

2006 Farm Environmental Management Survey Livestock Module



CONFIDENTIAL when completed

Collected under the authority of the Statistics Act, Revised Statutes of Canada, 1985, Chapter S19.

For interviewer use only

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TO THE RESPONDENT:

Objective of the survey:

Statistics Canada, with Agriculture and Agri-Food Canada, is conducting the Farm Environmental Management Survey in early 2007. This survey will gather information on management practices being used on the farm. The most accurate information about farming comes from producers like you.

The results of the survey will help guide research as well as inform environmental program and policy development in the department. Gathering accurate information on farm management practices will help researchers and policy makers focus efforts and resources on the areas and issues that need it most. Producers will ultimately benefit from such programs to help reduce environmental rick.

This questionnaire is to assist you in answering a telephone survey.

Complete this questionnairy and keep it by your telephone. An interviewer from Statistics Canada will telephone you after **February 11, 20**% to the information.

DO NOT MAIL this questionnaire. Only complete the sections applicable to your operation.

This is a voluntary survey conducted under Section 8 of the Statistics Act. Your cooperation is important to ensure that the information collected in this survey is as accurate as possible.

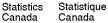
All information will be kept confidential under the Statistics Act.

Please refer to the calendar year 2006 when answering the questions.

La version française de ce questionnaire est disponible.

5-5100-503.1: 2007-01-18 STC/AGR-450-75054







Instructions to respondents:

For all questions about the management practices related to the crop and livestock on your operation, please consider the following:

- Practices related to all livestock on your operation, regardless of ownership, including those that are boarded, custom fed or fed under contract and pastured for others.
- Practices related to all livestock owned by you and held on crown land, community pastures and grazing projects.
- All practices related to the land on your operation whether the land area is owned, rented or crop-shared FROM OTHERS
 in 2006.
- Do not report livestock owned by you but kept on a farm, ranch or feedlot operated by someone else.
- Do not report practices on the land rented **TO OTHERS** in 2006.

Review the information on the label. If any information is incorrect or missing, plase mathe boxes below.	ke the necessary corrections in
FRM	
Farm Name (if applicable)	Area Code
NA 1 Surnam a or r mily Name	Telephone
Usual First Name and Initial	
ADR R.R. Number and Street	Name
Post Office (name of city, town or village when	re mail is received)
EML	
E-mail Address (if applicable)	
	Area Code
NA 3	
Partner's Name (if applicable)	Telephone
NA 4	
Partner's Name (if applicable)	Area Code
COR	Telephone
Corporation Name (if applicable)	1 0.001.0.10

(Report a custom-f	what types of livestock or poultry production did you have on your operation? all animals on this operation, regardless of ownership, including those that are boarded, ed or fed under contract. Exclude animals owned but kept on another farm or ranch by someone else)	3. Which type of livestock or poultry production contributed most to your gross farm receipts?
(Check all tha	at apply)	(Check one only)
	Dairy cattle and/or milk production (breeding bulls, cows, replacements, dairy heifers and dairy calves)	0
	Beef cattle including feedlot (bulls, cows, beef heifers, steers and beef calves)	0
	Pork production (boars, sows for breeding, bred gilts and all other pigs)	0
	Poultry and/or egg production (broilers, roasters, laying hens, chicks intended for laying, turkeys, ducks and geese)	0
	Other livestock or poultry production - specify: (exclude household pets)	0
	Crops only, no livestock or poultry production (Go to ques ion 4.)	
	FioR THIR	

Section I. Livestock Inventories and Buildings

4.	In 2006, were there an	y livestock kept	permanently outside	of building on	your operation?
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5. In 2006, how many and what type of livestock or poultry were kept permanently outside?

Cattle and calves

Calves, under 1 year old

Steers, 1 year and over

Heifers, 1 year and over

Cows

Bulls, 1 year and over

Other livestock or poultry
(bison, llamas, deer, elk,

6. In 2006, were there any buildings where livestock was housed on your operation?



etc., exclude wild animals)

7. In 2006, how many livestock buildings were on your operation? (Exclude calf hutches)

Number of buildings where livestock were housed: _____

AND CALVES: Inder 1 year old		Building 1	Building 2	Building 3	Building 4	Building
year and over	ND CALVES:					
year and over	der 1 year old					
digits for breeding and weaner pigs and finishing pigs and finishing pigs are seen and an an and an and an	ear and over					
ear and over	year and over					
d gilts for breeding and weaner pigs and finishing pigs and finishing pigs are seen and an analysis and finishing pigs are seen and an analysis are seen and an analysis are seen and analysis are see						
gilts for breeding	and over					
ilts for breeding		•				l
gilts for breeding						
asters and er 19 weeks, or laying				7		
asters and er 19 weeks, or laying s, 19 weeks and over	ilts for breeding					
asters and er 19 weeks, or laying	d weaner pigs			4		
r 19 weeks, r laying	inishing pigs					
r 19 weeks, or laying		1	'	>		l
der 19 weeks, for laying						
r 19 weeks, r laying	sters and	1		1	1	1
19 weeks, laying						
weeks and over						
9 weeks and over			,			
STOCK OR POULTR': (horses, ponies, mink, fox, goats, wild boar, geese,		}				
restock or Poultre: (norses, ponies, mink, rox, goats, wild boar, geese,	VESTOCK OF BOUL TRY.	manian mint for	v svente vvilal benev			
atom activistics are seen at a N		s, ponies, mink, rox	, goats, wild boar	, geese,		
osters, ostricries, emilia etc.)	sters, ostricnes, emus etc.)	1	1	ı		Ī
osters, ostriches, emus etc.)	VESTOCK OR POULTR' (: (horses		goats, wild boar	, geese,		
	Y					

