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Please quote reference number on all correspondence

## Animal Housing and Manure Management 2020

The purpose of this survey is to collect data on animal housing and manure management practice on Irish farms. The data is required to meet national and EU needs for statistics on agri-environmental indicators as outlined in Annex IV of Regulation (EU) 2018/1091.

This questionnaire is being sent to a sample of Irish farms who took part in the September 2020 Census of Agriculture. The CSO appreciated your cooperation with the Census and ask you to complete this survey on animal housing and manure management.

The completed questionnaire should be returned by **Thursday, 25 February 2021** using the **freepost** pre-addressed envelope provided. If there are any changes or corrections to the contact details above, please amend these accordingly.

If you require further information or if you would like to give the information by telephone, please contact the CSO on:

LoCall: 1890 924 990

Email: [agri@cso.ie](mailto:agri@cso.ie)

Please refer to the accompanying information booklet while you are completing this questionnaire.

Tá leagan Gaeilge den fhoirm seo ar fáil.

Thank you for your co-operation

Pádraig Dalton  
Director General

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### 4f. Tillage Manure Application Method

Considering the total farmyard manure / slurry applied on the farm in the past 12 months, please indicate the approximate percentage applied on **TILLAGE** land using the following methods?

Please ensure that the boxes in each line equal 100% when added together.

Broadcast	Splashplate (Slurry)	Manure Spreader (Farmyard Manure)	Bandspread	Dribble Bar	Trailing shoe	TOTAL
Not incorporated	<input type="text"/>	<input type="text"/>		<input type="text"/>	<input type="text"/>	100%
Incorporated <b>within approximately 4 hours</b> of application	<input type="text"/>	<input type="text"/>				100%
Incorporated <b>after 4 hours</b> of application	<input type="text"/>	<input type="text"/>				100%

### 4g. Tillage Manure Application Period

Considering the methods used for manure application as indicated in 4f, please state the approximate percentage applied on **TILLAGE** land in either Spring Summer or Autumn?

If a method is used, Spring + Summer + Autumn = 100%

Broadcast		Spring	Summer	Autumn	Total	
Not incorporated	Splashplate (Slurry)	<input type="text"/>	<input type="text"/>	<input type="text"/>	100%	
	Manure Spreader (Farmyard Manure)	<input type="text"/>	<input type="text"/>	<input type="text"/>	100%	
Incorporated <b>within approximately 4 hours</b> of application	Splashplate (Slurry)	<input type="text"/>	<input type="text"/>	<input type="text"/>	100%	
	Manure Spreader (Farmyard Manure)	<input type="text"/>	<input type="text"/>	<input type="text"/>	100%	
Incorporated <b>after 4 hours</b> of application	Splashplate (Slurry)	<input type="text"/>	<input type="text"/>	<input type="text"/>	100%	
	Manure Spreader (Farmyard Manure)	<input type="text"/>	<input type="text"/>	<input type="text"/>	100%	
Bandspread						
	Dribble Bar	Slurry	<input type="text"/>	<input type="text"/>	<input type="text"/>	100%
	Trailing shoe	Slurry	<input type="text"/>	<input type="text"/>	<input type="text"/>	100%

### Section 5: Measuring Response Burden

In order to measure the burden on respondents completing CSO surveys, please state approximately how many minutes it took you to complete this questionnaire?

### Section 6: Declaration

I certify that the information given on this form is correct to the best of my knowledge.

Signature  Date  /  /

Day-time contact telephone number  Eircode

E-mail

Thank you for taking the time to complete this survey

### Section 1: Cattle Housing

#### 1a. Dairy Cows

How many places did you have available for wintering **dairy cows** in the last 12 months?

	Places
Loose Housing - Solid Floor	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Loose Housing - Slatted Floor	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Floor Cubicle Housing - Solid Floor	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Cubicle Housing - Slatted Floor	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Outwintering Pads	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Other Housing	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>

(please specify type of other housing)

	Day	Month	Year
Turn out date	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Turn in date	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>

#### 1b. Other Cattle

How many places did you have available for wintering **other cattle** in the last 12 months?

