

Soil quality —

Part 4: Biological methods —

Section 4.2 Effects of pollutants on soil fauna —

Subsection 4.2.1 Determination of acute toxicity to earthworms (*Eisenia fetida*) using artificial soil substrate

UDC 631.453

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Environment and Pollution Standards Policy Committee (EPC/-) to Technical Committee EPC/48, upon which the following bodies were represented:

- Association of Consulting Scientists
- Association of County Councils
- Association of Environmental Consultants
- Association of Public Analysts
- British Gas plc
- British Geological Survey
- British Society of Soil Science
- Chemical Industries' Association
- Confederation of British Industry
- Department of Agriculture Northern Ireland
- Department of the Environment
- Department of the Environment (Drinking Water Inspectorate)
- Department of Trade and Industry
- Department of Trade and Industry (Laboratory of the Government Chemist)
- Institute of Groundsmanship
- Institute of Terrestrial Ecology
- Institution of Environmental Health Officers
- Institution of Water and Environmental Management
- Macaulay Land Use Research Institute
- Ministry of Agriculture, Fisheries and Food
- Soil Survey and Land Research Centre
- Water Research Centre
- Water Services Association of England and Wales

The following bodies were also represented in the drafting of the standard, through subcommittees and panels:

- British Agrochemicals Association Ltd.
- British Wood Preserving and Damp-proofing Association
- Landscape Institute
- Soap and Detergent Industry Association
- Society of Chemical Industry
- Society of Environmental Toxicology and Chemistry
- University of East London
- University of Southampton

This British Standard, having been prepared under the direction of the Environment and Pollution Standards Policy Committee, was published under the authority of the Standards Board and comes into effect on 15 March 1994

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National foreword

This Subsection of BS 7755 has been prepared under the direction of the Environment and Pollution Standards Policy Committee. It is identical with ISO 11268-1:1993 *Soil quality — Effects of pollutants on earthworms (Eisenia fetida) — Part 1: Determination of acute toxicity using artificial soil substrate*, published by the International Organization for Standardization (ISO). ISO 11268-1 was prepared by Subcommittee 4, Biological methods, of Technical Committee ISO/TC 190, Soil quality, with the active participation and approval of the UK.

BS 7755 is being published in a series of Parts subdivided into Sections and Subsections that will generally correspond to particular International Standards. Other Parts of BS 7755 are, or will be, as follows.

- *Part 1: Terminology and classification;*
- *Part 2: Sampling;*
- *Part 3: Chemical methods;*
- *Part 4: Biological methods;*
- *Part 5: Physical methods.*

Section 4.2 of BS 7755-4 is one of a group of standards dealing with biological tests on soil. Other Sections in this Part are, or will be, as follows.

- *Section 4.1: Biodegradability;*
- *Section 4.3: Effects of pollutants on soil flora;*
- *Section 4.4: Effects of pollutants on soil microorganisms.*

Section 4.2 is, or will be, divided into the following Subsections.

- *Subsection 4.2.1: Determination of acute toxicity to earthworms (Eisenia fetida) using artificial soil, substrate;*
- *Subsection 4.2.2: Determination of inhibition of reproduction in earthworms (Eisenia fetida);*
- *Subsection 4.2.3: Guidance for field tests on earthworms.*

Cross-references

The Technical Committee has reviewed the provisions of the drafts of ISO 11274 and ISO 11461, to which normative reference is made in the text, and has decided that they are acceptable for use in conjunction with this standard. When the International Standards have been published, it is intended to implement them as identical, dual-numbered British Standards in this series.

Typographical errors. In 8.4, line 1, “chroloacetamide” should read “chloroacetamide”. In Annex B, reference [8], line 1, “or” should read “of”.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 6, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.