9. In 2006, how was air quality controlled in	n each livestock	building?			
(Check all that apply)	D 71 11 4	D 11 11 2	D 11 11 2	D 71 17	D 71 11
	Building 1	Building 2	Building 3	Building 4	Building 5
Forced ventilation with filter on					
exhaust fans					
Forced ventilation, no filter					
Passive/natural ventilation (side					
curtains, or vent panels)				<u>-</u>	
Other, specify:					
Other, specify					
10. If forced ventilation was used (question	9), how was the	ventilation rate	control ed?	/	
			1		
	Building 1	Building 2	Duriding 3	Building 4	Building 5
			<i>y</i>		
With fans switched automatically	_		_	_	_
(with thermostat/computer)	0	0	0	0	0
With fans switched manually	0	0	0	0	0
Other, specify:	0//	0	00	0	0 0 0
Don't know	0	O	O	O	O
Not applicable, no forced		\circ	0	0	0
ventilation					
11. If forced ventilation with filter on exhaus	t fan was used (question 9), wha	at is the frequen	cy of filter chang	je?
^()}					
	Building 1	Building 2	Building 3	Building 4	Building 5
>					
Every month					
Every 2 to 5 months) C) C	00	\circ	
Every 6 to 11 months	Ö	Ö	0	Ŏ	Ŏ
Every year	000000	00000		00000	000000
Less frequently than every year	Ō	Ō	00	Ō	Ō
Don't know	0	0	0	0	0
Not applicable, no forced ventilation	0	0	0	0	0

Section II A - Liquid and/or S	emi-solid Ma	nure			
12. In 2006, were there any liquid and/ (semi-solid or "pumpable" manure)	or semi-solid maı	nure storage syst	ems used on you	r operation?	
Yes	No O	(Go to question 2	24)		
13. In 2006, how many liquid a (Include earthen manure sto					
		number of stora	ge systems	4	
	Storage 1	Storage 2	Storage 3	Storay 4	Storage 5
14. What was the type of each liquid and/or semi-solid manure storage system?					
Γ					
Г	OSquare Feet	OSquare Feet	Square Feet	OSquare Feet	O Square Feet
	O Square Metres	Square Metres	Square Metres	Square Metres	O Square Metres
SURFACE OR			/		
15. What was the size	Length Width	Length Width	Length Width	Length Width	Length Width
(<u>surface</u> area or <u>L</u> diameter or	Feet	Feet	Feet	O Feet	Feet
<u>volume</u>) of each liquid and/or	O Metros	Metres	Metres	O Metres	Metres
semi-solid manure storage system?	() () ards	O Yards	O Yards	O Yards	O Yards
OR 📙			 	 	 I I
	Feet	Feet	Feet	Feet	Feet
DIAMZ. ER	Metres	O Metres	OMetres	OMetres	Metres
ØR _	O Yards	O Yards	Yards	○ Yards	O Yards
	Imperial gallons	Imperial gallons	Imperial gallons	Olmperial gallons	Imperial gallons
VOLUME	Litres	Litres	Litres	Clitres	Litres
	Other, specify:	Other, specify:	Other, specify:	Other, specify:	Other, specify:
16. What was the depth (deepest	<u> </u>	 	<u></u>	 	
part) of each liquid and/or semi-solid manure storage	Feet	Feet	Feet	Feet	Feet
system?	O Metres	OMetres	Metres	O Metres	O Metres
	O Yards	OYards	O Yards	O Yards	O Yards

		Storage 1	Storage 2	Storage 3	Storage 4	Storage 5
17.	What was the storage capacity of each liquid and/or semi-solid manure storge system?	O Days O Months	O Days O Months	O Days O Months	O Days O Months	O Days O Months
18.	Was there a cover over the storage system? (Include crust, straw, lid, tarp)	O Yes O No O Don't know	Yes No Don't know	O Yes O No O Don't know	Yes No Don't know	Yes No Don't know
	If yes, specify covering material					
19.	What was the material used for the floor or floor lining of the liquid and/or semi-solid storage system?			~Ô		
		O Don't know	O Don't know	C)Don t know	O Don't know	O Don't know
20.	What was the material used for the walls of the storage system?					
		O Don't know	O Jon't know	O Don't know	O Don't know	O Don't know
21.	For each liquid and/or semi-solid manure storage system, what was the <u>normal distance</u> to the nearest water source?	TEO T	7			
	Normal distance to nearce well					1 3 3 3 3
		O Feet O Metres O Yards O Not applicable	Feet Metres Yards Not applicable	Feet Metres Yards Not applicable	Feet Metres Yards Not applicable	Feet Metres Yards Not applicable
	Normal distance to nearest surface water (Surface water includes dugout, reservoir, pond, stream, creek, river, lake, wetland, ditches, marsh or slough)	Feet Metres Yards Not applicable	Feet Metres Yards Not applicable	Feet Metres Yards Not applicable	Feet Metres Yards Not applicable	Feet Metres Yards Not applicable

