

2005 Livestock Farm Practices Survey

CONFIDENTIAL when completed Collected under the authority of the Statistics Act, Revised Statutes of Canada, 1985, Chapter S-19.

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

Turkey Producers

Ce questionnaire est disponible en français.

For interviewer use only

Fully completed 005 1

Partial 005 4

Refusal 005 2

No contact 005 3

In operation
Change of operator
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 turkey 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 turkey operations deals with feed protein, barn types, manure handling and spreading of manure. The person most knowledgeable about these items should complete the questionnaire.

Please refer to the 2005 calendar year when answering questions unless specified otherwise.

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5-5100-499.1 STC/AGR-460-75407

FORMATION

For questions about turkeys include the following:

 All turkeys on your operation, regardless of ownership, including those that are custom fed or fed under contract for others.

For questions about turkeys exclude the following:

• Do not report turkeys which are owned by you but kept on a farm owned by someone else.

Section 1 – Feeding and housing practices

1.	In 2005, what was the average number of turkeys on yo	our farm operation at any one time (average per cycle)?
	Turkeys _{1(O00101)}	
	, (666.61)	
2.	In 2005, how many production cycles did you have (nur	mber of times the birds were replaced)?
	Give to the nearest half-cycle, such as 2.5 cycles in	2005.
	Cycles ₁₍₀₀₀₂₀₁₎	
3.	In 2005, what was the average number of days between	n production cycles (when the barns were empty)?
•		, in production of the company,
	Days _{1(O00301)}	
Ī		
	4. In 2005, how many turkeys did your operation sell	5. How many were less than 11.9 lb (5.4 kg)?
	to market?	
		Birds ₁₍₀₀₀₅₀₁₎
	Turkeys ₁₍₀₀₀₄₀₁₎	6. How many were between 11.9 and 19.8 lb (5.4 and
	→ Answer questions 5 to 7	9 kg)?
		Birds _{1(O00601)}
		7. How many were larger than 19.8 lb (9 kg)?
		Birds ₁₍₀₀₀₇₀₁₎
		((335731)
8.	How many separate building(s) did you use to house yo	our turkeys?
	Building(s) _{1(O00801)}	
9.	In 2005, what was the average temperature in the produ	uction part of your turkey building?
J.	If there is more than one turkey building, answer for the	. , ,
	Summer C _{1(O00901)} Or	°F _{2(O00902)}
		1 2(000902)
	Winter°C _{3(O00903)} Or	°F _{4(O00904)}
10.	What type of ventilation system did you have in your tur	key building(s)?
	Check all that apply.	
	Fans switched on automatically with computer	
	Fans switched on automatically with thermostat	□ _{2(O01002)}
	Fans switched on manually	□ _{3(O01003)}
	Passive ventilation (side curtains, free air or vent p	anels) 🗖 _{4(O01004)}
	Other, specify:	5(O01005)

Yes□ ₁₍₀₀₁₁₀₁₎ No□ ₂₍₀₀₁₁₀₂₎	to control dust emissions in your turkey building(s):
 12. In 2005, what proportion of your turkey feed came from commercial feed suppliers? More than 75%□₁₍₀₀₁₂₀₁₎ → Answer question 13 25% to 75%□₂₍₀₀₁₂₀₂₎ → Answer question 13 Less than 25%.□₃₍₀₀₁₂₀₃₎ ♥ Go to question 14 None□₄₍₀₀₁₂₀₄₎ ♥ Go to question 14 	13. What commercial feed products did you obtain? Check all that apply. Complete feed
14. Does the percentage (%) of crude protein content of your turkey diet change for each stage of production?	16. In 2005, what was the percentage (%) of crude protein content of the feed used for your turkeys during each stage of production?
Yes□ _{1(O01401)} → Answer questions 16 and 17	First stage of production:
No□ _{2(O01402)} Ψ Answer question 15	Third stage of production:
15. What was the percentage (%) of crude protein content of the feed used for your turkeys? ———————————————————————————————————	Fourth stage of production: Fifth stage of production: Sixth stage of production: Other, specify: Don't know $\square_{9(001609)}$
Ψ Go to question 18	17. How many days did your turkeys stay in each stage of production? Days
	First stage of production:
<i>y</i>	Second stage of production:
	Fourth stage of production:
	Fifth stage of production:
	Sixth stage of production:
	Other, specify:
	Don't know □ _{9(O01709)}

