



**An  
Phríomh-Oifig  
Staidrimh**

Central  
Statistics  
Office

# **Standard SIMS Report: Fertiliser Sales**



# Single Integrated Metadata Structure (SIMS) Report

**For**

**Fertiliser Sales**

This documentation applies to the reporting period:

**2025**

Last edited: 13/04/2026



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## 2. Introduction

This release contains data on mineral fertiliser sales, the nutrient content of mineral fertiliser sales, and lime sales. It also contains data on mineral fertiliser imports and exports.

Data on the nutrient content of mineral fertilisers cover the nutrients Nitrogen, Phosphorus and Potassium. These data are expressed in measurement units of tonnes of nutrient.

Data on annual and quarterly mineral fertiliser sales are expressed in measurement units of tonnes of fertiliser, as are data on mineral fertiliser imports and exports.

Data on lime sales are provided in measurement units of tonnes of lime.

Data on fertiliser sales and nutrient content of fertiliser sales are based on the crop year, which runs from October to September. Fertiliser imports and exports are reported for the calendar year. Data on lime sales also refer to the calendar year.

Mineral fertilisers are mainly used in agricultural production to enhance crop production. However, excessive use of mineral fertilisers containing Nitrogen and Phosphorus can lead to water, soil and air pollution as the nutrients are lost to the environment.

## 3. Contact

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## 4. Metadata Update

### 4.1. Metadata last certified

13/04/2026

### 4.2. Metadata last posted

13/04/2026

### 4.3. Metadata last update

13/04/2026



## 5. Statistical Presentation

### 5.1. Data Description

The dataset includes data on mineral fertiliser sales, the nutrient content of mineral fertilisers sold in Ireland, and on lime sales from 2000 to 2025. It also contains data on mineral fertiliser imports and exports.

Mineral fertilisers are mainly used in agricultural production to enhance crop production. However, excessive use of mineral fertilisers containing Nitrogen and Phosphorus can lead to water, soil and air pollution as the nutrients are lost to the environment.

Lime is a soil conditioner which is used to regulate the acidity of soil. Applying lime to soil leads to carbon dioxide emissions from the carbon content of the lime. However, as soil acidity is a factor in fertiliser efficiency, applying lime to soil can reduce requirements for mineral fertilisers.

The data are measured in tonnes of fertiliser, tonnes of nutrient, or tonnes of lime.

### 5.2. Classification System

Not applicable to sales data. Trade data are classified by Combined Nomenclature (CN) code.

### 5.3. Sector Coverage

All enterprises involved in selling mineral fertiliser products to retailers; quarries involved in lime sales.

For fertiliser imports and exports, the CN codes included in this release correspond to the following product groups:

- Nitrogenous fertilisers (CN31021010 - CN31029000)
- Phosphatic fertilisers (CN31031010 - CN31039000)
- Potassic fertilisers (CN31042010 - CN31049000)
- Mixed fertilisers (CN31052010 - CN31059080).

These products are included because they are mineral or chemical fertilisers, similar to the products included in the fertiliser sales data. Trade in animal or vegetable fertilisers is not included, nor are imports or exports of lime, ammonia, or phosphates.

### 5.4. Statistical Concepts and definitions

Mineral fertilisers are also known as inorganic fertilisers. 'Inorganic fertiliser' means a fertiliser in which the declared nutrients are in the form of minerals obtained by extraction or by physical and/or chemical industrial processes. Calcium cyanamide, urea and its condensation and association products, and fertilisers containing chelated or complex micro-nutrients may, by convention, be classed as inorganic fertilisers (Regulation (EC) No 2003/2003).

### 5.5. Statistical Unit

An enterprise involved in the sale of mineral fertilisers to retailers in Ireland. A quarry involved in the sale of lime. An enterprise involved in the import or export of mineral fertilisers.

### 5.6. Statistical Population

All enterprises selling mineral fertilisers to retailers. All quarries involved in the sale of lime.

