J08002) |
| March | March3(J08003) |
| April4(J07904) | April4(J08004) |
| May 5(J07905) | May _{5(J08005)} |
| June6(J07906) | June6(J08006) |
| July _{7(J07907)} | July _{7(J08007)} |
| August | August8(J08008) |
| September | Septemberg(J08009) |
| October | October10(J08010) |
| November 11(J07911) | November |
| December Total must be 100% | December |
| All year round at regular intervals □ _{13(J07913)} | Not applicable (manure is not incorporated into soil) □ _{13(J08013)} |

If solid manure is applied on <u>reduced till</u>, <u>perennial or forage crop land</u> answer question 81. Else go to question 82.

| in each month? | 76 |
|--|---|
| January | 1(J08101) |
| February | 2(J08102) |
| March | 3(J08103) |
| April | 4(J08104) |
| May | 5(J08105) |
| June | 6(J08106) |
| July | 7(J08107) |
| August | 8(J08108) |
| September | 9(J08109) |
| October | 10(J08110) |
| November | 11(J08111) |
| December | Total must be 100% |
| All year round at regular intervals □ _{13(J08113)} | 100 N |
| 82. In the past 3 years, has a chemical analysis of the solid manure been done for levels of Nitrogen, Phosphorus, Potassium, micronutrient or moisture content? Yes | 83. What were the lab results? (Specify units of measure and range e.g., 45 to 53 kg Nitrogen per tonne or 0.45 to 0.53% nitrate Nitrogen). Unit of measure codes: 1 = Kilograms (kg) per (metric) tonne of manure 2 = Pounds (lb) per (imperial) ton of manure 3 = Percentage Enter range in first eight boxes and enter the decimal point if needed. Enter unit of measure in last box to right e.g.: 0 |

81. Of the total (solid) manure applied on reduced till crop land, perennial or forage crop land, what percentage is applied

| | 84. Do you usually land spread <i>(solid)</i> manure at a part day? | ticular time of 85. Is it usually spread between:? |
|--------|---|--|
| | Yes | IO a.iii. aiiu 0 p.iii |
| | · | stion 85 6 p.m. and 10 a.m□2(108502) |
| | No, it is spread whenever possible□ _{2(J08402)} Ψ Go 86 | to question |
| 86. | Do you land spread manure when the wind speed is? | ? |
| | Calm, say below 5 km/hour (a flag might hang or ripp | ole gently at this wind speed) |
| | Brisk or strong, say about 5 to 9 km/hour (a flag wou | ald fly straight out at this wind speed) $\square_{2(J08602)}$ |
| | Any speed, the job gets done whenever it is possible | ;□ _{3(J08603)} |
| Se | ction 7 - Handling and storage of <u>liqui</u> | d manure |
| | | o a normal year* |
| 87. | Do you store <u>liquid manure</u> (slurry) from your beef opera | ation? |
| ΟΙ. | Yes □ _{1(J08701)} • Please complete Section | |
| | , | |
| | No $\square_{2(J08702)}$ \rightarrow Go to Section 8 (page 1 | 9) |
| 38. | How long do you usually store <u>liquid manure</u> collected of | over winter? (December to March) |
| | Is it stored? | |
| | Less than 1 month | □ _{1(J08801)} |
| | From 1 to less than 6 months | |
| | From 6 to less than 12 months | □ _{3(J08803)} |
| | 12 months or longer | |
| | Not stored over winter. | |
| 89. | How long do you usually store <u>liquid manure</u> collected find the stored? | rom spring to fall ? (April to November) |
| | Less than 1 month | □ _{1(J08901)} |
| | From 1 to less than 6 months | |
| | From 6 to less than 12 months | |
| | 12 months or longer | □ _{4(J08904)} |
| | Not stored over spring to fall | □ _{5(J08905)} |
| | 90. Do you separate solids from liquid manure (slurry)? | 91. What do you use to separate solids from liquid manure? |
| | Yes →Go to question 91 | Liquid drawn off top of tank□ _{1(J09101)} |
| | No | Settling ponds or weeping walls □ _{2(J09102)} |
| | Not applicable□ _{3(J09003)} Ψ Go to question 92 | |
| | | Presses (belt, screw or other)□ _{4(J09104)} |
| | | Other, <i>specify</i> : |
| | | |