	In 2005, did you mix feed, other than minerals, to feed turkeys on your operation?	19.	What ingredients did you mix? (Do not include commercial vitamin, mineral premixes or protein supplements).
	•		Check all that apply.
	Yes □ _{1(O01801)} → Answer questions 19 to 22		Corn
'	Answer questions 19 to 22		Cereals (barley, wheat, rye, etc.)
	No □ _{2(O01802)} Ψ Go to question 23		Soybean meal □ ₃₍₀₀₁₉₀₃₎
'	110 1 2(001802)		Soybean grain□ ₄₍₀₀₁₉₀₄₎
			Canola meal□ _{5(O01905)}
			Other plant proteins (e.g., peas)
			Animal proteins (e.g. whey or skim milk powder)
			₇₍₀₀₁₉₀₇₎
			Other, specify:8(001908)
		20.	Which best describes how you formulated your turkey diet:
			?
			Based on farm experience and records□ _{1(O02001)}
			Following tag instructions□ _{2(O02002)}
			Following advice from nutritionist or veterinarian
			□ _{3(O02003)}
			Other, specify: 4(002004)
			*
		21.	How often were these ingredients analysed for protein content?
			Never □ _{1(O02101)}
			On occasion, but not in 2005□ _{2(O02102)}
			One to four times in 2005
			Five times or more in 2005 $\square_{4(002104)}$
		22.	If the finished feed was analysed in 2005, was the crude protein content:?
			Usually under your target protein content□ _{1(O02201)}
			Usually meeting your target protein content. $\square_{2(002202)}$
			Usually over your target protein content□ _{3(O02203)}
			(JO2203)
	your turkeys in 2005, what was the feed core quantity of feed needed to produce 1 kg or		sion efficiency for your last completed cycle? of turkey, live weight).
	Feed conversion efficiency rate (lb or k	(g) ₁ (c	002301)
	Or	٠, ١٥	
	Don't know □ _{2(O02302)}		

24. In 2005, did you use litter in your turkey building(s)?	25. What type of litter did you use for your turkeys?
Yes □ _{1(O02401)} →Answer questions 25	Check all that apply.
to 27	Straw or other crop residue
No □ _{2(O02402)} Ψ Go to question 28	Sawdust, wood chips or shavings □ _{2(O02502)}
2(602102)	Paper crumb or other forest product□ _{3(O02503)}
	Other, specify:4(O02504)
	26. How often did you add fresh litter for your turkeys? Specify the usual number of days between one addition and the next.
	Days _{1(O02601)}
	27. Approximately how much bedding do you use per year for all your turkeys?
	Cubic yards/metres ₁₍₀₀₂₇₀₁₎
	Or
	Number of large bales _{2(O02702)}
	Number of analyticles
	-Or
	Tonnes (metric) 4(002704)
	Or
	Tons (imperial) ₅₍₀₀₂₇₀₅₎
	6(O02706) Other units
	Specify units:
	.(602161)
	Don't know □ _{8(O02708)}
28. What was the number of days, on averag	ge, between cleaning out manure from your turkey buildings?
Days _{1(O02801)}	
29. How many times per production cycle dic	I you clean manure from your turkey building(s)?
Partially cleaned several times every pro	oduction cycle <u>and</u> fully cleaned once at the end□ _{1(O02901)}
Fully cleaned once every production cyc	sle□ _{2(O02902)}
Fully cleaned less often than once every	production cycle□ _{3(O02903)}
Fully cleaned several times every produ	ction cycle□ _{4(O02904)}

