

SN

**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

SN/T 3678-2013

**Detection and identification of *Tilletia puccinelliae* Carris, Castl.
and G.Huang.**

(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 Puccinillia Tilletia fungus (*Tilletiapuccinelliae*Carris, Castl.

State determination, germination experiment steps and methods.

This standard applies to quarantine and identification Puccinillia seeds Puccinillia Tilletia 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.

GB/T 18085-2000 phytosanitary wheat dwarf bunt quarantine and identification of bacteria

3 *Puccinillia Tilletia* fungus basic information

Scientific name. *Tilletiapuccinelliae*Carris, Castl.

Chinese name. *Puccinillia Tilletia* fungus Taxonomic position. *Puccinillia* fishy *Ustilago* Fungi (Fungi), Basidiomycota (Basidiomycota), *Ustilago* Gang (*Ustilaginomyces*), outside Basidiomycetes subclass (*Exobasidiomycetidae*), fishy *Ustilago* mesh (*Tilletiales*), fishy *ustilaginaceae* (*Tilletiaceae*), *Tilletia* Genus (*Tilletia*).

Host. *Puccinillia Puccinellia*distans (L.) Parl.

Distribution. United States

4 Principle of the method

Germ and bacteria teliospore gall morphology, physiological characteristics of winter spore germination (see Appendix A) is an alkali Mao fungus *Tilletia* quarantine identification basis.

5.1 Equipment

Magnifier, sterile petri dish (diameter 9cm), flasks, centrifuge tubes, centrifuge tubes (1.5 mL of), tweezers, alcohol lamp, slides, cover glass Tablets.

Low-speed centrifuge, reciprocating oscillator, a vortex, stereo microscope, biological microscope, clean benches, biological incubator, electronic the balance (inductance 0.01g), Autoclave like.

5.2 Reagents and culture medium

Tween -20 (Tween-20), Schiel's floating carrier (see GB/T 18085-2000 in A Schiel's floating carrier preparation method appendix), Joan Fat, 0.25% sodium hypochlorite (NaClO_4), absolute ethanol.

3% water agar.