



ISO 16122-4

**Agricultural and forestry
machinery — Inspection of sprayers
in use —**

**Part 4:
Fixed and semi-mobile sprayers**

Matériel agricole et forestier — Contrôle des pulvérisateurs en service —

Partie 4: Pulvérisateurs fixes et semi-mobiles

**Second edition
2024-12**

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This second edition cancels and replaces the first edition (ISO 16122-4:2015), which has been technically revised.

The main changes are as follows:

- removed errors and resolve contradictions to the ISO 16119 series which specifies environmental requirements for new sprayers;
- updated the normative references;
- modified the terms and definitions;
- modified requirements on filling high capacity spray-tanks during leak test;
- modified tank filling strainer/filling hole;
- modified tank emptying;
- modified pressure indicators;
- modified diameter analogue pressure indicators;
- modified maximum error flow-meters for controlling the volume/hectare rate;
- modified [Figure 1](#);
- modified dripping;
- modified spray guns and lances;

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A list of all parts in the ISO 16122 series can be found on the ISO website.

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There are two main reasons for the inspection of sprayers:

- reducing the potential risk of environmental contamination by plant protection products;
- good control of the pest with the minimum possible input of plant protection product.

In order to use plant protection products in agricultural production safely, it is necessary to define the requirements and test methods for sprayers in use. This is a relevant step after having standardized minimum requirements for new sprayers, in respect of safety hazards (see ISO 4254-6) and potential risks of environmental contamination (see ISO 16119 series).

Standardising the requirements and methods for inspection of sprayers in use takes into consideration not only the original performance of the sprayer but also its use, care and maintenance. This is a logical link to ensure the continued benefit arising from the supply of new sprayers of good quality.

The inspection of sprayers in use can be a mandatory requirement or adopted on a voluntary basis. In both cases further requirements, outside the scope of this document, are necessary for the management of inspections. These include, for example, requirements for the competence of persons carrying out inspections and the frequency of inspections.

The terms and definitions for specific sprayers are given in the relevant specific parts.

NOTE National or local regulations concerning the qualifications and competence of inspectors can apply.