30.	. In 2005, what was the percentage (%) of all the manure remomenths?	oved from your turkey building(s) during the following
	What percentage was removed in?	<u> </u>
	April to May	1(O03001)
	June to August	2(O03002)
	September to November	3(O03003)
	December to March	
	Or	
	Manure is removed after each cycle	
Se	ection 2 – Solid Manure Handling and Stor	age
	Please refer to a r	ormal year
31.	. Do you store solid manure from your turkey operation?	
	Yes □ ₁₍₀₀₃₁₀₁₎ Ψ Please complete Sec	ction 2
	No □ _{2(O03102)} → Go to Section 3 (page	ge 8)
32.	. How long do you usually store solid manure collected over w	inter? (December to March)
	Is it stored?	
	Less than 1 month	□ _{1(O03201)}
	From 1 to less than 6 months	□ _{2(O03202)}
	From 6 to less than 12 months	□ _{3(O03203)}
	12 months or longer	
	Not stored over winter.	□ _{5(O03205)}
33.	. How long do you usually store solid manure collected from ${\bf s}$	pring to fall? (April to November)
	Is it stored?	
	Less than 1 month	□ _{1(O03301)}
	From 1 to less than 6 months	□ _{2(O03302)}
	From 6 to less than 12 months	□ _{3(O03303)}
	12 months or longer	□ _{4(O03304)}
	Not stored over spring to fall	□ _{5(O03305)}
34.		
	Uncovered outdoor piles or bunkers	, ,
	Piles or bunkers covered with tarp or straw	,
	Piles or bunkers under a roof	□ _{3(O03403)}
	Other storage, specify:	4(O03404)

	35. Do you put any <u>additives into the solid</u> <u>manure</u> , to modify odour, pH or nutrient retention? Exclude litter.	Specify below:
	Yes □ ₁₍₀₀₃₅₀₁₎ → Answer question 36	1(O03601)
	No □ ₂₍₀₀₃₅₀₂₎ Go to question 37	2(O03602)
37.	,	
	Not moved or disturbed	
	Moved or disturbed once or twice (e.g. to consolidate a pile or make room for more r	manure from the barn)□ _{2(O03702)}
	Routinely and thoroughly mixed or turned (e.g. to accelerate composting)	
38.	What is the percentage of solid manure disposed of thr	rough each method you use?
	What percentage is?	%
	Spread on land (by you or someone else)	1(003801)
	Composted (then spread on land)	2(003802)
	Removed by contractor (don't know how it is used)	3(003803)
	Other, Specify:	
Se	ection 3 – Land spreading of <u>solid</u> mar *Please refer to	nure o a normal year*
39.	Is solid manure from your turkey operation spread on la	and (spread on any land by the operator or by someone else)
	Yes □ _{1(O03901)} Please complete Section	
	No $\square_{2(003902)} \Rightarrow$ Go to Section 4 (page	11)
40.	When the manure is tilled into the soil, what amount wo	ould you 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(O04003)}
41.	Of the total amount of solid manure from your turkey or	peration applied on land, what percentage is spread on?
	Tilled crop land (most crop residue tilled into soil).	1(O04101) → Answer questions 42 and 43
	Reduced till crop land (most crop residue retained on	surface) → Answer question 44
	Land covered with perennial or forage crops	3 _{3(O04103)} → Answer question 44
	Other, Specify:	□ _{4(O04104)}
		Total must be 100%