22. Which of th	ne following treatments were used for the liquid and/or semi-solid manure stored on your operation in 2006?
Was liquid	and/or semi-solid stored manure?
(Check all t	hat apply)
☐ ae ☐ filt ☐ dig ☐ mi ☐ mi ☐ pro ☐ dri	rated or agitated ered through a marsh (constructed wetland) gested in an anaerobic system xed with additives to modify odour, pH or nutrient retention xed or turned to accelerate composting ocessed to separate liquid from solid ed her, specify:
23. What beca	me of the liquid and/or semi-solid manure that was store on your operation in 2006?
Was liquid	and/or semi-solid manure?
(Check all t	hat apply)
□ so □ rer	read on the land you operated (by you, an emplo, se or someone else) Id or given to others moved by contractor ther, specify: (C2306) one
Section II B	- Solid Manure
	~() ×
	d you sore solid manure on your agricultural operation? iid manure piles on the ground or packs in barns, pens, corrals, feeding sites)
Yes 🔘	No
↓ (Go to ques	tion 25) (Go to question 35)

	Pile(s) on the ground near livestock building(s)	Pile(s) on the ground near land application site(s)	Manure packs in barns, pens, corrals, feeding sites
25. Were any of the following types of solid manure storage system	○ Yes	O Yes	O Yes
used in 2006?	O No	O No	O No
26. For each solid manure storage system, was	O Yes for all	O Yes for all	O Yes for all
manure stored on an impermeable pad?	O Yes for some	O Yes for some	Yes for some
impermeasie paur	○ No	O No	C No
	O Don't know	O Don't know	O Don't know
27. For each solid manure storage system, does	Yes for all	O Yes for all	O Yes for all
the system have run-off containment?	Yes for some	Yes for some	O Yes for some
	○ No	O No	○ No
	O Don't know	C Dun't know	O Don't know
28. For each solid manure	O Yes for all	O Yes for all	O Yes for all
storage system, was there a roof or cover?	O Yes for some	O Yes for some	O Yes for some
	O No	O No	O No
29. If yes, what was the	O Don't know	O Don't know	O Don't know
covering material?	4		
30. How long is solid manure collected over the winter	C Less than 1 month	O Less than 1 month	O Less than 1 month
usually stored? (December to March)	1 month to less than 6 months	1 month to less than 6 months	1 month to less than 6 months
(Bosoniae) to Maion,	6 months to less than	6 months to less than	6 months to less than
	12 months and longer	12 months and longer	12 months and longer
7	Not stored over winter	Not stored over winter	Not stored over winter
31. How long is solid manure collected over spring	O Less than 1 month	O Less than 1 month	O Less than 1 month
to fall usually stored? (April to November)	1 month to less than 6 months	1 month to less than 6 months	1 month to less than 6 months
(· /-···	6 months to less than	6 months to less than 12 months	6 months to less than
	12 months and longer	12 months and longer	12 months and longer
	Not stored over spring to fall	Not stored over spring to fall	Not stored over spring to fall

			İ
	MINIMUM DISTANCE MAINTAINED from pile(s) on the ground near livestock building(s)	MINIMUM DISTANCE MAINTAINED from pile (s) on the ground near land application site(s)	NORMAL DISTANCE from manure packs in barns, pens, corrals, feeding site
istance to <u>nearest well</u>			
	OFeet	OFeet	O(Feet
	OMetres	OMetres	O n'etres
	O Yards	O Yards	C Yards
	O Not applicable	O Not applicable	O Not applicable
istance to <u>nearest surface</u>		\ \ \	
r <u>ater</u> Surface water includes ugout, reservoir, pond, tream, creek, river, lake,			
retland, ditches, marsh or lough)	OFeet	○Feat	O Feet
ougn)	OMetres	O , 1etres	O Metres
	○ Yards	O Yards	O Yards
	O Not applicable	O Not applicable	O Not applicable
3 Which of the following tre	eatments were used for the solid	l manure stored on your operati	on in 20062
Was solid manure?	dulicins were read of the solid	i manare stored on your operati	on in 2000.
(Check all that apply)		and and in a	
	es to mudify odour, pH or nutrient	retention	
Other, specify:			
None			
4. What became of the solid	manure that was stored on you	r operation in 2006?	
Was solid manure?			
(Check all that apply)			
spread on the land	d you operated (by you, an employ	ree or someone else)	
sold or given to oth	ners		
removed by contra	actor		
Other, specify:			

Yes) No Q					
	↓ (Go to ques	tion 46)				
3	6. How many of each type of livestock were gr	azed during the 2006 gra	nzing seasor	n on you	ır operation?	
					Number	
	Cattle and calves	Calves, under 1 year old		-		
		Steers, 1 year and over		1		
		Heifers, 1 year and over				
		Cows		$\langle \mathcal{V} \rangle$	· 	
		Bulls, 1 year and over				
	Other livestock or poultry	specify:				
		~ (O)				
		\				
37. Do vo	ou practice rotational grazing (i.e. regularly inv	ing livestock to different	t pastures o	r grazin	g paddocks	
	ou practice rotational grazing (i.e. regularly in organization ghout the grazing season)? (Only consider act			r grazin	g paddocks	
	ghout the grazing season)? (Only consider act			r grazin	g paddocks	
throu	ghout the grazing season)? (Only consider act	vely managed rotational g	razing)	1	g paddocks al land for pasture	
Yes (For the ne pasture: 38. In 200	ext questions, consider the following two types 6, what area of each type on pasture was used	vely managed rotational g	razing)	1		
Yes (For the ne pasture: 38. In 200	wat questions, consider the follows a two types	vely managed rotational g	razing)	1		
Yes (For the ne pasture: 38. In 200 for gra	ext questions, consider the following two types 6, what area of each type on pasture was used	vely managed rotational g	razing)	Natura		
For the nepasture: 38. In 200 for gra (Special Special Speci	ext questions, consider the follows a two types 6, what area of each type of pasture was used azing on your ope, ation? ify the unit of measure used) 6, on average, for how many days was each ty	of Tame or seeded p	asture	Natura	al land for pasture	
For the ne pasture: 38. In 200 for gradients (Special Special	ext questions, consider the follows a two types 6, what area of each type or pasture was used azing on your operation? ify the unit of measure used)	of Tame or seeded p	asture	Natura	al land for pasture	
For the ne pasture: 38. In 200 for gradients (Special Special	ext questions, consider the follows a two types 6, what area of each type or pasture was used azing on your operation? 6, on average, for how many days was each tysture grazed on your operation?	of Tame or seeded p	asture	Natura	al land for pasture	
Yes (For the nepasture: 38. In 200 for gradients (Special Special Spe	ext questions, consider the following two types 16, what area of each type of pasture was used azing on your operation? 16, on average, for how many days was each type of pasture grazed on your operation? 16 on average, for how many days was each type of pasture for different fields, give the average)	of Tame or seeded p Acres	asture	Natura	al land for pasture	
Yes (For the nepasture: 38. In 200 for gradients (Special Special Sp	ext questions, consider the follows a two types 6, what area of each type of pasture was used azing on your operation? 6, on average, for how many days was each type of pasture grazed on your operation? 6, on average, for how many days was each type of the different fields, give the average) was the grass or forage height on each type of the when livestock were finished grazing the area.	of Tame or seeded p Acres	asture	Natura	al land for pasture	

