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

GB/T 25418-2022

Replacing GB/T 25418-2010

Rice direct seeder

水稻直播机

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part

1. Structure and Drafting Rules for Standardization Documents" drafting. This document replaces GB/T 25418-2010 "Rice Covering Soil Direct Seeding Machine". Compared with GB/T 25418-2010, except for structural adjustment and In addition to editorial changes, the main technical changes are as follows:

- a) The scope has been changed (see Chapter 1, Chapter 1 of the.2010 edition);
- b) Added some terms and definitions (see Chapter 3);
- c) Increased product model representation method (see Chapter 4);
- d) The performance of connecting parts, the quality of welded parts, the quality of castings, the quality of forgings and the quality requirements of stamping parts have been added (see Section 5 chapter);
- e) Increased the performance index of the coefficient of variation of seeding uniformity (see Table 1);
- f) Changed the index of variation coefficient of seed quantity consistency in each row (see Table 1, Table 1 of the.2010 edition);
- g) Added the indicators of pure operating hour productivity, hole rate, and hole distance qualification rate of rice direct seeding machine (see Table 1);
- h) Increased the main control and operational performance requirements of rice seeding unmanned aircraft (see Table 2);
- i) Added the performance requirements of the seeding monitoring system, and provided the corresponding test methods (see 5.2.6 and 7.2.7);
- j) Changed the use reliability (effectiveness) index of the rice direct seeding machine (see

5.3.1,

3.3.1 of the 2010 edition);

1 Scope

GB/T 25418-2022 is the Chinese national standard on rice direct seeder, in the field of agriculture. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 12 October 2022 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 12 October 2022. Classification: ICS 65.060.30, CCS B91. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This document specifies the product model representation method, technical requirements, safety requirements, test methods, inspection rules, signs, packaging Packing, transportation and storage. This document applies to light self-propelled, self-propelled, suspended rice direct seeding machines and rice direct seeding unmanned aerial vehicles (hereinafter referred to as "rice direct seeding machine").

2 Normative references

The contents of the following documents constitute the essential provisions of this document through normative references in the text. Among them, dated references For documents, only the version corresponding to the date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to this document.

GB/T 191 Packaging, storage and transportation icon marks

GB/T 1243 Short pitch precision roller chains, bush chains, accessories and sprockets for transmission

GB/T 2828.1 Counting sampling inspection procedure Part

1.Batch-by-batch inspection sampling plan retrieved by acceptance quality limit (AQL)

GB/T 3098.1-2010 Mechanical properties of fasteners Bolts, screws and studs

GB/T 3098.2-2015 Mechanical properties of fasteners Nuts

GB/T 5269 Double-pitch precision roller chains, accessories and sprockets for transmission and conveying

GB/T 9478 Test method for grain drill

GB/T 9480 Rules for compiling instruction manuals of agricultural and forestry tractors and machinery, lawn and gardening power machinery

GB 10395.9 Agricultural and Forestry Machinery Safety Part

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 The machinery for sowing rice seeds into paddy fields by means of sowing, hole sowing or drill sowing can be divided into self-propelled and suspended according to the structure.

9 Seeding Machinery

GB 10396 Agricultural and Forestry Tractors and Machinery, Lawn and Garden Power Machinery Safety Signs and Hazard Graphics General Rules GB/T 13306 Signage

GB/T 23821 Safety distance of machinery to prevent the upper and lower limbs from touching the danger zone

GB/T 35383-2017 Sowing Monitoring System

GB/T 37361 Determination of paint film thickness ultrasonic thickness gauge method

JB/T 5673 General technical requirements for painting of agricultural and forestry tractors and implements

JB/T 8574 Agricultural Machinery Product Model Compilation Rules

JB/T 9783 External grooved wheel seed meter for planter

JB/T 9832.2 Determination of paint film adhesion performance of agricultural and forestry tractors and implements Compression method

NY/T 3881-2021 Technical Specifications for Quality Evaluation of Remote Controlled Flying Seeders