



National Standards Authority of Ireland

IRISH STANDARD

I.S. CEN/TS 15084:2006

ICS 65.080

**LIMING MATERIALS - GUIDE TO THE
DETERMINATION OF THE LIME
REQUIREMENT**

National Standards
Authority of Ireland
Glasnevin, Dublin 9
Ireland

Tel: +353 1 807 3800
Fax: +353 1 807 3838
<http://www.nsai.ie>

Sales
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English Version

Liming materials - Guide to the determination of the lime requirement

Amendements minéraux basiques - Guide pour la
détermination de la besoin en chaux

Calcium-/Magnesium-Bodenverbesserungsmittel - Leitlinie
für die Bestimmung des Kalkbedarfs

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

Contents

Page

Foreword.....	3
Introduction	4
1 Scope	5
2 Normative references	5
3 Terms and definitions	5
4 Classification of soils	6
5 General principles	7
6 Preservation liming	9
7 Basal and improvement liming	10
8 Determination and calculation	11
9 Additional conditions to be considered	12
Bibliography	13

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Foreword

This document (CEN/TS 15084:2006) has been prepared by Technical Committee CEN/TC 260 "Fertilizers and liming materials", the secretariat of which is held by DIN.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to announce this CEN Technical Specification: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

Introduction

Regular liming for regulation of the pH value of the soil has a long tradition in agriculture. Liming has a neutralizing effect on the natural acidification of the soil and thus serves the maintenance of soil fertility.

The desired effects of liming are mainly:

- **physical:** Increased structure stability of the flocculation and porosity of mineral soils, leading to better drainage, structure stability of the soil and improved aeration of the soil.
- **chemical:** Positive influence on solubility of macro- and some micro-nutrients, a reduction in the availability of aluminium and other toxic elements in the soil and avoid aluminium toxicity.
- **biological:** general support of active soil organisms.

Existing European Standards specify methods for assessing the value of liming materials. It is also necessary to establish the principles to be used when calculating the amount of liming material required.

Throughout Europe, wide national and regional variations in soil type, climate and types of farming prohibit the general use of detailed and specific recommendations. The principles set out in this standard should be used by experts at a local level to establish lime requirement.

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