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Standards

Irish Standard  
I.S. EN 12944-3:2019

# Fertilizers and liming materials - Vocabulary - Part 3: Terms relating to liming materials

**I.S. EN 12944-3:2019**

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

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## National Foreword

I.S. EN 12944-3:2019 is the adopted Irish version of the European Document EN 12944-3:2019, Fertilizers and liming materials - Vocabulary - Part 3: Terms relating to liming materials

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**EUROPEAN STANDARD**

**EN 12944-3**

**NORME EUROPÉENNE**

**EUROPÄISCHE NORM**

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ICS 01.040.65; 65.080

Supersedes EN 12944-3:2001

English Version

## **Fertilizers and liming materials - Vocabulary - Part 3: Terms relating to liming materials**

Engrais et amendements minéraux basiques -  
Vocabulaire - Partie 3 : Termes relatifs aux  
amendements minéraux basiques

Düngemittel und Kalkdünger - Vokabular - Teil 3:  
Begriffe für Kalkdünger

This European Standard was approved by CEN on 14 December 2018.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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<b>Contents</b>	<b>Page</b>
<b>European foreword.....</b>	<b>3</b>
<b>1 Scope .....</b>	<b>4</b>
<b>2 Normative references .....</b>	<b>4</b>
<b>3 Terms and definitions .....</b>	<b>4</b>
<b>3.1 Terms relating to products of production .....</b>	<b>4</b>
<b>3.2 Terms relating to physical or physico-chemical properties.....</b>	<b>7</b>
<b>3.3 Terms relating to agricultural and environment liming purposes and use .....</b>	<b>9</b>
<b>3.4 Terms relating to liming effect.....</b>	<b>9</b>
<b>Annex A (informative) Index.....</b>	<b>10</b>
<b>Annex B (informative) General index .....</b>	<b>13</b>
<b>Bibliography.....</b>	<b>22</b>

## European foreword

This document (EN 12944-3:2019) has been prepared by Technical Committee CEN/TC 260 “Fertilizers and liming materials”, the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by August 2019, and conflicting national standards shall be withdrawn at the latest by August 2019.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 12944-3:2001.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

The following changes have been made to the former edition:

- a) terminological entry 3.1.20 “liming material” revised;
- b) definition of 3.2.5 “acidification” revised;
- c) terminological entry 3.2.13 “neutralizing value” revised;
- d) definition of 3.2.14 “reactivity” harmonized with ISO 8157:2015;
- e) former terminological entry 2.2.15 “specific area” deleted;
- f) new terminological entry 3.2.15 “base saturation rate” added;
- g) definition of 3.4.2 “liming effect” harmonized with ISO 8157:2015;

EN 12944, *Fertilizers and liming materials — Vocabulary*, is currently composed of the following parts:

- *Part 1: General terms.*
- *Part 2: Terms relating to fertilizers.*
- *Part 3: Terms relating to liming materials.*

These definitions may not necessarily correspond with those used in national legislation.

NOTE A classification scheme for fertilizers and liming materials is given in EN 13535 [1].

## EN 12944-3:2019 (E)

### 1 Scope

This document defines terms relating to liming materials.

An index of all terms defined in this part of EN 12944, with their French and German equivalents, is given in Annex A.

A general index of all terms defined in all three parts of EN 12944, with their French and German equivalents, is given in Annex B.

### 2 Normative references

There are no normative references in this document.

### 3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

#### 3.1 Terms relating to products of production

##### 3.1.1

##### **calcination**

burning or heating of a material, usually in order to remove volatile components or in order to change the crystal structure

##### 3.1.2

##### **carbonation**

conversion of slaked lime to carbonate by uptake of carbon dioxide

##### 3.1.3

##### **chalk**

form of calcium carbonate derived from the skeletons of microscopic marine organisms

##### 3.1.4

##### **wet grinding**

grinding of material in the presence of water

##### 3.1.5

##### **degree of burning**

degree to which carbon dioxide has been removed during the production of quicklime or burnt dolomite

##### 3.1.6

##### **lime-burnt dolomite**

dolomitic limestone calcined to the same carbon dioxide level as normally burnt limestone

##### 3.1.7

##### **burnt dolomite**

liming material mainly consisting of calcium oxide and magnesium oxide obtained by calcination of dolomitic limestone



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