

Soil quality - Vocabulary (ISO 11074:2015)

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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ICS 01.040.13, 13.080.01

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ICS 01.040.13; 13.080.01

English Version

Soil quality - Vocabulary (ISO 11074:2015)

Qualité du sol - Vocabulaire (ISO 11074:2015)

Bodenbeschaffenheit - Wörterbuch (ISO 11074:2015)

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Foreword

This document (EN ISO 11074:2015) has been prepared by Technical Committee ISO/TC 190 "Soil quality" in collaboration with 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of an identical text or by endorsement, at the latest by December 2015, and conflicting national standards shall be withdrawn at the latest by December 2015.

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The text of ISO 11074:2015 has been approved by CEN as EN ISO 11074:2015 without any modification.

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Soil quality — Vocabulary

1 Scope

This International Standard defines a list of terms used in the preparation of the standards in the field of soil quality.

The terms are classified under the following main headings:

- general terms (terms relating to soil, soil materials, land, and sites);
- description of soil (soil characteristics, soil water, properties of soils and substances, processes in soil, contamination, pollution, background content);
- sampling (general terms, sample types/sampling type, sampling stages, execution of sampling, quality control samples, sample pretreatment);
- terms relating to the assessment of soils (quality, assessment of soil and sites with respect to risk, hazard and exposure, soil protection);
- remediation (general terms, principal remediation types, engineering-based methods, process-based treatment methods);
- soil ecotoxicology.

NOTE See also the ISO online browsing platform (OBP): www.iso.org/obp/ui/

2 General terms and definitions

2.1 Terms and definitions relating to soil

2.1.1

aerobic

descriptive of a condition with molecular oxygen available

2.1.2

anaerobic

descriptive of a condition with no molecular oxygen available

2.1.3

available water capacity

soil water content usable by plants based on the effective root penetration depth

Note 1 to entry: The usable field capacity in the effective root zone is expressed in mm water column.

Note 2 to entry: The available water capacity (AWC) is generally taken to be the water content between field capacity (FC) and the permanent wilting point (PWP) or 10 kilopascals to 1 500 kilopascals. See readily available water capacity.

2.1.4

dissolved organic carbon

DOC

concentration of organic carbon remaining in solution after filtration and/or centrifugation under defined conditions

Note 1 to entry: It is expressed in mg/l, g/m³.