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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 3423-2012

Detection and identification of Phomopsis sclerotioides van Kesteren

黄瓜黑色根腐病菌检疫鉴定方法

(English Translation)

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Foreword

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

This standard is proposed and managed by the National Certification and Accreditation Administration Committee.

This standard was drafted. People's Republic of China Exit Inspection and Quarantine, Ningbo, Zhejiang, People's Republic of China Entry-Exit Inspection and Quarantine Bureau, People's Republic of China Guangdong Exit Inspection and Quarantine, China Institute of Metrology.

1 Scope

This standard specifies the Cucumber Black Root Rot (PhomopsissclerotioidesvanKesteren) of quarantine and identification methods.

This standard applies to black root rot host plants cucumber plants, quarantine and identification of seeds of cucumber black rot bacteria.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

SN/T 2122 entry and exit quarantine of plants and plant products sampled

3 Terms and Definitions

The following terms and definitions apply to this document.

False child seat pseudostroma the organization formed by the bacteria and the host plant

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tissue binding the child seat.

False sclerotia pseudosclerotium Organized by the combination of bacteria and host tissue together to form sclerotia.

4 Cucumber Black Root Rot basic information

Name. PhomopsissclerotioidesvanKesteren Synonyms. PhomopsissclerotioidesKest.spec.nov.

Chinese name. Cucumber Black Root Rot English name. CucumberBlackRootRot Taxonomic position. cucumber black rot fungus genus industry (Fungi), imperfect fungi Amon (Deuteromycotina), Coelomycetes (Coelomy-cetes), Sphaeropsidales (Sphaeropsidales), spherical shell spore Branch (Sphaeropsidaceae), Phomopsis genus (Phomopsis).

Transmission. The pathogen is a soil-borne disease, spread through the air, water or soil/media. Bacteria under adverse conditions, bacteria form Nuclear can survive in the soil for many years.

For additional information, see Appendix A. cucumber black rot fungus

5 Principle of the method

According cucumber black root rot symptoms on host plants, morphological characteristics of pathogens, biological characteristics and specific PCR reactions of germs were identified (see Appendix B, Appendix C).

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