



National Standards Authority of Ireland

IRISH STANDARD

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ICS 65.080

**FERTILIZERS AND LIMING MATERIALS -
SAMPLING AND SAMPLE PREPARATION -
PART 1: SAMPLING**

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Engrais et amendements minéraux basiques -
Echantillonnage et préparation des échantillons - Partie 1:
Echantillonnage

Düngemittel und Calcium-/Magnesium-
Bodenverbesserungsmittel - Probenahme und
Probenvorbereitung - Teil 1: Probenahme

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Foreword

This document (EN 1482-1:2007) 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of an identical text or by endorsement, at the latest by July 2007, and conflicting national standards shall be withdrawn at the latest by July 2007.

Together with Part 2, this document supersedes EN 1482:1996.

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association to provide a means of conforming to Essential Requirements of the Regulation (EC) No 2003/2003 of the European Parliament and of the Council of 13 October 2003 relating to fertilizers.

EN 1482, Fertilizers and liming materials — Sampling and sample preparation” consists of two parts:

- Part 1: Sampling
- Part 2: Sample preparation

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, 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 United Kingdom.

EN 1482-1:2007 (E)

Introduction

This European Standard (EN 1482-1) covers the following aspects of sampling, derived from the International Standards and documents indicated but presented in a simplified and condensed form. The titles of the International Standards are given in the Bibliography.

- Sampling plans and quantitative data: ISO 8634, ISO/TR 5307, ISO/TR 7553 and EEC 77/535 (superseded by Regulation (EC) No 2003/2003).
- Sampling methods: ISO 3963, and EEC 77/535 (superseded by Regulation (EC) No 2003/2003).
- Reduction: ISO 7410, ISO 7742, ISO 8358 and EEC 77/535 (superseded by Regulation (EC) No 2003/2003).
- Sampling reports: ISO 5306 and EEC 77/535 (superseded by Regulation (EC) No 2003/2003).

EN 1482-2 covers the reduction and preparation of samples for analysis.

Figure 1 gives a schematic diagram of the sampling and sample preparation process for solids.

The fundamental principle of representative sampling is that every particle has an equal chance of being selected or rejected. This principle cannot easily be complied with in the case of bulk heaps of solid fertilizers or large storage tanks of fluid fertilizers as the majority of the material cannot be reached by any sampling device. The fertilizer in these cases should be sampled during transfer, during the building up of the heap, during the filling of the storage tank, during dispatch or where it is being moved solely for sampling purposes.

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