41. If tame or seeded pasture areas were on your operation, at what time interval were they re-seeded? Every 3 to 5 years					
Every 3 to 5 years C	operation, at what time interval were they	Every 1 to 2 years	0		
Every 11 to 15 years Every 16 years or more Never re-seeded Don't know 42. In 2006, were any of the following practices used to extend the grazing season? (Check all that apply) Using forages that grow in early spring Using forages that grow in late fall Supplementing grazing areas with additional hay Grazing swathed or cut/windrowed crops during winte. Grazing standing vegetation or annual crop resional during winter Other, specify: None Don't know 43. In 2006, were any of the following mactices used when feeding livestock in an open feeding area? (Exclude corrals and feedlots) (Check all that apply) Livestock are in the finan open feeding area Move feeding sites to different locations Move washering is the same part of the open feeding area Other, specify: None	re-seeded?	Every 3 to 5 years	0		
Every 11 to 15 years Every 16 years or more Never re-seeded Don't know 42. In 2006, were any of the following practices used to extend the grazing season? (Check all that apply) Using forages that grow in early spring Using forages that grow in late fall Supplementing grazing areas with additional hay Grazing swathed or cut/windrowed crops during winte. Grazing standing vegetation or annual crop resionas during winter Other, specify: None Don't know 43. In 2006, were any of the following mactices used when feeding livestock in an open feeding area? (Exclude corrals and feedlots) (Check all that apply) Livestock are in the lin an open feeding area Move feeding sites to different locations Move we gring sites to different locations Move we gring sites to different locations Livestock are usually in the same part of the open feeding area Other, specify: None		Every 6 to 10 years	0		
A2. In 2006, were any of the following practices used to extend the grazing season? (Check all that apply) Using forages that grow in early spring Using forages that grow in late fall Supplementing grazing areas with additional hay Grazing swathed or cut/windrowed crops during winter Other, specify: None Don't know 43. In 2006, were any of the following practices used when feeding livestock in an open feeding area? (Exclude corrals and feedlots) (Check all that apply) Livestock are not be following practices used when feeding livestock in an open feeding area Move feeding sites to different locations Move watering sites to different locations Livestock are usually in the same part of the open feeding area Other, specify: None	give the average)	Every 11 to 15 years	0		
42. In 2006, were any of the following practices used to extend the grazing season? (Check all that apply) Using forages that grow in early spring Using forages that grow in late fall Supplementing grazing areas with additional hay Grazing swathed or cut/windrowed crops during winter Grazing standing vegetation or annual crop resion as during winter Other, specify: None Don't know 43. In 2006, were any of the following practices used when feeding livestock in an open feeding area? (Exclude corrals and feedlots) (Check all that apply) Livestock are not feed in a sites to different locations Move sheltering / bedding sites to different locations Move sheltering / bedding sites to different locations Livestock are usually in the same part of the open feeding area Other, specify: None		Every 16 years or more	0		
42. In 2006, were any of the following practices used to extend the grazing season? (Check all that apply) Using forages that grow in early spring Using forages that grow in late fall Garzing swathed or cut/windrowed crops during winte. Grazing standing vegetation or annual crop resions during winter Other, specify: None Don't know 43. In 2006, were any of the following mactices used when feeding livestock in an open feeding area? (Exclude corrals and feedlots) (Check all that apply) Livestock are not tend in an open feeding area Move feeding sites to different locations Move wallering / bedding sites to different locations Move sheltering / bedding sites to different locations Livestock are usually in the same part of the open feeding area Other, specify: None		Never re-seeded	0		
(Check all that apply) Using forages that grow in early spring Using forages that grow in late fall Supplementing grazing areas with additional hay Grazing swathed or cut/windrowed crops during winter Grazing standing vegetation or annual crop resions during winter Other, specify: None Don't know 43. In 2006, were any of the following practices used when feeding livestock in an open feeding area? (Exclude corrals and feedlots) (Check all that apply) Livestock are not not in an open feeding area Move feeding sites to different locations Move was gring sites to different locations Move sheltering / bedding sites to different locations Livestock are usually in the same part of the open feeding area Other, specify: None		Don't know	0		
Check all that apply Using forages that grow in early spring Using forages that grow in late fall Supplementing grazing areas with additional hay Grazing swathed or cut/windrowed crops during winter Grazing standing vegetation or annual crop resion is during winter Other, specify: None Don't know 43. In 2006, were any of the following practices used when feeding livestock in an open feeding area? (Exclude corrals and feedlots) (Check all that apply) Livestock are n, if n, if in an open feeding area Move feeding sites to different locations Move watering sites to different locations Move sheltering / bedding sites to different locations Livestock are usually in the same part of the open feeding area Other, specify: None					
(Check all that apply) Using forages that grow in early spring Using forages that grow in late fall Supplementing grazing areas with additional hay Grazing swathed or cut/windrowed crops during winter Grazing standing vegetation or annual crop resions during winter Other, specify: None Don't know 43. In 2006, were any of the following practices used when feeding livestock in an open feeding area? (Exclude corrals and feedlots) (Check all that apply) Livestock are not to different locations Move was pring sites to different locations Move was pring sites to different locations Move sheltering / bedding sites to different locations Livestock are usually in the same part of the open feeding area Other, specify: None			7		
Using forages that grow in early spring Using forages that grow in late fall Supplementing grazing areas with additional hay Grazing swathed or cut/windrowed crops during winter Grazing standing vegetation or annual crop resion is during winter Other, specify: None Don't know 43. In 2006, were any of the following practices used when feeding livestock in an open feeding area? (Exclude corrals and feedlots) (Check all that apply) Livestock are in if ted in an open feeding area Move feeding sites to different locations Move walering sites to different locations Move sheltering / bedding sites to different locations Livestock are usually in the same part of the open feeding area Other, specify: None	42. In 2006, were any of the following practices used to	o extend the grazing season?) >		
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Supplementing grazing areas with additional hay Grazing swathed or cut/windrowed crops during winte. Grazing standing vegetation or annual crop resion is during winter Other, specify: None Don't know 43. In 2006, were any of the following practices used when feeding livestock in an open feeding area? (Exclude corrals and feedlots) (Check all that apply) Livestock are not be different locations Move feeding sites to different locations Move wa ering sites to different locations Livestock are usually in the same part of the open feeding area Other, specify: None					
Grazing swathed or cut/windrowed crops during winte. Grazing standing vegetation or annual crop residence during winter Other, specify: None Don't know 43. In 2006, were any of the following practices used when feeding livestock in an open feeding area? (Exclude corrals and feedlots) (Check all that apply) Livestock are not feed in an open feeding area Move feeding sites to different locations Move was aring sites to different locations Move sheltering / bedding sites to different locations Livestock are usually in the same part of the open feeding area Other, specify: None	☐ Using forages that grow in late fall				
Grazing standing vegetation or annual crop resions during winter Other, specify: None Don't know 43. In 2006, were any of the following practices used when feeding livestock in an open feeding area? (Exclude corrals and feedlots) (Check all that apply) Livestock are not to different locations Move feeding sites to different locations Move was aring sites to different locations Move sheltering / bedding sites to different locations Livestock are usually in the same part of the open feeding area Other, specify: None	☐ Supplementing grazing areas with additional	hay			
Other, specify: None Don't know 43. In 2006, were any of the following practices used when feeding livestock in an open feeding area? (Exclude corrals and feedlots) (Check all that apply) Livestock are not tend in an open feeding area Move feeding sites to different locations Move was gring sites to different locations Move sheltering / bedding sites to different locations Livestock are usually in the same part of the open feeding area Other, specify: None	☐ Grazing swathed or cut/windrowed crops duri	_			
None Don't know 43. In 2006, were any of the following practices used when feeding livestock in an open feeding area? (Exclude corrals and feedlots) (Check all that apply) Livestock are not to 1 in an open feeding area Move feeding sites to different locations Move wa ering sites to different locations Move sheltering / bedding sites to different locations Livestock are usually in the same part of the open feeding area Other, specify: None	☐ Grazing standing vegetation or annual crop re	esio ג יs d (ring winter			
43. In 2006, were any of the following practices used when feeding livestock in an open feeding area? (Exclude corrals and feedlots) (Check all that apply) Livestock are not text in an open feeding area Move feeding sites to different locations Move was ering sites to different locations Move sheltering / bedding sites to different locations Livestock are usually in the same part of the open feeding area Other, specify: None	Other, specify:				
43. In 2006, were any of the following practices used when feeding livestock in an open feeding area? (Exclude corrals and feedlots) (Check all that apply) Livestock are not feed in an open feeding area Move feed in a sites to different locations Move watering sites to different locations Move sheltering / bedding sites to different locations Livestock are usually in the same part of the open feeding area Other, specify: None	None	<i>></i>			
(Exclude corrals and feedlots) (Check all that apply) Livestock are not tend in an open feeding area Move feeding sites to different locations Move watering sites to different locations Move sheltering / bedding sites to different locations Livestock are usually in the same part of the open feeding area Other, specify: None	☐ Don't know	,			
(Exclude corrals and feedlots) (Check all that apply) Livestock are not text in an open feeding area Move feeding sites to different locations Move watering sites to different locations Move sheltering / bedding sites to different locations Livestock are usually in the same part of the open feeding area Other, specify: None					
(Check all that apply) □ Livestock are not foot in an open feeding area □ Move feeding sites to different locations □ Move watering sites to different locations □ Move sheltering / bedding sites to different locations □ Livestock are usually in the same part of the open feeding area □ Other, specify: □ None	43. In 2006, were any of the following practices used v	when feeding livestock in an open	feeding area?		
Livestock are not to different locations Move feeding sites to different locations Move watering sites to different locations Move sheltering / bedding sites to different locations Livestock are usually in the same part of the open feeding area Other, specify: None	(Exclude corrals and feedlots)				
 Move feeding sites to different locations Move watering sites to different locations Move sheltering / bedding sites to different locations Livestock are usually in the same part of the open feeding area Other, specify: None 	(Check all that apply)				
 Move wa ering sites to different locations Move sheltering / bedding sites to different locations Livestock are usually in the same part of the open feeding area Other, specify: None 	Livestock are not be 1 in an open feeding area	r			
 ☐ Move sheltering / bedding sites to different locations ☐ Livestock are usually in the same part of the open feeding area ☐ Other, specify: ☐ None 	☐ Move feeding sites to different locations				
☐ Livestock are usually in the same part of the open feeding area ☐ Other, specify: ☐ None	☐ Move watering sites to different locations				
☐ Other, specify: ☐ None	☐ Move sheltering / bedding sites to different lo	cations			
None	\square Livestock are usually in the same part of the	open feeding area			
	Other, specify:				
☐ Don't know	None				
	☐ Don't know				

