

Slow-release fertilizers— Determination of the release of the nutrients — Method for coated fertilizers

The European Standard EN 13266:2001 has the status of a
British Standard

ICS 65.080

Confirmed June 2011

National foreword

This British Standard is the official English language version of EN 13266:2001.
The UK participation in its preparation was entrusted to Technical Committee CII/37, Fertilizers and related chemicals, 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.

A list of organizations represented on this committee can be obtained on request to its secretary.

Additional information

The United kingdom voted against the acceptance of this standard at the Formal Vote stage. The principle UK objections were as follows:

- a) Criteria for the release conditions of slow release fertilizers are specified in the normative Annex A. This is outside of the scope of this test method.
- b) The “stated release time” is defined, in 3.4, as a property determined by the test method, when it should be the time stated by the manufacturer.
- c) Clause 9 gives requirements for the precision of the test method described in the standard. The UK deemed the precision of the main method in 9 to be poor and that an “accelerated test” would be even less reliable.
- d) There are no details or references to the standard analytical methods for the determination of nutrient concentration as required in 7.3, 7.4 and B.3.3.
- e) Clause 7 describes the procedure for the determination of the release of the nutrients. 7.2 describes the time intervals at which to determine the nutrient content of the fertilizer. The example of the time intervals is given in 7.2 for a slow release fertilizer intended to release nutrients over eight months. It is deemed that the time intervals need to be spread beyond the expected “longevity” in order that a more accurate value of nutrient content can be determined.
- f) The apparatus for controlling the temperature of the water, described in 5.4, could be further defined.
- g) A description of the “sensor system”, referred to in B.2.1.7 for use in the accelerated test of Annex B, is not provided.
- h) B.3.3 refers to the measurement of electrical conductivity, however no method is provided

Cross-references

The British Standards which implement international or European publications referred to in this document may be found in the *BSI Catalogue* under the section entitled “International Standards Correspondence Index”, or by using the “Search” facility of the *BSI Electronic Catalogue* or of British Standard Online.
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Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 12, an inside back cover and a back cover.
The BSI copyright date displayed in this document indicates when the document was last issued.

Amendments issued since publication

Amd. No.	Date	Comments

This British Standard, having been prepared under the direction of the Materials and Chemicals Sector Policy and Strategy Committee, was published under the authority of the Standards Policy and Strategy Committee on 15 August 2002

English version

Slow-release fertilizers - Determination of the release of the nutrients - Method for coated fertilizers

Engrais à libération lente - Détermination du mode de libération des éléments nutritifs - Méthode applicable aux engrais enrobés

Langsam freisetzende Düngemittel - Bestimmung der Freisetzungsrates von Nährstoffen - Verfahren für umhüllte Düngemittel

This European Standard was approved by CEN on 29 September 2001.

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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 Management Centre has the same status as the official versions.

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Foreword

This European Standard 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 April 2002, and conflicting national standards shall be withdrawn at the latest by April 2002.

Annex A is normative and annex B is informative.

This standard includes a Bibliography.

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.