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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 3747-2013

Detection and identification of Ovulinia azaleae Weiss

杜鹃花枯萎病菌检疫鉴定方法

(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 Ningbo Exit Inspection and Quarantine.

1 Scope

This standard specifies the azaleas on host plants like azaleas Fusarium quarantine and identification methods.

This standard applies to azalea wilt quarantine and identification of bacteria.

2 Azalea Fusarium oxysporum basic information

Scientific name. OvuliniaazaleaeWeiss, 1940 Formerly known as. Sclerotiniaazaleae (FAWeiss) Dennis, (1956) Anamorph. OvulitusazaleaeBuchwald Taxonomic position. Fungi (Fungi), Ascomycotina (Ascomycota), Ascomycetes (Ascomycetes), flexible membrane bacteria mesh (Helo-tiales), nuclear pezizaceae (Sclerotiniaceae), Beauveria Sclerotinia spp (Ovulinia).

Transmission. the bacteria can be wind, rain, insects and field operations spread Essay disease petals over long distances.

Other information contained in the bacteria in Appendix A.

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3 PRINCIPLE OF THE METHOD

In azaleas wilt pathogen culture traits and morphological characteristics of the pathogen as a basis for identification.

4.1 Equipment

Microscope (with measurements), stereo microscope, clean benches, biological incubator, scales, autoclaves, beakers, flasks, Cylinder, test tubes, Petri dishes (diameter 9cm), alcohol lamp, tweezers, scissors, scalpels, needle inoculation, slides, cover slips, fluorescent lamps, filter paper.

4.2 Reagents

Sodium hypochlorite, corn flour, agar powder, anhydrous ethanol.

4.3 Medium

Corn meal agar (CMA). Weigh corn flour 200g, add appropriate amount of distilled water and boil for about 20min, double gauze filtration, Filtered juice was added agar 20g, continue to cook until the agar is completely dissolved, add distilled water to make up 1000mL, 121 °C autoclave 20min.

Identify bacteria 5

5.1 Symptom Check

Picked diseased plants were observed. Disease symptoms described in Appendix A.

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