44. In 2006, were any pastures or grazing paddocks adjacent to surface water on your operation?					
(Surface water includes dugout, reservoir, pond, stream, creek, river, lake, wetland, ditches, marsh or slough)					
Yes O No O					
(Go to question 4	6)				
45. In 2006, what type of access did grazing livestocl	k have to surface water bodies?				
(Surface water includes dugout, reservoir, pond, stre	am, creek, river, lake, wetland, ditches, marsh or slough)				
O Unlimited year round access	4				
O Unlimited access for the entire grazing season					
O Unlimited access for the winter feeding season					
○ Limited access	If limited or no access, which of the following practices was used to restrict acress?				
O No access	(Check all that apply)				
	☐ Fencing shoreline				
	[7] kemote or offsite watering system to a trough				
	Li Access ramps for direct watering				
	Stream crossings				
	☐ Limited or controlled grazing in riparian areas or				
	adjacent to surface water				
	Other, specify:				
Section IV - Wildlife Demage	Section IV - Wildlife Danage				
46. In the last 5 years, was there any damage or injury to the I groups?	ivestock on your operation by any of the following wildlife				
(Check all that apply)					
☐ Bears					
Raccoons					
☐ Birds					
Other predators (foxes, wolves, lynxes, coyotes, etc.					
Other, specify:					
No damage caused by wildlife on my operation					
(Go to question 48)					

