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

GB/T 47572-2026

Agricultural sprayers - Recording of spray drift parameters

农用喷雾机（器）喷雾飘移参数的记录

(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 4444:2022 "Agricultural sprayers - Recording of spray drift parameters".

The following minimal editorial changes have been made to this document.

---Use the international unit "MPa" instead of "bar".

1 Scope

The requirement is to automatically measure and record controllable operating parameters (during spraying operations).

The measured and recorded values can be used to compare sprayer settings with specific DRT regulations.

This document applies to sprayers for field, shrub, and tree crops, but not to handheld and portable sprayers. This document covers the following parameters.

- a) Spray pressure (spray liquid pressure and air pressure of the two-phase flow nozzle);
- b) Nozzle height (for field crop sprayers);
- c) Fan speed (for airflow-assisted sprayers);
- d) Sprayer forward speed. This document does not specify.

---Record the exact duration of the period;

---Verification of measured and recorded parameters;

---Data formats and exchange requirements already covered by other existing standards.

This document does not specify which of the four parameters needs to be monitored.

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 39515.2-2021 Environmental requirements for agricultural and forestry machinery sprayers - Part 2: Horizontal boom sprayers (ISO 16119-2:2013, IDT)

Note: GB/T 20085-2024 Glossary of Plant Protection Machinery (ISO 5681:2020, MOD)

3 Terms and Definitions

The terms and definitions defined in ISO 5681 and the following terms and definitions apply to this document.

ISO and IEC maintain a terminology database for standardization purposes at the following addresses.

3.2 Air pressure

The air pressure applied to the two-phase flow nozzle.