

Soil improvers and growing media — Sample preparation for chemical and physical tests, determination of dry matter content, moisture content and laboratory compacted bulk density

The European Standard EN 13040:1999 has the status of a
British Standard

ICS 65.080

National foreword

This British Standard is the official English language version of EN 13040:1999. Together with BS EN 12579:2000, BS EN 12580:2000, BS EN 13037:2000, BS EN 13038:2000, BS EN 13039:2000 and BS EN 13041:2000, it supersedes BS 4156:1990 which is withdrawn. A new edition of BS 4156 will be published in due course.

The UK participation in its preparation was entrusted to Technical Committee AW/20, Top soil and other growing media, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

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Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 15 and a back cover.

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**Soil improvers and growing media - Sample preparation for
chemical and physical tests, determination of dry matter content,
moisture content and laboratory compacted bulk density**

Amendements du sol et supports de culture – Préparation
des échantillons pour les essais physiques et chimiques,
détermination de la teneur en matière sèche, du taux
d'humidité et de la masse volumique compactée en
laboratoire

Bodenverbesserungsmittel und Kultursubstrate –
Probenherstellung für chemische und physikalische
Untersuchungen, Bestimmung des Trockenrückstands, des
Feuchtigkeitsgehaltes und der Laborschüttdichte

This European Standard was approved by CEN on 23 October 1999.

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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 Central Secretariat 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, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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Central Secretariat: rue de Stassart, 36 B-1050 Brussels

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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 223, Soil improvers and growing media, the Secretariat of which is held by BSI.

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 June 2000, and conflicting national standards shall be withdrawn at the latest by June 2000.

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, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Safety warning

Take care when handling samples that may contain sharps or are of a dusty nature. The handling of samples should be performed with latex gloves and in the case of dusty materials, with mask and gloves

1 Scope

This European Standard specifies a routine method for preparing a sample of a soil improver or a growing medium prior to chemical analysis and physical testing. The procedures described herein apply only to those samples that are supplied to the laboratory in the form in which they will be used for their intended purpose.

NOTE 1 The method is not applicable to liming materials or sewage sludges and is not suitable for materials like rockwool and foam slabs.

NOTE 2 The determination of the laboratory compacted bulk density is given in Annex A.

NOTE 3 The results of an interlaboratory trial to determine moisture content are given in Annex B.

NOTE 4 The results of an interlaboratory trial to determine compacted laboratory bulk density are given in Annex B.

NOTE 5 The requirements of the standard may differ from the national legal requirements for the declaration of the products concerned.

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.

EN 12579 Soil improvers and growing media - Sampling

ISO 565 Test sieves - Metal wire cloth, perforated metal plate and electroformed sheet - Nominal sizes of openings

3 Terms and definitions

For the purposes of this standard the terms and definitions in EN 12579 and the following apply.

3.1

test sample

sample prepared from the laboratory sample and from which test portions will be taken

3.2

test portion

quantity of material drawn from the test sample (or from the laboratory sample if both are the same) and on which the tests or observations are actually carried out