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

GB/T 46652-2025

**Gardening machinery - Powered material-collecting systems -
Safety**

园林机械 动力驱动的集料系统 安全

(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".

This document is equivalent to ISO 21628:2020 "Safety of power-driven aggregate systems for garden machinery".

1 Scope

This document specifies the design and structure of powered aggregate systems used in agriculture, horticulture, and site maintenance (such as landscaping). Safety requirements and their verification methods.

This document applies to suspended, semi-suspended, and traction machinery manufactured after its publication and implementation.

This document provides methods for eliminating or reducing mechanical hazards when using aggregate systems for their intended purpose.

This document does not cover environmental hazards, road safety, electromagnetic compatibility, power take-off (PTO) devices, PTO drive shaft protection and control. Require.

This document does not apply to machinery specified in ISO 5395-2 and ISO 5395-3.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included.

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 to this document.

GB/T 15706-2012 General principles for safety design of machinery. risk assessment and risk reduction (ISO 12100:2010, IDT)

GB/T 23821-2022 Safety of machinery - Safe distances to prevent upper and lower limbs

from touching hazardous areas (ISO 13857:2019, IDT)

ISO 730 Rear-mounted three-point suspension for agricultural wheeled tractors, categories 1N, 1, 2N, 2, 3N, 3, 4N and 4 (Agricultural)

Note: GB/T 1593-2015 Rear-mounted three-point suspension systems for agricultural wheeled tractors, categories 0, 1N, 1, 2N, 2, 3N, 3, 4N and 4 (ISO 730. 2009, MOD)

ISO 2332 Agricultural tractors and machinery - Three-point suspension system for implements - Clearance range around the implement (Agricultural) plement)

Note: GB/T 20343-2016 Clearance range around the implement for connecting devices of three-point suspension implements on agricultural tractors and machinery (ISO 2332. 2009, IDT)

ISO 3600 Operator's Manual for Agricultural and Forestry Tractors and Machinery, Lawn and Garden Power Machinery. Contents and Format tentandformat)

Note: GB/T 9480-2001 Rules for writing instruction manuals for agricultural and forestry tractors and machinery, and lawn and garden power machinery (ISO 3600:1996, EQV)

Note: GB/T 3766-2015 General rules and safety requirements for hydraulic transmission systems and their components (ISO 4413:2010, MOD)

ISO 11684 General rules for safety labeling of agricultural and forestry tractors and machinery, lawn and garden power machinery.

Note: GB 10396-2006 General Rules for Safety Signs and Hazard Symbols for Agricultural and Forestry Tractors and Machinery, Lawn and Horticultural Power Machinery (ISO 11684.