

YC

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

YC/T 626-2025

**Tobacco Seed Vigor Determination - Cold resistance method
(English Translation)**

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents".

Drafting.

Please note that some content in this document may involve patents. This document is published.

The organization is not responsible for identifying patents.

This document was proposed by the State Tobacco Monopoly Administration.

This document is under the jurisdiction of the Agricultural Subcommittee of the National Tobacco Standardization Technical Committee (SAC/TC 144/SC 2).

1 Scope

This document describes a method for determining the cold resistance of tobacco seed vigor.

This document applies to the determination of the vigor of tobacco seeds (naked seeds and pelleted seeds) produced, processed, stored, and sold.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are listed below.

For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies.

This document.

GB/T 3543.2 Crop Seed Inspection Procedures Part 2: Sampling GB/T 8170 Rules for rounding off numerical values and the representation and determination of limiting values

GB/T 21138 Tobacco Seeds NY/T 3766 Determination of maize seed vigor using the cold soaking germination method

3 Terms and Definitions

The terms and definitions defined in GB/T 3543.2, GB/T 21138, and NY/T 3766, as well as the following terms and definitions, apply to this document.

raw seeds of tobacco Tobacco seeds that have not been coated or pelleted.

[Source. GB/T 21138-2019, 3.1] 3.2 pelleted seeds of tobacco Tobacco seeds are formed by coating them with a seed coating agent to create pellet-shaped tobacco seeds.

[Source. GB/T 21138-2019, 3.2] 3.3 Seed lot Seeds that are physically identical, have a unique identifier, and are within the specified weight.

[Source. GB/T 3543.2-2025, 3.1.1] 3.4 Pure seeds Tobacco seeds with a botanical seed concept.

[Source. GB/T 21138-2019, 3.11] 3.5 Seed vigor A comprehensive table of seed characteristics that determine the activity level and behavior of seeds during germination and emergence under a wide range of environmental conditions.

Currently, this includes the speed and uniformity of seed germination and seedling growth, the seed's ability to emerge under adverse conditions, and the germination rate after seed storage.