### 5.7. Reference Area

Ireland.



## 5.8. Time Coverage

2000-2025

## 5.9. Base period

Not applicable.

## 6. Unit of Measure

Tonnes of fertiliser; tonnes of nutrient; tonnes of lime.

## 7. Reference Period

Data on mineral fertiliser sales are collected for the crop year, which runs from October to September. Trade data and data on lime sales are collected and published for the calendar year.

## 8. Institutional Mandate

### 8.1. Legal Acts and other agreements

Data on the Nitrogen and Phosphorus content of mineral fertilisers sold in Ireland are transmitted annually to Eurostat under a voluntary data collection. The data are collected and compiled by the Department of Agriculture, Food and the Marine, and are submitted to Eurostat by the CSO.

### 8.2. Data Sharing

Not applicable.

## 9. Confidentiality

### 9.1. Confidentiality – policy

All information supplied to the CSO is treated as strictly confidential. The Statistics Act, 1993 sets stringent confidentiality standards: Information collected may be used only for statistical purposes, and no details that might be related to an identifiable person or business undertaking may be divulged to any other government department or body. These national statistical confidentiality provisions are reinforced by the following EU legislation: Council Regulation (EC) No 223/2009 on European statistics for data collected for EU statistical purposes. Further details are outlined in the CSO's Code of Practice on Statistical Confidentiality.

For more information on the CSO confidentiality policy please visit:  
<https://www.cso.ie/en/aboutus/lqdp/csodatapolicies/statisticalconfidentiality/>

### 9.2. Confidentiality – data treatment

All confidential data are treated in accordance with Part V of the Statistics Act 1993.



## 10. Release Policy

### 10.1. Release Calendar

The date of dissemination of all statistics released by CSO can be found in the Release Calendar published in CSO.ie. This calendar is regularly updated.

### 10.2. Release calendar access

The release calendar can be accessed via the CSO website, [www.cso.ie](http://www.cso.ie), or directly from this link: <https://www.cso.ie/en/csolatestnews/releasecalendar/>

### 10.3. User access

In accordance with Principle 6 of the European Statistics Code of Practice all users of CSO statistics have equal access via the CSO website at the same time of 11 am. Any privileged pre-release access to any outside user is limited, controlled and publicised. In the event that leaks occur, pre-release arrangements are revised so as to ensure impartiality.

The CSO recognises that in very limited circumstances a business need for pre-release access may be substantiated. Any form of pre-release access is a privilege and a strict CSO pre-release access policy is adhered to for these special requests. The full pre-release access policy can be accessed at <https://www.cso.ie/en/aboutus/lqdp/csodatapolicies/csopre-releaseaccesspolicy/>

The various results are published nationally in statistical release format on the CSO website ([www.cso.ie](http://www.cso.ie)). Selected extracts from the results are posted on the CSO data dissemination database, PxStat.

## 11. Frequency of Dissemination

Annual.

## 12. Accessibility and clarity

### 12.1. News release

No press release was issued with this publication.

### 12.2. Publications

The Fertiliser Sales 2025 release is published on the CSO website at the following link: <https://www.cso.ie/en/statistics/agri-environment/fertilisersales/>

### 12.3. On-line database

The tables associated with this release can be found in our online dissemination database, PxStat through the following link: <https://data.cso.ie/product/FSA>

#### 12.3.1. AC 1. Data tables - consultations

Not available.

### 12.4. Micro-data Access

Not available.



## 12.5. Other

### 12.5.1. AC2. Metadata consultations

Not available.

## 12.6. Documentation on Methodology

### 12.6.1. AC3 – Metadata completeness – rate

Not calculated.

