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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 27851-2011

Chemicals -- Terrestrial plant test -- Vegetative vigour test

化学品 陆生植物 生长活力试验

(English Translation)

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Table of Contents

Preface
Introduction
1 Scope
2 Terms and definitions
3 Principle
4 Test substance information
5 Quality Assurance and Quality Control
6 Reference material
7 Test Method
8 Test Procedure
9 Data and Reports
Appendix A (informative) Test desired plant species
Annex B (informative) non-crop plant species
Annex C (informative) suitable growing conditions for some crops example
References

Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules.

The Standards and Organisation for Economic Co-operation and Development (OECD) Guidelines for the Testing of Chemicals 227 (2006), "terrestrial plant growth vigor test" (English Chinese Version) identical technical content.

This standard configuration and do the following editorial changes.

- Contents Preface Introduction as content;
- Original biasing Appendix A for the text content;
- Remove the original Appendix C seed suppliers related content;
- The units of measurement to our legal units of measurement.

This standard is managed by the National Standardization Technical Committee chemicals dangerous (SAC/TC251) and focal points.

This standard was drafted. Guangdong Province, microbiological analysis Testing Center, Ministry of Environmental Protection Chemical Registration Center, China Inspection and

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Introduction

With the applicability of OECD guidelines for testing of chemicals and scientific progress and management of the use will be revised periodically proofreading. This standard OECD208 [1], based on the revised standard, which aims to evaluate the test substance on terrestrial plants out of the ground portion of the potential growth activity influences. The test itself does not include all the chronic effects and reproductive effects on plants (eg seed, flowering, fruit ripening). Should be considered Nature of exposure conditions (usage) of the test substance and the test substance in order to ensure the use of appropriate test methods. This standard applies to general chemicals Quality, biocidal agents and pesticides (also known as plant protection agents or pesticides). Standard is OECD208 [1-2] as well as other existing methods [3-8] as Developed on the basis, also referred to other plant trial-related literature [9-12].

Chemicals terrestrial plant growth vigor test

1 Scope

This standard specifies the evaluation of the potential impact of the test substance is exposed on the surface portion of the growth vigor of terrestrial plants method, does not include plants all chronic effects and reproductive effects (such as strong, flowering, fruit ripening).

This standard applies to general chemicals, crop protection agents or pesticides.

2 Terms and definitions

The following terms and definitions apply to this document.

Crop protection agents or pesticides crop protection products (CPPs)
or plant protection product (PPPs) or pesticides Having particular biological activity, specifically for protecting crops against pathogens (such as fungi, insects, weeds) against the substance.

Effect or effects concentration ratio $\times$ effect concentration or $\times$ effect rate, EC_x, ER_x Relative to the control group, at the end of the observation $\times$ % of the affected during concentration or the ratio (e.g., weight decreased aboveground plant, plant survival Mesh, or the appearance of plant damage by 25% or 50% concentration or ratio, respectively, EC₂₅/ER₂₅ or EC₅₀/ER₅₀).

Bud emergence

Coleoptile or cotyledon exposed soil surface.

Preparation formulation Formulated commercial product containing the active ingredient, known as the final product or the end product.

Lowest observed effect lowestobservedeffectconcentration, LOEC it can be observed in the lowest concentration effect of the test substance. In this test, compared with the control, within a given exposure time, which corresponds to LOEC, a significant effect (p