

**Appendix 5**  
**Survey of Agricultural**  
**Production Methods**  
**September 2010**





29646



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## Survey of Agricultural Production Methods September 2010

The purpose of this survey is to collect data on agricultural production methods used on Irish farms. The data is required to meet EU needs for statistics on agri-environmental indicators as outlined in Annex V of Regulation (EC) No 1166/2008.

This questionnaire has been sent to a sample of the farmers across Ireland who took part in the Census of Agriculture in June of this year. CSO very much appreciated your cooperation with the Census and would like to ask you now to complete this shorter survey on agricultural production methods. The information supplied by you on this questionnaire will be treated as strictly confidential and this is guaranteed by National and EU Law.

The completed questionnaire should be returned by **Friday October 1<sup>st</sup>, 2010** using the **freepost** pre-addressed envelope provided.


**Please refer to the accompanying information booklet before completing the questionnaire.**

If you require assistance in completing this questionnaire or would like to provide your information by telephone, please contact the CSO on:

LoCall: 1890 924 990

E-mail: [agri@cso.ie](mailto:agri@cso.ie)

Thank you again for your time and cooperation in completing this questionnaire.

  
Gerard O'Hanlon  
Director General

### 1. Landscape

Have any of the following been maintained or newly established on your farm during the last 3 years?

Note both may apply. (Please X if yes, otherwise leave blank.)

Hedges

Maintained

Newly Established

Tree Lines

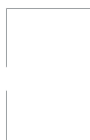
Maintained

Newly Established

Stone Walls

Maintained

Newly Established



Please refer to the Information Leaflet for assistance in completing this questionnaire.

Please specify if the land areas below will be given in

**Hectares**

or

**Acres**

(Please X the appropriate box above and use this same unit in all other relevant sections)

## 2. Crop Rotation & Soil Conservation (Tillage Farms)

- (a) What area of **arable land** do you hold?
- (b) What area of your **arable land** has been used to grow the same tillage crop, **without crop rotation** for at least the last 3 years?
- (c) What area of your **arable land** was covered during Winter 2009/10 by the following ?
- Standard Winter crops (e.g. Winter wheat, Winter barley)
  - Crop Residues (stubble or other plant parts remaining after previous harvest)
  - Cover Crop (or intermediate crop sown and ploughed in before new Spring planting)
  - Bare, ploughed soil
- (d) On what area of your arable land were the following tillage methods applied in the last 12 months?
- Inversion tillage (ploughing) - all stubble, crop residues buried after cultivation
  - Reduced tillage - at least 30% of stubble, crop residue remaining on the surface after cultivation
  - Zero tillage/Direct Seeding - all stubble, crop residue left on surface after cultivation

Area	
<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"/>

## 3. Grazing Land

- (a) **Grazing on your farm**
- Area of **grassland on your farm** used for grazing your livestock in the last 12 months
  - Number of months your livestock spent **grazing on your grassland** in the last 12 months
- (b) **Grazing on Commonage**
- Number of months your livestock spent **grazing on commonage** in the last 12 months
  - Number of livestock **grazing on commonage** in the last 12 months
    - Cattle
    - Sheep

Area	
<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"/>

## 4. Manure Storage & Movement

- (a) Please indicate if you used constructed storage facilities for any of the following during the last 12 months and whether these were covered or uncovered. Note both may apply. (Please X as appropriate, otherwise leave blank)

	Covered	Uncovered		Covered	Uncovered
■ Solid Manure	<input type="checkbox"/>	<input type="checkbox"/>	■ Slurry in a tank	<input type="checkbox"/>	<input type="checkbox"/>
■ Liquid Manure	<input type="checkbox"/>	<input type="checkbox"/>	■ Slurry in a lagoon	<input type="checkbox"/>	<input type="checkbox"/>

- (b) Of the total manure and slurry **produced by your livestock** during the last 12 months, what proportion of this was **removed from your farm**? (Please X the most relevant box below.)

None
  1-24%
  25-49%
  50-74%
  75-100%

- (c) Of the total manure and slurry **spread on your holding** during the last 12 months, what proportion was **imported from another holding** (i.e. not produced by livestock on your holding). (Please X the most relevant box below.)

None
  1-24%
  25-49%
  50-74%
  75-100%



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Please refer to the Information Leaflet for assistance in completing this questionnaire.

## 5. Slurry & Manure Application

### Slurry

(a) Area of your farm on which **slurry** was applied, at least once, in the last 12 months?

Of this area, on what area were the following application methods used:

- (i) Splashplate
- (ii) Bandspreader
- (iii) Trailing Shoe
- (iv) Injection into the soil or ploughed in within 4 hours of application

Area									

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(b) Of the total **slurry** applied to your holding in the last 12 months, what proportion was applied to:

(Please X the relevant boxes)

	None	1-24%	25-49%	50-74%	75-100%
(i) Grassland	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(ii) Maize	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(iii) Tillage (excluding Maize)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(iv) Other Crops (e.g willow)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(c) Of the total **slurry** applied to your holding in the last 12 months, what proportion was applied during the following periods:

(Please X the relevant boxes)

	None	1-24%	25-49%	50-74%	75-100%
(i) Spring (End of closed period to April)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(ii) Summer (May, June, July)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(iii) Autumn (August to beginning of closed period)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### Solid Manure

(d) Area of farm on which **solid manure** was applied, at least once, in the last 12 months?

Of this area, on what area was **solid manure** ploughed in within 4 hours of application?

Area									

(e) Of all the **solid manure** applied to your holding in the last 12 months, what proportion was applied to:

(Please X the relevant boxes)

	None	1-24%	25-49%	50-74%	75-100%
(i) Grassland	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(ii) Maize	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(iii) Tillage (excluding Maize)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(f) Of all the **solid manure** applied to your holding in the last 12 months, what proportion was applied during the following periods: (Please X the relevant boxes)

	None	1-24%	25-49%	50-74%	75-100%
(i) Spring (End of closed period to April)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(ii) Summer (May, June, July)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(iii) Autumn (August to beginning of closed period)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## 6. Livestock Housing

Please note this section refers to the total number of housing places available and not the number of animals/birds actually housed.

### Cattle

How many places did you have available on your farm for wintering cattle (all categories) during the last 12 months?

	Places		Places
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"/>
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"/>
Other Indoor Housing	<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"/>

### Sheep

How many places did you have available on your farm for wintering sheep during the last 12 months?

	Places		Places
Straw beds	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	Other Indoor Housing	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Slatted Housing	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>		

### Pigs

How many places were available in each of the following housing systems for pigs during the last 12 months?

	Places		Places
Partially Slatted Housing	<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"/>
Completely Slatted Housing	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	Other (e.g. Outdoor with huts)	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>

### Poultry

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

	Places		Places
Enriched/Unenriched Cages <i>Of which</i>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	Deep Litter Housing	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
(i) Deep Pit	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	Other (e.g. Free range)	<input type="text"/> <input type="text"/> <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"/> <input type="text"/> <input type="text"/>		
(iii) Manure Belt	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>		

## 7. Measuring Administrative Burden

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

## 8. Declaration

The information given on this form is correct to the best of my knowledge.

Signature  Date  /  /

Day-time contact telephone number



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