## 12.7. Quality Documentation

Further information on the documentation associated with this output can be found in the Methods page at <https://www.cso.ie/en/methods/agri-environment/fertilisersales/>

# 13. Quality Management

## 13.1. Quality Assurance

### Quality Management Framework

The CSO avails of an office wide Quality Management Framework (QMF). This framework allows all CSO processes and outputs to meet the required standard as set out in the European Statistics Code of Business Process Model (GSBPM) as the operating statistical production model to achieve a standardised approach to Quality Management. All and any changes implemented to CSO processes and outputs require adherence to the QMF.

## 13.2. Quality Assessment

The reported data are considered to be of good quality. They are based on a survey of all enterprises involved in the sale of mineral fertilisers and a survey of quarries involved in the sale of lime. The surveys are carried out by the Department of Agriculture, Food and the Marine. The response rate is usually 100% for both surveys. Data processing involves collating the data into one report. Data are checked by the Department of Agriculture and any issues identified are clarified with the company.

# 14. Relevance

## 14.1. User Needs

Statistics on the nutrient content of fertilisers and lime sales are relevant to the implementation of the Nitrates Directive and the compilation of emissions inventories.

### 14.1.1. Main National Users

Government, policy-makers, environment sector, national media, general public.

### 14.1.2. Principal External Users

Policy-makers interested in integration of environmental concerns into the Common Agricultural Policy.

## 14.2. User Satisfaction

Not measured.



### **14.3. Data Completeness**

Not calculated.

#### **14.3.1. Data Completeness rate**

Not calculated.

## **15. Accuracy and reliability**

### **15.1. Overall accuracy**

The degree of accuracy is expected to be high as all companies involved in the sale of fertilisers to retailers provide data to the Department of Agriculture, Food and the Marine.

### **15.2. Sampling Error**

Not applicable.

#### **15.2.1. A1. Sampling error indicator**

Not applicable as all units of the population are included.

### **15.3. Non-sampling Error**

Not applicable.

#### **15.3.1. Coverage error**

All units of the population are covered. Some fertiliser sales may be for non-agricultural purposes.

##### **15.3.1.1. A2. Over coverage rate**

Not available.

##### **15.3.1.2. A3. Common units – proportion**

Not applicable.

#### **15.3.2. Measurement error**

Expected to be low as respondents report simple totals for each type of fertiliser.

#### **15.3.3. Non-Response Error**

Expected to be low due to very high or full response rate.

##### **15.3.3.1. Unit non-response rate**

None.

##### **15.3.3.2. Item non-response rate**

Not known but expected to be very low or non-existent.

#### **15.3.4. Processing error**

Expected to be very low or non-existent as data are simply collated to totals by the Department of Agriculture, Food and the Marine.

#### **15.3.5. Model assumption error**

Not applicable.



## 16. Timeliness and punctuality

### 16.1. Timeliness

This release was published within 16 weeks of the end of the reference year. Data are submitted to Eurostat 23 months after the end of the reference year.

#### 16.1.1. TP1. Time lag – First results

16 weeks

#### 16.1.2. TP2. Time lag – Final results

16 weeks

### 16.2. Punctuality

The CSO statistical release was published on 17 April 2026, 11am as specified in the CSO's release calendar.

#### 16.2.1. TP3. Punctuality – Punctuality - delivery and publication

The release was delivered on time according to the release calendar.

## 17. Comparability

### 17.1. Comparability – Geographical

Fertiliser sales data are collected on a country level (NUTS 0). The geographical comparability between countries is evaluated by Eurostat. According to Eurostat, geographical comparability is limited due to different methodologies and data sources applied.

### 17.2. Comparability over time

The Department of Agriculture, Food and the Marine has not made any significant changes to the data collection procedure over the period 2000-2025.

#### 17.2.1. Length of Comparable Time series

26 years.

### 17.3. Coherence – cross domain

#### 17.3.1. Coherence – Sub annual and annual statistics

Not applicable.

#### 17.3.2. Coherence with National Accounts

Not applicable.

### 17.4. Coherence – internal

Not applicable.