47.	In the last 5 years, how many livestock or poultry were injured	or killed by wildlife on your o	pperation?
		Number <u>injured</u>	Number killed
	D 1 0 W		
	Dairy Cattle		
	Beef Cattle		
	Hogs		
	Poultry		
	Other, specify:		/
48.	In the last 5 years, were any of the following practices used to	reduce the impact of wildlife	Namage or injury to the
	livestock on your operation?		comago or mjary to mo
	(Check all that apply)		
	☐ Fencing to protect stored feed and livestock		
	☐ Scaring devices or repellent systems		
	☐ Shooting or trapping by yourself or others		
	☐ Night penning near barn		
	☐ Guardian animals		
	☐ Border cropping	Y	
	□ Netting		
	Other, specify:		
	☐ No practices used specifically to reduce the impact of wild	life damage	
49.	In the last 5 years, was there any damage to BUILDINGS/EQUIF	PMENT on your operation cau	used by wildlife?
	Yes O No O		
	(Go to question 51)		
	50. If yes, what was the damage?		
	Specify:		
51.	In the last 5 years, did your operation receive any payments for	r the following purposes?	
	(Check all that apply)		
	Financial compensation for wildlife damage		
	☐ Financial compensation for conservation of wildlife habitate	3	
	Payments for the purchase of land or for easement by wild	llife conservation organizations	
	☐ Payments for land use/management agreement		
	☐ None of the above		

Section V - Land and Water Management Practices

52. In 2006, were any of the following practices used on the land you operated?

If yes, specify the area for each practice used.

you use eck all that apply)	Area	Unit of measure
Cover or companion crops (crop seeded within an existing row between solid seeded crop, or intercropped)		O Acres O Hectares O Arpents
winter cover or green manure crops seeded alone after previous crop harvest		Acres O Arpents
☐strip cropping		Acres O Hectares O Arpents
☐contour or across the slope cropping		O Acres O Hectares O Arpents
terracing (large soil ridges constructed on the contour or across the slope)		O Acres O Hectares O Arpents
permanent perennial forages on erodible land		O Acres O Hectares O Arpents
straw mulching (spread straw on erodible lanc)		O Acres O Hectares O Arpents
☐farmstead shelterbelts/wind'breaks		O Acres O Hectares O Arpents
☐field shelterbelts (tree ', s')rubs)		O Acres O Hectares O Arpents
□ land with surface or subsurface drainage (e.g. constructed surface water channels or tile drainage)		O Acres O Hectares O Arpents
Other, specify:		O Acres O Hectares O Arpents