 Of the total (solid) manure appli what percentage is applied in ea 		manure incorporated (tilled) into soil?	is
What percentage is usually applied i	in?	different for different fields, give the most common. (Incorporated same day = 0 days).	
, , ,	%	Days	
January	1(004201)	January	
February	2(004202)	February2(004302)	
March	3(O04203)	March3(O04303)	
April	4(004204)	April4(004304)	
Лау	5(O04205)	May _{5(O04305)}	
lune	6(O04206)	June	
uly	7(004207)	July ₇₍₀₀₄₃₀₇₎	
ugust	8(O04208)	August	
September	9(004209)	September	
October	10(O04210)	October))
lovember	11(004211)	November)
December	12(004212)	December	!)
Total mus		Not applicable (manure is not incorporated into soil)	
ນເ year round at regular intervals ロ₁	13(004213)	13(O04313)	
All year round at regular intervals □₁			
olid manure is applied on <u>reduced</u>		orage crop land, answer question 44.	
olid manure is applied on <u>reduced</u> e go to question 45.	I till, perennial or f	orage crop land, answer question 44.	
olid manure is applied on <u>reduced</u> e go to question 45.	I till, perennial or f		арр
olid manure is applied on reduced e go to question 45. Of the total (solid) manure applied in each month?	I till, perennial or f	borage crop land, answer question 44. land, perennial or forage crop land, what percentage is	арр
olid manure is applied on reduced a go to question 45. Of the total (solid) manure applied in each month? January	on reduced till crop	land, perennial or forage crop land, what percentage is // // // // // // // // // // // // /	арр
olid manure is applied on reduced a go to question 45. Of the total (solid) manure applied in each month? January	on reduced till crop	land, perennial or forage crop land, what percentage is // // // // // // // // //	арр
olid manure is applied on reduced a go to question 45. Of the total (solid) manure applied in each month? January	on reduced till crop	land, perennial or forage crop land, what percentage is // // // // // // // // //	арр
olid manure is applied on reduced a go to question 45. Of the total (solid) manure applied in each month? January	on reduced till crop	land, perennial or forage crop land, what percentage is // // // // // // // // // // // // /	арр
olid manure is applied on reduced a go to question 45. Of the total (solid) manure applied in each month? January	on reduced till crop	land, perennial or forage crop land, what percentage is % 1(004401) 2(004402) 3(004403)	арр
olid manure is applied on reduced a go to question 45. Of the total (solid) manure applied in each month? January	on reduced till crop	land, perennial or forage crop land, what percentage is // // // // // // // // //	арр
olid manure is applied on reduced a go to question 45. Of the total (solid) manure applied in each month? January	on reduced till crop	land, perennial or forage crop land, what percentage is % 1(004401) 2(004402) 3(004403) 4(004404) 5(004406)	арр
olid manure is applied on reduced a go to question 45. Of the total (solid) manure applied in each month? January	on reduced till crop	land, perennial or forage crop land, what percentage is // // // // // // // // //	арр
olid manure is applied on reduced a go to question 45. Of the total (solid) manure applied in each month? January	on reduced till crop	land, perennial or forage crop land, what percentage is % 1(004401) 2(004402) 3(004403) 4(004404) 5(004406) 7(004407) 8(004408)	арр
olid manure is applied on reduced a go to question 45. Of the total (solid) manure applied in each month? January	on reduced till crop	land, perennial or forage crop land, what percentage is % 1(004401) 2(004402) 4(004404) 5(004404) 7(004407) 9(004409)	арр
olid manure is applied on reduced a go to question 45. Of the total (solid) manure applied in each month? January	on reduced till crop	Sorage crop land, answer question 44.	арр
Diid manure is applied on reduced a go to question 45. Of the total (solid) manure applied in each month? January	on reduced till crop	Iand, perennial or forage crop land, what percentage is %	арр

If solid manure is applied on tilled crop land, answer questions 42 and 43. Else go to question 44.

