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Soil quality - Determination of dry bulk density (ISO 11272:1998)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 08/14

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NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 11272

March 2014

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English Version

Soil quality - Determination of dry bulk density (ISO 11272:1998)

Qualité du sol - Détermination de la masse volumique
apparente sèche (ISO 11272:1998)

Bodenbeschaffenheit - Bestimmung der Trockenrohddichte
(ISO 11272:1998)

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Foreword

The text of ISO 11272:1998 has been prepared by Technical Committee ISO/TC 190 “Soil quality” of the International Organization for Standardization (ISO) and has been taken over as EN ISO 11272:2014 by Technical Committee CEN/TC 345 “Characterization of soils” the secretariat of which is held by NEN.

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of an identical text or by endorsement, at the latest by September 2014, and conflicting national standards shall be withdrawn at the latest by September 2014.

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Endorsement notice

The text of ISO 11272:1998 has been approved by CEN as EN ISO 11272:2014 without any modification.

INTERNATIONAL STANDARD

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11272

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Soil quality — Determination of dry bulk density

Qualité du sol — Détermination de la masse volumique apparente sèche



Reference number
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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 11272 was prepared by Technical Committee ISO/TC 190, *Soil quality*, Subcommittee SC 5, *Physical methods*.

Annexes A and B of this International Standard are for information only.

Introduction

The dry bulk density is used together with the particle density (see ISO 11508) for the calculation of the solids content and porosity of soil for the evaluation of soil structure, and conversion of concentrations of substances in soil from mass/volume to mass/mass and vice versa.

Soil quality — Determination of dry bulk density

1 Scope

This International Standard describes three methods for the determination of dry bulk density of soils calculated from the mass and the volume of a soil sample. The methods involve drying and weighing a soil sample, the volume of which is either known (core method, see 4.1) or has to be determined (excavation method, see 4.2, and clod method, see 4.3).

2 Normative reference

The following standard contains provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the edition indicated was valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent edition of the standard indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 10381-1: –¹⁾, *Soil quality — Sampling — Part 1: Guidance on the design of sampling programmes.*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN

¹⁾ To be published.