The following questions are about land use changes.			
Woodlands include woodlots, sugarbush, tree windbreaks, bush	nes, shelterbelts.		
	Area Un	it de measure	
53. <u>In 2006</u> , what was the total woodland area on your operation?		Acres Hectares Arpents	
54. Over the last five years, how much land area was changed FROM woodland TO pasture or cultivated cropland?		O Acres O Hectares O Arpents	
55. Over the last five years, how much land area was changed FROM pasture or cultivated cropland TO woodland?		Ac es Hectares Arpents	
56. <u>In 2006</u> , how much land area was changed FROM cultivated cropland TO pasture?		O Acres O Hectares O Arpents	
57. <u>In 2006</u> , how much land area was changed FROM pasture (tame, seeded and natural) TO cultivated cropland?		O Acres O Hectares O Arpents	
Wetlands			
Different types of wetlands may be distinguished by the amount communities they harbour. Temporary wetlands usually confiction.			
Seasonal wetlands normally have water present until mid sums sloughs, potholes, seasonally flooded mearlows, warshes and to		Examples include ponds,	
Permanent wetlands are flooded year round except for extreme	ne drought periods.		
Riparian buffer area includes both permanent planted or natural waterway, extending upslope iron the normal shoreline.	al vegetation adjacent to a seasonal or p	ermanent wetland or	
Setback distance is the distance between the normal shoreline of a seasonal or permanent wetland or waterway, extending upslope to the edge of monure fertilizer or pesticide applications.			
58. Were there any <u>seasonal</u> wetlands on or adjacent to the	e land you operated in 2006?		
Yes Q No Q	Don't kno	w Q	
(Go to ques	stion 65) (Go to que	estion 65)	
59. If yes, what was the total area of the <u>seasonal</u> v	wetlands?		
	Acres O Hectares	O Arpents	

60. Did you maintain a riparian buffer area	around the <u>seasonal</u> wetland:	s?		
Yes	No O (Go to question 62)			
61. If yes, how wide was it? (If it v	aried for different wetlands, give	e the average width)		
	Feet	Metres	O Yards	
62. Did you maintain a setback distance arc	ound the <u>seasonal</u> wetlands?		4	
Yes	No 🔾			
	(Go to question 64)			
63. If yes, how wide was it? (If it va	aried for different wetlands, give	the averag a wid h)	,	
	○ Feet	Metres	O Yards	
64. Did you stabilize shorelines or banks to	prevent erosion?	9		
Yes O	No O			
65. Were there any <u>permanent</u> wetlands on	or adjacent to the land you o	perated in 2006?		
Yes	No C	Don't	know \bigcap	
	(Go o question 72)	(Go to	o question 72)	
66. If yes, what was the total and c	of the <u>permanent</u> wetlands?			
	Acres	OHectares	O Arpents	
67. Did you maintain a ripa ำลก 5uffer area ส	around the <u>permanent</u> wetlan	ds?		
67. Did you maintain a ripa, an Suffer area a	around the <u>permanent</u> wetlan	ds?		
		ds?		
	No Q (Go to question 69)			
Yes O	No Q (Go to question 69)		O Yards	
Yes O	No (Go to question 69) aried for different wetlands, give	e the average width)	○ Yards	
Yes O	No (Go to question 69) aried for different wetlands, give	e the average width)	○ Yards	
Yes O	No (Go to question 69) aried for different wetlands, give	e the average width)	O Yards	

69. Did you maintain a setback distance aroun	d the <u>perma</u>	anent wetlands?			
Yes	No O	stion 71)			
70. If yes, how wide was it? (If it varied			e average width)		
(Feet	Metres	O Yards	
			O on		
71. Did you stabilize shorelines or banks to pro	event erosio	on?			
Yes	No 🔘			1	
Waterways					
Waterways include grassed waterways, coulees, t	reed waterw	ays, ditches, creek	s, streams.		
Riparian buffer area includes permanent natural of	or planted ve	getation adjacent to	o surfac + wate r.		
Setback distance/separation is distance between	n surface wa	ter and manure, fer	tilizer or pesticides a	pplications.	
72. Were there any waterways on or adjacent t	o the land y	ou operated in 20	JU 7?		
Yes	No O		Don't kr	now \bigcirc	
	(Go to que	stio. 79)	(Go to c	question 79)	
↓ 73. If yes, what was the total length of	the <u>w</u> əte <u>rw</u>	<u> </u>			
	()) eet	O Metres	O Yards	O Miles	O Kilometres
74. Did you maintain a riparian buffer area and	und the wat	erways?			
Yes	No O				
	(Go to que:	stion 76)			
75 If was how with was \$2 (16 it was		·			
75. If yes, how wide was it? (If it varied		_	_	O Vanda	
		Feet	Metres		
76. Did you maintain a setback distance from t	he <u>waterwa</u>	<u>ys</u> ?			
Yes	No \bigcap				
ļ	(Go to que	stion 78)			
77. If yes, how wide was it? (If it varie	d for differer	nt waterways, give t	he average width)		
		Feet	Metres	O Yards	
78. Did you stabilize shorelines or banks to pro	event erosi	on?			
Yes	No O				

		- 20 -	
Doı	mestic Water		
79.	In 2006, were there any active water wells of	on the land you operated?	
	Yes	No Q	Don't know
		(Go to question 81)	(Go to question 81)
	80 If yes how often is the water tester	d to meet quality standards for human a	nd/or livestock consumption?
	(If different for different wells, give the		maror invoscosic concernipation.
	At least once a year	o avorago,	4
	O Every 2 years		
	Every 3 to 5 years		
	Every 6 years or more		
	O Not tested/not a concern	_)
	O Never		
	O Don't know	$\mathcal{A}(\mathcal{O})^{\vee}$	
81.	In 2006, were there any abandoned water w	vells on the land you operated?	
	Yes	No Q	Don't know
		(Gc 'n question 83)	(Go to question 83)
	82. If yes, have these abandoned we'ls	s be in decommissioned?	
	(wells filled in, capped)		
	O All decommis ioned		
	O Some riec immissioned		
	O None		
	C Don't know		
	Y		