| 92. | Which of the following describes the main (or largest) <u>lic</u> | <u>luid manure</u> storage space you used? |
|-----|--|---|
| | ls it a? | |
| | Tank above ground | |
| | Lined or cement pit | □ _{2(J09202)} |
| | Lagoon or dugout in ground | □ _{3(J09203)} |
| | Other storage, specify: | 4(J09204) |
| 93. | Is your main (or largest) liquid manure storage space | ? |
| | Open, so rain might get in | |
| | Covered with a roof | , |
| 0.4 | | , , |
| 94. | On your main (or largest) liquid manure storage, is there | |
| | A floating crust formed by the manure | |
| | A floating cover such as a floating lid or tarp | |
| | A floating cover such as straw | |
| | No floating cover or crust | |
| 95. | How do you usually manage <u>liquid manure</u> while it is in | storage? Is it? |
| | Not aerated or agitated until just before taken out | |
| | Aerated or agitated up to three times per month | |
| | Aerated or agitated four times or more per month | ¬3(J09503) |
| | What becomes of <u>liquid manure</u> on your operation? Is it eck all that apply. Spread on land (by you or someone else) Composted (then spread on land) Removed by contractor (don't know how it is used) | □ _{1(J09601)} □ _{2(J09602)} |
| | Other, specify: | 4(J09604) |
| 97. | What percentage of <u>liquid manure</u> (from your beef operations) | ation) is handled through each method you use? |
| | What percentage is? | % |
| | Spread on land (by you or someone else) | 1(J09701) |
| | Democrad by Contractor (don't know how it is used) | |
| | Removed by contractor (don't know how it is used) | |
| | Other, specify: | 3(J09703) |
| | | Total must be 100% |
| | 98. Do you put any additives into the <u>liquid manure</u> , to modify odour, pH or nutrient retention? Exclude litter. | 99. What types of additives do you use? Specify below: |
| | Yes □ _{1(J09801)} → Answer question 99 | 1(J09901) |
| | No □ _{2(J09802)} G o to question 100 | 2(100002) |

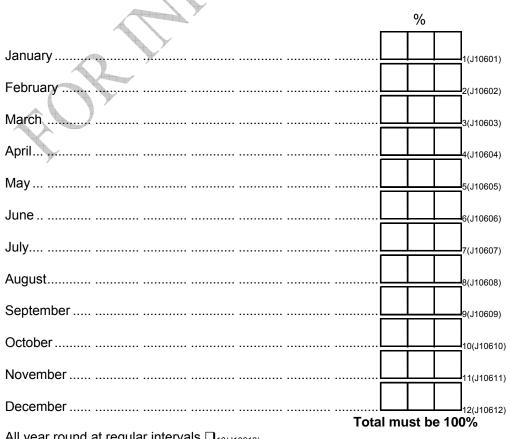
| | at are the dimensions of the surface area of your main (or largest) liquid manure storage space? oval give length and width. If round give diameter in Box 5 or 6). |
|---------|--|
| ` | feet _{1(J10001)} by feet _{2(J10002)} |
| | metres _{3(J10003)} by metres _{4(J10004)} |
| | (Box 5) (Box 6) |
| | diameter in feet _{5(J10005)} diameter in metres _{6(J10006)} |
| 101. Wł | eat is the depth (pit capacity) of your main (or largest) liquid manure storage? |
| | feet _{1(J10101)} Or metres _{2(J10102)} |
| Secti | on 8 – Land spreading of <u>liquid</u> manure <i>(slurry)</i> *Please refer to a normal year* |
| | iquid manure (slurry) from your beef operation usually spread on land (spread on any land by the operator or by meone else)? |
| | Yes □ _{1(J10201)} Ψ Please complete Section 8 |
| | No □ _{2(J10202)} → Go to Section 9 (page 22) |
| 103. Of | the total amount of <u>liquid manure</u> from your beef operation applied on land, what percentage is spread on? |
| | Tilled crop land (most crop residue tilled into soil) |
| | Reduced till crop land (most crop residue retained on surface) 2(J10302) → Answer question 106 |
| | Land covered with perennial or forage crops |
| | Other, specify: $4(J10304)$ \longrightarrow Go to question 107 |
| | Total must be 100% |
| | |

If applied on tilled land answer questions 104 and 105. Else go to question 106

| 104. Of the total (liquid) manure applied on tilled soil, what percentage is usually applied in each month? | 105. For each period, how many days after spreading is manure incorporated (<i>tilled</i>) into soil? If different for different fields, give the most common (Less than 2 hours = 0 days. From 2 to 24 hours = 0.5 days). |
|---|---|
| What percentage is applied in? | Days |
| January1(J10401) | January |
| February2(J10402) | February |
| March3(J10403) | March3(J10503) |
| April4(J10404) | April4(J10504) |
| May _{5(J10405)} | May5(J10505) |
| June6(J10406) | June6(J10506) |
| July _{7(J10407)} | July _{7(J10507)} |
| August8(J10408) | August |
| September9(J10409) | September9(J10509) |
| October | October0(J10510) |
| November | November1(J10511) |
| December Total must be 100% | December |
| All year round at regular intervals □ _{13(J10413)} | 13.(110513) |

If applied on reduced till or perennial crop land, answer question 106. Else go to question 107

106. Of the total (*liquid*) manure applied on <u>reduced till</u> or <u>perennial crop land</u>, what percentage is applied in each month:



All year round at regular intervals □_{13(J10613)}

| particular time of day? Yes | |
|---|---|
| → Answer question 108 | |
| · | 10 a.m. and 6 p.m□ _{1(J10801)} |
| | 6 p.m. and 10 a.m□ _{2(J10802)} |
| , , , | |
| | |
| 9. What best describes the consistency of the <u>liquid manur</u> | <u>e</u> on your operation? |
| Runny like water | 🗖 1(J10901) |
| Pea soup | □ _{2(J10902)} |
| Toothpaste | □ _{3(J10903)} |
| 0. What method do you usually use to spread <u>liquid manur</u> | |
| ve the approximate percentage of total <u>liquid manure</u> sprea | ad by each method. What percentage is? |
| Broadcast over soil surface, over stubble or residue | |
| Narrow bands on soil surface such as with drop hoses | or a sleighfoot |
| Shallow injected, where some of the manure remains o | n the soil surface 3(J11003) |
| Deep injected, where little of the manure remains on the | e soil surface |
| Irrigated (e.g. with a pivot gun) _{5(J11005)} | |
| Other, specify: | 6(J11006)7(J11007) |
| | Total must be 100% |
| 111. Does the method you use to spread <u>liquid manure</u> | 112. Do you usually? |
| change from season to season? | laisatia angian anfall basadasatia ayanga 🖸 |
| Yes → Answer question | Inject in spring or fall, broadcast in summer□ _{1(J11201)} |
| 1 53 | Other, specify: |
| No, same method used all year $\square_{2(J11102)}$ | |

| 114. In the past 3 years, has a chemical analysis of the <u>liquid manure</u> been done for levels of Nitrogen, Phosphorus, Potassium, | 115. What were the lab results? (Specify units of measure and range e.g., 45 to 53 kg Nitrogen per tonne or 0.45 to 0.53% nitrate Nitrogen). | | |
|--|---|--|--|
| micronutrient or moisture content? | | | |
| No. | Unit of measure codes: | | |
| Yes□ _{1(J11401)} →Answer question 115 | 1 = Kilograms (kg) per (metric) tonne of manure 2 = Pounds (lb) per (imperial) ton of manure 3 = Percentage | | |
| No□ _{2(J11402)} | Enter range in first eight boxes and enter the decimal point if needed. Enter unit of measure in last box to right e.g.: 0 | | |
| | identity (identity) | | |
| | | | |
| Section 9 - Odour management and no | r to a normal year* | | |
| T lease rete | i to a normal year | | |
| 116. At what stage of your operation's cycle, if any, is the | e odour of manure stronger than it is usually ? | | |
| Check all that apply. | | | |
| Is it more often stronger during? | | | |
| Barn cleaning | □ _{1(J11601)} | | |
| Land spreading | Land spreading □ _{2(J11602)} | | |
| Agitation of manure | □ _{3(J11603)} | | |
| Mixing or composting | □ _{4(J11604)} | | |
| Other, specify: | 5(J11605) | | |
| No differences throughout the year | G(J11606) | | |
| If no differences in odour throughout the year | r, go to question 119. | | |
| 117. How many times per year is the odour of manure fro | om your (<i>beef)</i> operation stronger than it is usually? | | |
| Time(s) _{1(J11701)} | | | |
| 118. Usually, how many days per year does this stronger | odour of manure last? | | |
| Day(s) _{1(J11801)} | | | |

| 119. What is the vegetation within 300 metres <i>(1000 feet)</i> to the north and west of y Check all that apply. | our feedlot or barns? |
|--|---|
| Nothing tall, there are no trees or tall shrubs (nothing taller than corn, for | example) □ _{1(J11901)} |
| Shelterbelt with leafed trees that shed leaves in fall | □ _{2(J11902)} |
| Shelterbelt with evergreen trees | □ _{3(J11903)} |
| Woodlot or forest | 🗖 _{4(J11904)} |
| 120. What is the vegetation within 300 metres (1000 feet) to the south and east of y Check all that apply. | our feedlot or barns? |
| Nothing tall, there are no trees or tall shrubs (nothing taller than corn, for | example) □ _{1(J12001)} |
| Shelterbelt with leafed trees that shed leaves in fall | |
| Shelterbelt with evergreen trees | |
| Woodlot or forest | |
| Agreement to share data | |
| Thank you for taking the time to participate in our survey. In order to avoid dupl entered into a data sharing agreement under Section 12 of the Statistics Act witl Canada to share responses from this survey. The Department will not be given identifiers and is required to keep the information confidential and use it only for purposes. | h Agriculture and Agri-Food your name, address or other |
| 121. Do you agree to share this information with Agriculture and Agri-Food Cana | ada? |
| Yes □ _{1(J12101)} | |
| No □ _{2(J12102)} | |
| Yes□ _{1(J12201)} | nent department. |
| | |
| Section 10 - Operator or interviewer comments | |
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Thank you for your cooperation.