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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 3428-2012

Detection and identification of Cronartium fusiforme Hedgcock and Hunt ex Cummins

松纺锤瘤锈病菌检疫鉴定方法

(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 Shanghai Entry-Exit Inspection and Quarantine Bureau, Ningbo Entry-Exit Inspection and Quarantine of People's Republic of China Bureau, the Shenzhen People's Republic of China Exit Inspection and Quarantine.

1 Scope

This standard specifies the entry in the phytosanitary spindle tumor loose rust (CronartiumfusiformeHedgcock Cummins) quarantine authentication methods.

This standard applies to the loose spindle tumor from rust in the countries and regions all Pinus spp (Pinusspp.), Quercus (Quercusspp.) Identification of host quarantine and other pine seedlings carried the spindle tumor rust.

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 Principle 3

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3.1 Nomenclature and Classification Status of germs

Name. CronartiumfusiformeHedgcock Alias. Cronartiumquercuum (Berkeley) MiyabeexShiraif.sp.fusiformeBurdsal Anamorph. PeridermiumfusiformeJ.C.Arthur English name. southernfusiformrust; southernfusiformofpinerust; fusiformrustofpine Tumor spindle loose rust (CronartiumfusiformeHedgcock Cotina (Basidiomycotina), winter cinerea Gang (Teliomycetes), rust mesh (Uredinales), column rust Branch (Cronartiaceae), column Rust genus (Cronartium).

3.2 Identification based

Tumor spindle loose rust pathogen host range, damage characteristics, pathogen morphological and cultural characteristics of the tumor spindle loose rust quarantine and identification methods the main basis, see Appendix A.

4.1 Equipment

Stereo microscope, biological microscope (with oil immersion and micrometer), electronic analytical balance (inductance 0.001g), general balance (inductance 0.1g), Clean benches, biological incubator, autoclave, fridge.

4.2 Test device

Ax, saws, hand-held magnifying glass, scalpels, scissors, white disk, tweezers, slides, cover slips, measuring pipette, alcohol lamp.

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