- 21 -**Section VI - Waste Management and Hazardous Materials** 83. In 2006, how were the following materials stored on your farm operation? (Check all that apply) **Pesticides Petroleum Products** (insecticides, Commercial Oil and herbicides, **Fertilizers** Fuel Grease fungicides) Building with a concrete floor or pad П Building without a concrete floor or pad Above ground sealed tank Other, specify:__ Not stored on the farm operation Pestinides **Petroleum Products** (insectic ides, Commercial Oil and h∟~hicides, **Fertilizers Fuel** Grease i 'ngicides) O Yes O Yes O Yes 84. Did the storage site have a containment O No O No O No system to handle spills? O n/a O n/a 85. In 2006, how were these products (including their containers) disposed of? Were they disposed of ... (Check all that apply) **Pesticides Petroleum** Other Hazardous Commercial (insecticides. **Products Materials Fertilizers** herbicides, (oil, grease) (batteries, paint) fungicides) ... on farm (incineratio, buried, etc.) ... with domestic garbage ... in a municipal recycling program ... by returning to supplier П ... using waste disposal sites for hazardous waste or dangerous goods

No disposal

Other, specify: __

Wastewater includes water to wash produce, milkhou	se, pens or facilities, silage leakage, ru	n-off water from livest	ock pens, etc.
86. In 2006, how was wastewater managed on you Was it	ur operation?		
(Check all that apply)			
discharged to a constructed retention po	nd or holding pond		
discharged to a septic or sewer system			
discharged into a filtration marsh or wetle	and	4	
included in the liquid manure system			
collected in holding or storage tank			
Other, specify:		77	
☐ Not actively managed/wastewater remov	ved through natural drainage) '	
87. In 2006, how many livestock or poultry were d	isposed of using each of the followi	ng method?	
	Dairy cattle	Hogs	Poultry
On farm:	Juliy 641110	1.090	· camy
Buried			
Incinerated			
Composted			
Other, specify:)		
Off farm collection service (e.g. rendering enterprise)			
On farm:	Other livestock or poultry specify:	Num	ber
Buried			
Incinerated			
Composted			
Other, specify:			
Off farm collection service (e.g. rendering enterprise)			
'			

Section VII - Environmental Farm Plan

88.	Does your farm operation h industry program?	ave a formal, written Environmen	ital Farm Plan (EFP	P) as part of a federal, provincial or
		nental farm plan is an overall asses ividual and/or group planning proce		ental issues or concerns related to your
	Yes, plan is developed	Yes, plan is in develop or being reviewed	oment O	No Q
			↓	(Go to question 93)
	89. When was this Env	ironmental Farm Plan (EFP) deve	loped or last upda	ted?
	C Less than 1 year	r ago		
	O From 1 to 3 year	rs ago		
	From 3 to 5 year	rs ago		
	O More than 5 year	urs ago		
90.	To what extent were the Bei implemented on your opera	neficial Management Practices (B tion?	BMPs) identin ad in	the action plan of your EFP
	O Practices fully implemente	ed		
	O Practices partially implem	ented		
	O Practices not implemente	d	/	
91.		ce received from any of the follow in the action plan of your EFP?	ving groups to help	p implement the Beneficial Management
	(Check all that apply)			
	☐ Did not receive assis	tance		
	☐ Government agency	Y		
	☐ Industry (input s. op.	er, processors, etc.)		
	☐ Enviror mental non-g	overnmental organizations		
	☐ Producer association	1		
	☐ College/University			
	☐ EFP planning adviso	r / facilitator		
	☐ Agrologist			
	Other, specify:			

	y <u>financial</u> assistance (from any source) received to offset costs for implementation of Beneficial Management es (BMPs) identified in the action plan of your EFP?
(Exclud	e drought payments)
Yes	No O
93. In 2006	were global positioning system (GPS) equipment or products (digital maps) used on your operation?
Yes	No O Don't know O
	(Go to question 95) (Go to question 95)
↓ 94.	If yes, were they used
	(Check all that apply)
	☐ to collect information for soil and crop management
	to collect information for water management
	as a tracking or guidance system on tractor to eliminat pover app and misses in field operations
	☐ to target or vary fertilizer or manure application rate
	☐ to target or vary pesticide application rates
	Other, specify:

Section VI - Data sharing agreement

Thank you for taking the time to participate in our survey. To reduce response burden and to ensure more uniform statistics, Statistics Canada has entered into an agreement under section 12 of the Statistics Act with Agriculture and Agri-Food Canada, and the ministry/department of agriculture of the provinces of Québec, Ontario and Alberta, for the sharing of information from this survey. Also, for the Québec residents only, Statistics Canada has entered into an agreement under section 12 of the Statistics Act with the Institut de la statistique du Québec. Statistics Canada will not share your name, address or other identifying information. The information is required to be kept confidential and used only for statistical and research purposes.

95. Do you agree to share the i	nformation on this survey with Agricultur	e and Agri-Food Canada?
Yes	No 🔘	
96a. If you are a resident of On your provincial ministry/de	tario or Alberta, do you agree to share the epartment of agriculture?	e information on this survey with
Yes	No O	
	ébec, do you agree to share the informati tion et des Pêcheries du Québec and the	
Yes	No O	
	ovided on the 2006 Census of Agriculture. Y	ntends to combine the information from this survey with our operation's 2006 Census of Agriculture information
97. Do you agree that Statistic on the 2006 Census of Agr		om this survey with the information you provided
Yes 🔾	No C	
Comments:	~O ₂	
	Y	
Thank you for your cooperation.		
manik you for your cooperation.		