

Liming materials - Description and minimum requirements

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 14069:2004 sisaldab Euroopa standardi EN 14069:2003 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 28.01.2004 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 14069:2004 consists of the English text of the European standard EN 14069:2003.</p> <p>This document is endorsed on 28.01.2004 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala:</p> <p>This European standard describes and specifies the important properties and minimum requirements of products of natural origin and products from industrial processes to be used as liming materials in agriculture for raising the pH of soil and water. This European standard establishes the complete list of liming materials based upon their neutralizing values</p>	<p>Scope:</p> <p>This European standard describes and specifies the important properties and minimum requirements of products of natural origin and products from industrial processes to be used as liming materials in agriculture for raising the pH of soil and water. This European standard establishes the complete list of liming materials based upon their neutralizing values</p>
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ICS 65.080

Võtmesõnad: fertilizers, hydroxides, industrial products, lime, limestone, magnesium, magnesium carbonate, magnesium oxides, minimum requirements, natural products, neutralization, ph, properties, slags, soil improving materials, solids, specification (approval), specifications

ICS 65.080

English version

Liming materials - Description and minimum requirements

Amendements minéraux basiques - Description et
exigences minimales

Calcium-/Magnesium-Bodenverbesserungsmittel -
Beschreibung und Mindestanforderungen

This European Standard was approved by CEN on 1 October 2003.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Management Centre or to any CEN member.

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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and United Kingdom.



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Foreword

This document (EN 14069:2003) 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 May 2004, and conflicting national standards shall be withdrawn at the latest by May 2004.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.

Introduction

Throughout the member countries of CEN, regular liming to regulate the soil pH level and to neutralize the effect of soil acidification is a well-established and essential agricultural operation on all soils in humid climates and under all systems of agricultural cultivation. Liming improves soil fertility and supplies essential plant nutrients.

Liming materials are also used in forest liming, lake liming and the liming of water catchment areas.

A wide range of natural geological deposits of liming materials is found in all member countries of CEN. Some industrial processes produce materials acceptable as liming products. This very wide range of material differs substantially in both chemical and physical properties. The use of these various materials will vary according to the type of material.

Consequently, it is not possible to specify all the properties of the liming materials used in Europe.

However, for the purpose of comparison of these products, it is necessary to describe and specify the minimum requirements of a liming material.

1 Scope

This European Standard describes and specifies the minimum requirements of products of natural origin and products from industrial processes to be used as liming materials in agriculture for raising the pH of soil and water.

NOTE All other characteristics which are important when assessing their value will vary from country to country, and should always be declared and conform to the relevant national legislation.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text, and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN 12944-1, *Fertilizers and liming materials and soil improvers — Vocabulary — Part 1: General terms.*

EN 12944-3, *Fertilizers and liming materials — Vocabulary — Part 3: Terms relating to liming materials.*

EN 12945, *Liming materials — Determination of neutralizing value — Titrimetric methods.*

EN 12946, *Liming materials — Determination of calcium content and magnesium content — Complexometric method.*

EN 12947, *Liming materials — Determination of magnesium content — Atomic absorption spectrometric method.*

EN 14397-2, *Fertilizers and liming materials — Determination of carbon dioxide — Part 2: Method for liming materials.*

3 Terms and definitions

For the purposes of this European Standard, the terms and definitions given in EN 12944-1, EN 12944-3 and the following apply.