
**Equipment for crop protection —
Spraying equipment —**

**Part 4:
Test methods for agitation of sprayer
tanks**

Matériel de protection des cultures — Matériel de pulvérisation —

*Partie 4: Méthodes d'essai du système d'agitation des cuves du
pulvérisateur*

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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This document was prepared by Technical Committee ISO/TC 23, *Tractors and machinery for agriculture and forestry*, Subcommittee SC 6, *Equipment for crop protection*.

A list of all parts in the ISO 5682 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Equipment for crop protection — Spraying equipment —

Part 4:

Test methods for agitation of sprayer tanks

1 Scope

This document specifies the method of testing the agitation system performance in spray tanks of sprayers for application of plant protection products and fertilizers. This document is not applicable for manually operated knapsack sprayers, aircraft, or UASS sprayers.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 5681, *Equipment for crop protection — Vocabulary*

ISO 5682-1:2017, *Equipment for crop protection — Spraying equipment — Part 1: Test methods for sprayer nozzles*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 5681 and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

3.1

sample concentration

concentration of a sample calculated by the ratio of the mass of the dried sample to the mass of the liquid suspension (dry material + water)

4 Test setup

4.1 Measuring equipment

4.1.1 General

Measuring equipment shall comply with ISO 5682-1:2017, Clause 4.

4.1.2 Scale for evaporator samples

The scales for weighing evaporator dish/jar samples before and after evaporation shall have a minimum range of 0 g to 100 g with a maximum error of 0,001 g.