43. For each period, how many days after spreading is

	45.	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?	46. 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:
		Yes → Answer question 46	1 = Kilograms (kg) per (metric) tonne of manure 2 = Pounds (lb) per (imperial) ton of manure 3 = Percentage
		No□ _{2(O04502)}	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 . 4 5 to 0 . 5 3 3
			Lab results (numbers) of chemical analysis:
			Moisture content Unit of measure 1(004601) 2(004602) 3(004603) Dry matter content (004604) 5(004605) 6(004606) Total Nitrogen (N) (004607) 8(004608) 9(004609) Ammonium (NH4) (NH4) (NH4) (NH4) (NH4) Phosphorus (P) (NH4) (NH4)
		Do you usually land spread <i>(solid)</i> manure at a particular time of day? Yes	48. Is it usually spread between:? 10 a.m. and 6 p.m□ _{1(O04801)} 6 p.m. and 10 a.m□ _{2(O04802)}
L		V GO TO PLOSTER I V	
49.	Doy	you land spread manure when the wind speed is	?
			ripple gently at this wind speed) □ _{1(O04901)}
			yould fly straight out at this wind speed) □ ₂₍₀₀₄₉₀₂₎
	Α	Any speed, the job gets done whenever it is possi	ble□ _{3(O04903)}

Section 4 - Handling and storage of <u>liquid</u> manure

Please refer to a normal year

50.	Do you store <u>liquid manure</u> (slurry) from your turkey operation	n?
	Yes □ _{1(O05001)} Ψ Please complete Section 4	
	No $\square_{2(005002)}$ \rightarrow Go to Section 5 (page 13)	
5 1	How long do you usually store <u>liquid manure</u> collected over v	winter? (December to March)
51.	Is it stored?	whitel: (December to watch)
	Less than 1 month	D ₄ (005404)
	From 1 to less than 6 months	,
	From 6 to less than 12 months	,
	12 months or longer	
	Not stored over winter.	
52.	How long do you usually store <u>liquid manure</u> collected from s Is it stored?	spring to fall? (April to November)
	Less than 1 month	
	From 1 to less than 6 months	
	From 6 to less than 12 months	□3(005203)
	12 months or longer	□ _{4(O05204)}
	Not stored over spring to fall	□ _{5(O05205)}
	53. Do you separate solids from liquid manure (slurry)?	What do you use to separate solids from liquid manure?
	Yes □ ₁₍₀₀₅₃₀₁₎ → Answer question 54	Liquid drawn off top of tank
	No □ ₂₍₀₀₅₃₀₂₎ Ψ Go to question 55	Settling ponds or weeping walls □ _{2(O05402)}
	2(3332)	Screens
	Not applicable □ _{3(O05303)} Ψ Go to question 55	Presses (belt, screw or other) $\square_{4(005404)}$
		Other, <i>specify</i> :5(005405)
55.	3,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	manure storage space you used?
	Is it a?	
	Tank above ground	,
	Lined or cement pit	,
	Lagoon or dugout in ground	,
	Other storage, specify:	4(O05504)
56.	Is your main (or largest) liquid manure storage space?	
	Open, so rain might get in	□1(005601)
	Covered with a roof	
57.	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	□ _{2(O05702)}
	A floating cover such as straw	□ ₃₍₀₀₅₇₀₃₎
	No floating cover or crust	

58.	How do you usually manage <u>liquid manure</u> while it is in storage? <i>Is it?</i>
	Not aerated or agitated until just before taken out □ ₁₍₀₀₅₈₀₁₎
	Aerated or agitated up to three times per month□ ₂₍₀₀₅₈₀₂₎
	Aerated or agitated four times or more per month □ ₃₍₀₀₅₈₀₃₎
59.	What becomes of <u>liquid manure</u> on your operation? <i>Is it?</i> Check all that apply. Spread on land (by you or someone else)
60.	What percentage of <u>liquid manure</u> (from your turkey operation) is disposed of through each method you use?
	What percentage is?
	Spread on land (by you or someone else)
	61. Do you put any additives into the <u>liquid manure</u> , to modify odour, pH or nutrient retention? Exclude litter. Yes□ ₁₍₀₀₆₁₀₁₎ → Answer question 62 No□ ₂₍₀₀₆₁₀₂₎ ✓ Go to question 63 ———————————————————————————————————
63.	What are the dimensions of the surface area of your main (or largest) liquid manure storage space? (If oval give length and width. If round give diameter in Box 5 or 6).
	(If oval give length and width. If found give diameter in Box 3 of 0).
	feet ₁₍₀₀₆₃₀₁₎ by feet ₂₍₀₀₆₃₀₂₎
	Or
	(Box 5) (Box 6)
	diameter in feet _{5(O06305)} diameter in metres _{6(O06306)}
64.	What is the depth (pit capacity) of your main (or largest) liquid manure storage?
	feet _{1(O06401)} Or metres _{2(O06402)}

