
**Soil quality — Guidance on the choice
and evaluation of bioassays for
ecotoxicological characterization of
soils and soil materials**

*Qualité du sol — Lignes directrices relatives aux choix et
à l'évaluation des essais appliqués pour la caractérisation
écotoxicologique des sols et des matériaux de type sol*

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Foreword

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This document was prepared by Technical Committee ISO/TC 190, *Soil quality*, Subcommittee SC 4, *Biological characterization*.

This second edition cancels and replaces the first edition (ISO 17616:2008), which has been technically revised. The main changes compared to the previous edition are as follows:

- definitions for “soil use” and “ecosystem service” [10] have been added to [Clause 3](#);
- end points of ecotoxicity tests (e.g. mortality, reproduction, growth, genotoxicity, and other functional activities), as well as the overall principles and application of test batteries have been clarified in [Clause 4](#);
- sub-chronic toxicity tests have been added;
- [Figure 1](#) was revised;
- [Tables 1](#) and [2](#) (test batteries for retention and habitat function assessment, respectively) have been revised (test categories, test organisms added/deleted, references updated).

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