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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 3177-2012

Detection and identification of Ophiostoma wageneri (Goheen and Cobb) Harrington

针叶松黑根病菌检疫鉴定方法

(English Translation)

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Foreword

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

Please note that some of the content of this document may involve patents. Distribution of this document Institutions do not assume the responsibility to identify these patents.

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 coniferous pine Hagan germs [Ophiostomawageneri (Goheen A) Check the symptoms, isolation and culture of experimental procedures and experimental identification methods.

This standard applies to coniferous pine Hagan germs associated host (nursery stock, logs or wood products) in pine needles Hagan pathogen detection, isolation and culture and identification.

2 Terms and definitions

The following terms and definitions apply to this document.

Tracheid

Within the xylem conducting and having a support function, sharp at both ends of the wedge, the thick wall of the tubular cells.

Bordered pits bordered-pit Pine tracheid cell wall thickening process, not formed in the region of a thickened channel.

Stems to section radialsection After the trunk, parallel to the trunk section.

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Tangential (lateral) section tangentialsection it does not pass through the center of the trunk, parallel to the trunk section.

Cross-section transversesection After a tree trunk, perpendicular to the trunk section.

3 Coniferous pine Hagan germs basic information

Scientific name. Ophiostomawageneri (Goheen Synonyms. CeratocystiswageneriGoheen ZWdeBeer Asexual generation scientific name. Leptographiumwageneri (WBKendr.) MJWingf.

Asexual generation Synonyms. VerticiladiellawageneriW.B.Kendr.

Chinese Name. Pine needles Hagan germs English name. Blackstainrootdisease Taxonomic position. pine needles Hagan bacteria fungi industry (Fungi), Ascomycota (Ascomycota), Pyrenomycetes (Pyrenomycetes), Spherical Head (Sphaeriales), Ceratocystis Branch (Ophiostomataceae), long beak (Shekou) shell genus (OphiostomaSydow Asexual generation thin stick bundle Terrier spp (Leptographium), depending on the host is divided into three variants L.wagenerivar.

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