Section 5 – Land spreading of <u>liquid</u> manure (slurry) *Please refer to a normal year*

	liquid manure (slurry) from your turkey ope meone else)?	eration usua	ally spread on land (spread on	any land by	the operator or b					
	Yes	lete Sectio	on 5							
	No □ _{2(O06502)} → Go to Sectio	n 6 (page	16)							
6. Of	the total <u>liquid manure</u> from your turkey op	peration ap	plied on land, what percentag	e is spread c	on?					
	Tilled crop land (most crop residue tilled	l into soil)		₀₆₆₀₁₎ → Answ and 68	ver questions 67					
	Reduced till crop land (most crop residue	retained on	surface)	₀₆₆₀₂₎ → Answ	ver question 69					
	Land covered with perennial crops or for	rage crops	3(00	₀₆₆₀₃₎ → Answ	ver question 69					
	Other, specify:		4(06604)	n ₆₆₀₅₎ → Go to	o question 70					
	. , -		Total must be 100%	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	·					
*:	*If applied on tilled land answer question	ns 67 and	68. Else go to question 69. *	r*						
Wi	what percentage is usually applied in earmonth? mat percentage is applied in?	different for different f	manure incorporated (<i>tilled</i>) into soil? If erent for different fields, give the most mon. (Less than 2 hours = 0 days. From 2 to 24 s = 0.5 days).							
	%	<u> </u>		Day	s					
Jai	nuary	1(O06701)	January		1(O06801)					
Fe	bruary	2(O06702)	February		2(O06802)					
Ма	rch	3(O06703)	March		3(O06803)					
Ар	ril	4(O06704)	April		4(O06804)					
Ма	y	5(O06705)	May		5(O06805)					
Jui	ne	6(O06706)	June		6(O06806)					
Jul	y	7(O06707)	July		7(006807)					
Au	gust .	8(O06708)	August		8(O06808)					
Se	ptember	9(O06709)	September		9(O06809)					
Oc	tober	10(O06710)	October		10(O6810)					
No	vember	11(O06711)	November		11(O06811)					
De	cember	12(O06712)	December		12(006812)					
All	Total must be 100 th year round at regular intervals □ ₁₃₍₀₀₆₇₁₃₎	%	Not applicable (manure is not a $\square_{13(006813)}$	incorporated ii	nto soil)					
Ь			<u> </u>							

If applied on <u>reduced till</u> or <u>perennial crop land</u>, answer question 69. Else go to question 70^{}

	%	
January	1(O06901)	
February		
March		
April	(, , , , , , , , , , , , , , , , , , ,	
May	5(O06905)	
June	6(O06906)	
July	7(006907)	
August	8(O06908)	
September	9(O06909)	
October	10(006910)	
November		
	L	
All year round at regular intervals □ _{13(O06913)}		
Yes□ ₁₍₀₀₇₀₀₁₎ → Answer question 71 No, manure is spread whenever possible□ ₂₍₀₀₇₀₀₂₎ Use Go to question 72	10 a.m. and 6 p.m□ ₁₍₀₀₇ 6 p.m. and 10a.m□ ₂₍₀₀₇	,
T ee to queetien 12		
What best describes the consistency of the <u>liquid manure</u> on you	·	
Runny like water	· · ·	
Pea soup Toothpaste		
Tooli postessi.		
What method do you usually use to spread liquid manure? Give spread by each method.	the approximate percentage of total liqu	ıid r
nat percentage is?	%	
	70	
Broadcast over soil surface, over stubble or residue	1(00730	01)
Narrow bands on soil surface such as with drop hoses or a sleig	abfoot	201
Trainow bands on son surface such as with drop hoses of a siely	gnroot2(00730)2)
Shallow injected, where some of the manure remains on the soil	il surface	03)
Deep injected, where little of the manure remains on the soil sur	rface	04)
Irrigated (e.g. with a pivot gun)		05)