## 18. Cost and Burden

Estimates of Cost and Burden can be obtained from the Response Burden Barometer <https://www.cso.ie/en/statistics/enterprisestatistics/responseburdenbarometer/>



Survey specific information is available via CSO's dissemination database PxStat.  
<https://data.cso.ie/product/RBB>

## 19. Data Revision

### 19.1. Data Revision Policy

Revisions refer to changes made to published statistical data when the information used in its production has been updated or corrected. This information includes all data used in compiling the statistic e.g. respondent data, administrative data, weights and factors, methodology, classifications, definitions, modifications to survey questionnaires, survey scope and data collection methods.

The data revision policy that CSO statistics adheres to can be found via the following link:  
<https://www.cso.ie/en/methods/quality/treatmentofrevisions/>

### 19.2. Data Revision Practice

Data may be subject to revision; however revisions to fertiliser sales and lime sales data are usually infrequent and minor.

#### 19.2.1. Data Revision – Average size

Not applicable.

## 20. Statistical processing

### 20.1. Source Data

The process of data collection is via census of all fertiliser trade companies selling fertilisers to retailers and is carried out by the Department of Agriculture, Food and the Marine, and a survey of quarries selling lime. This CSO release is based on the data collected and compiled by the Department.

Data on fertiliser imports and exports are compiled by the CSO Trade Division.

Data on trade volumes within the EU are obtained via Intrastat, an EU-wide system for collecting trade statistics. The Intrastat survey is conducted by Revenue. Trade in Goods with non-EU countries is compiled mainly from the Single Administrative Document which is used for Customs clearance purposes. Further information on the methodology for compiling trade statistics can be found here: <https://www.cso.ie/en/methods/internationaltradeingoods/>.

#### 20.1.1. Population and sampling frame

All enterprises involved in fertiliser sales to retailers in Ireland. Quarries involved in the sale of lime.

#### 20.1.2. Sampling design

Not applicable.

#### 20.1.3. Survey size

There were fourteen enterprises involved in the sale of mineral fertilisers in 2021 and fifty quarries involved in lime sales. These numbers are unlikely to change significantly from year to year.

#### 20.1.4. Survey technique

Written email request for data.

### 20.2. Frequency of data collection

Quarterly (fertiliser sales) and monthly (lime sales and fertiliser imports and exports).



## 20.3. Data Collection

The process of data collection on mineral fertiliser sales is carried out by the Department of Agriculture, Food and the Marine through direct requests to all relevant enterprises to submit the required sales data within a given timeframe.

Data on trade volumes within the EU are obtained via Intrastat, an EU-wide system for collecting trade statistics. The Intrastat survey is conducted by Revenue. Trade in Goods with non-EU countries is compiled mainly from the Single Administrative Document which is used for Customs clearance purposes. Further information on the methodology for compiling trade statistics can be found here: <https://www.cso.ie/en/methods/internationaltradeingoods/>.

### 20.3.1. Type of Survey/Process

Data collection via direct request to relevant companies involved in mineral fertiliser sales.

### 20.3.2. Questionnaire (including explanations)

Not available.

### 20.3.3. Survey Participation

All enterprises involved in fertiliser sales to retailers in Ireland. Quarries involved in lime sales. The response rate tends to be high or complete.

### 20.3.4. Data Capture

Not available.

## 20.4. Data Validation

Data are checked by the Department of Agriculture, Food and the Marine against levels for previous years and queries may be issued to respondents if needed.

## 20.5. Data Compilation

Returns from relevant companies are collated into a single report by the Department of Agriculture, Food and the Marine.

### 20.5.1. Imputation (for Non-Response or Incomplete Data Sets)

Not applicable.

#### 20.5.1.1. Imputation rate

Not applicable.

### 20.5.2. Grossing and Weighting

Not applicable.

## 20.6. Adjustment

Not applicable.

### 20.6.1. Seasonal Adjustment

Not applicable.

## 21. Comment