	Places
Loose Housing - Solid Floor	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Loose Housing - Slatted Floor	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Floor Cubicle Housing - Solid Floor	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Cubicle Housing - Slatted Floor	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Outwintering Pads	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Other Housing	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>

(please specify type of other housing)

	Day	Month	Year
Turn out date	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Turn in date	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>

### Section 2: Pig Housing

#### 2a. Breeding Sows

How many places did you have available for **breeding sows** in the last 12 months?

	Places
Partially slatted	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Completely Slatted	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Deep Litter Housing Straw Beds	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Outdoors (Free Range)	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Other Housing	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>

(please specify type of other housing)

#### 2b. Other Pigs

How many places did you have available for other pigs in the last 12 months?

	Places
Partially slatted	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Completely Slatted	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Deep Litter Housing Straw Beds	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Outdoors (Free Range)	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Other Housing	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>

(please specify type of other housing)

### Section 3: Poultry Housing - Laying Hens

How many places were available in each of the following housing systems for **laying hens** in the last 12 months?

#### Cages with

	Places
(i) Deep Pit	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
(ii) Stilt House	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
(iii) Manure Belt	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>

	Places
Deep Litter Housing	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Outdoors (Free Range)	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Other Housing	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>

(please specify type of other housing)

### Section 4: Manure and Chemical Fertiliser Management

Complete section 4a only if Manure (including imported manure) has been applied on your farm in the past 12 months

#### 4a. Application Area

Areas below are given in  Hectares or  Acres

(i) Area of your farm on which slurry was applied in the past 12 months?	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	.	<input type="text"/> <input type="text"/>
(ii) Area of your farm on which farmyard manure was applied in the past 12 months?	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	.	<input type="text"/> <input type="text"/>
(iii) Area of your farm on which chemical fertiliser was applied in the past 12 months?	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	.	<input type="text"/> <input type="text"/>
(iv) Area of your farm on which poultry litter was applied in the past 12 months?	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	.	<input type="text"/> <input type="text"/>
(v) Area of your farm on which other farmyard manure was applied in the past 12 months?	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	.	<input type="text"/> <input type="text"/>

#### 4b. Storage Capacity

Considering the total farmyard manure / slurry **produced** on the farm in the past 12 months, please indicate the approximate number of weeks each storage facility can store without runoff risk

	Weeks	Weeks
Slurry pits (below animal confinement)	<input type="text"/> <input type="text"/>	Farmyard manure, stored in heaps <input type="text"/> <input type="text"/>
Slurry storage (outside e.g. lagoons)	<input type="text"/> <input type="text"/>	Other facilities <input type="text"/> <input type="text"/>
Deep litter systems	<input type="text"/> <input type="text"/>	

#### 4c. Storage Facilities

Considering the total farmyard manure / slurry **stored** on the farm in the past 12 months, please indicate the approximate percentage of manure stored in each of the following

Farmyard Manure		Slurry			Other facilities	Applied on farmland within 24 hours	TOTAL
Heaps	Deep litter systems	Without cover	With cover				
<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	100%

#### 4d. Grassland Manure Application Method

Considering the total farmyard manure / slurry applied on the farm in the past 12 months, please indicate, the approximate percentage applied on **GRASSLAND** using the following methods

Broadcast		Bandspread		Injection	TOTAL
Splashplate (Slurry)	Manure Spreader (Farmyard Manure)	Dribble Bar	Trailing shoe		
<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	= 100%

#### 4e. Grassland Manure Application Period

Considering the methods used for manure application as indicated in 4d, please state the approximate percentage applied on **GRASSLAND** in either Spring Summer or Autumn?

If a method is used, Spring + Summer + Autumn = 100%

	Spring	Summer	Autumn	Total
<b>Broadcast</b>				
Splashplate (Slurry)	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	= <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> %
Manure Spreader (Farmyard Manure)	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	= <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> %
<b>Bandspread</b>				
Dribble Bar	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	= <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> %
Trailing shoe	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	= <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> %
<b>Injection</b>				
Shallow / open slot	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	= <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> %