Total must be 100%

_ 6(O07306)

7(O07307)

5-5100-499.1

Other, specify:

	74. Does the method you use to spread <u>liquid manure</u> change from season to season?	75. Do you usually?
	Yes → Answer question	Inject in spring or fall, broadcast in summer □ _{1(O07501)}
	75	Other, <i>specify</i> :2(007502)
	No, same method used all year $\square_{2(007402)}$	
	◆ Go to question 76	
76.	Do you usually land spread (liquid) manure when wind	I speed is?
	Calm, say below 5 km/hour (a flag might hang or ri	pple gently at this wind speed) 🗖 1(007601)
	Brisk or strong, say about 5 to 9 km/hour (a flag wo	ould fly straight out at this wind speed) $\square_{2(007602)}$
	Any speed, the job gets done whenever it is possib	ole□ _{3(O07603)}
	77. In the past 3 years, has a chemical analysis of	78. What were the lab results? (Specify units of
	the <u>liquid manure</u> been done for levels of	measure and range e.g., 45 to 53 kg Nitrogen per
	Nitrogen, Phosphorus, Potassium,	tonne or 0.45 to 0.53% nitrate Nitrogen).
	micronutrient or moisture content?	
		Unit of measure codes:
	question 78	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 · 4 5 to 0 · 5 3 3
		Lab results (numbers) of chemical analysis:
		Moisture content Unit of measure
		1(O07801) 2(O07802) 3(O07803)
		1(007801) 2(007802) 3(007803) Dry matter content
		to
		4(007804) 5(007805) 6(007806) Total Nitrogen (N)
		to
	*	7(007807) 8(007808) 9(007809)
		Ammonium (NH₄)
		to
		10(007810) 11(007811) 12(007812) Phosphorus (P)
		to
		13(O07813) 14(O07814) 15(O07815)

Section 6 - Odour management and nutrient conservation

Please refer to a normal year

79.	At what stage of your turkey operation's cycle, <u>if any</u> , is the odour of manure stronger than it is usually ?
	Check all that apply.
	Is it more often stronger during?
	Barn cleaning □ _{1(O07901)}
	Land spreading □ _{2(O07902)}
	Agitation of manure
	Mixing or composting $\square_{4(007904)}$
	Other, specify:5(007905)
	No differences throughout the year□ _{6(O07906)}
If n	o differences in odour throughout the year, go to question 82.
80.	How many times per year is the odour of manure from your (turkey) operation stronger than it is usually?
	Time(s) ₁₍₀₀₈₀₀₁₎
81.	Usually, how many days per year does this stronger odour of manure last?
	Day(s) ₁₍₀₀₈₁₀₁₎
82.	What is the vegetation within 300 metres (1000 feet) to the north and west of your barns? Check all that apply.
	Nothing tall, there are no trees or tall shrubs (nothing taller than corn, for example) □ _{1(O08201)}
	Shelterbelt with leafed trees that shed leaves in fall
	Shelterbelt with evergreen trees □ _{3(O08203)}
	Woodlot or forest □ _{4(O08204)}
83.	What is the vegetation within 300 metres (1000 feet) to the south and east of your barns? Check all that apply.
	Nothing tall, there are no trees or tall shrubs (nothing taller than corn, for example)□ ₁₍₀₀₈₃₀₁₎
	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 duplication, Statistics Canada has entered into a data sharing agreement under Section 12 of the Statistics Act with Agriculture and Agri-Food Canada to share responses from this survey. The Department will not be given your name, address or other identifiers and is required to keep the information confidential and use it only for statistical and research purposes.
	84. Do you agree to share this information with Agriculture and Agri-Food Canada?
	Yes 🗖 _{1(O08401)}
	No

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Thank you for your cooperation.