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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 3749-2013

Detection and identification of Ce phalos porium gramineum Nisikado and Ikata

麦类条斑病菌检疫鉴定方法

(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. Tianjin People's Republic of China Exit Inspection and Quarantine.

1 Scope

This standard specifies the method for inspection and identification of wheat streak bacteria.

This standard applies to host seed wheat, barley, rye, plant debris and soil with wheat seeds carry germs quarantine streak.

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 2088 entry wheat, barley, inspection and quarantine procedures SN/T 2122 entry and exit quarantine of plants and plant products sampled

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3 Basic information of germs

Chinese name. wheat germ streak English name. cephalosporiumstripe Name. HymenulacerealisElis Asexual generation scientific name. Cephalosporiumgramineum Nisikado Asexual generation Synonyms. Cephalosporiumacremonium Corda Taxonomic position. wheat streak pathogen fungus industry (Fungi), mitosis fungal spores (Mitosporicfungi), Trichosporon Gang (Hypho-mycetes), cluster stems spore head (Moniliales), tumor seat spore Branch (Tuberculariaceae), tumor base plate spp (Hymenula). Anamorph belongs Mitosis fungal spores (Mitosporicfungi), Trichosporon Gang (Hyphomycetes), cluster stems spore head (Moniliales), cluster stems spore Branch (Moniliaceae), the genus Cephalosporium (Cephalosporium).

Transmission. The fungus is mainly spread through the soil of winter wheat, barley, rye and other host plants seeds and seed-born.

For additional information about wheat streak bacteria in Appendix A.

4 Principle of the method

Wheat streak of bacteria colonies, conidiophores, conidia morphology, cultural characters and other features is its identification basis.

5.1 Instrument

Stereo microscope, optical microscope (with a microscopic camera device), the balance (sense of volume 0.1g), biological safety cabinets, lighting and other incubator.

5.2 Appliances

Filter paper, beakers, petri dishes, flasks, forceps, slides, cover slips, measuring alcohol lamp, straws, vaccination needles.

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