
**Kmetijski in gozdarski stroji - Okoljevarstvene zahteve za škropilnice - 2. del:
Škropilnice za poljščine (ISO/DIS 16119-2:2026)**

Agricultural and forestry machinery - Environmental requirements for sprayers - Part 2:
Horizontal boom sprayers (ISO/DIS 16119-2:2026)

Land- und Forstmaschinen - Umweltanforderungen an Pflanzenschutzgeräte - Teil 2:
Feldspritzgeräte und vergleichbare Geräte (ISO/DIS 16119-2:2026)

Matériel agricole et forestier - Exigences environnementales pour les pulvérisateurs -
Partie 2: Pulvérisateurs à rampe horizontale (ISO/DIS 16119-2:2026)

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ICS:

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DRAFT International Standard

ISO/DIS 16119-2

Agricultural and forestry machinery — Environmental requirements for sprayers —

Part 2: Horizontal boom sprayers

*Matériel agricole et forestier — Exigences environnementales
pour les pulvérisateurs —*

Partie 2: Pulvérisateurs à rampe horizontale

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ISO/DIS 16119-2:2026(en)**Introduction**

The requirements of this part of EN ISO 16119 are based on the test methods given in ISO 5682-2:2017, which were primarily developed for hydraulic sprayers. For other types of sprayers, other test methods and/or test criteria may be needed and may be the subject of future investigation and a revision of this part of EN ISO 16119.

This document is a type C standard as stated in EN ISO 12100.

The machinery concerned and the extent to which hazards, hazardous situations and hazardous events are covered are indicated in the scope of this document.

When provisions of this type C standard are different from those which are stated in type A or B standards, the provisions of this type C standard take precedence over the provisions of the other standards, for machines that have been designed and built according to the provisions of this type C standard.

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Agricultural and forestry machinery — Environmental requirements for sprayers —

Part 2: Horizontal boom sprayers

1 Scope

This part of EN ISO 16119 specifies requirements and the means for their verification for the design and performance of horizontal boom sprayers, as defined in 3.1, with regard to minimizing the potential risk of environmental contamination during use, including misuse foreseeable by the manufacturer.

It is not applicable to human-mounted horizontal boom sprayers.

It is intended to be used with EN ISO 16119-1, which gives general requirements common to all the sprayer types covered by EN ISO 16119. When requirements of this part of EN ISO 16119 are different from those which are stated in EN ISO 16119-1, the requirements of this part of EN ISO 16119 take precedence over the requirements of EN ISO 16119-1 for machines within the scope of this part of EN ISO 16119. It does not cover safety aspects (see EN ISO 4254-6).

This part of EN ISO 16119 is not applicable to sprayers manufactured before the date of its publication.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 4102:1984, *Equipment for crop protection — Sprayers — Connection threading*

EN ISO 4254-6:2020, *Agricultural machinery — Safety — Part 6: Sprayers and liquid fertilizer distributors*

ISO 5681:2020, *Equipment for crop protection — Vocabulary*

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

ISO 5682-2:2017, *Equipment for crop protection — Spraying equipment — Part 2: Test methods to assess the horizontal transverse distribution for hydraulic sprayers*

ISO 5682-3:2017, *Equipment for crop protection — Spraying equipment — Part 3: Test method to assess the performance of volume/area adjustment systems*

ISO 5682-4:2021, *Equipment for crop protection — Spraying equipment — Part 4: Test methods for agitation of sprayer tanks*

ISO 9357:1990, *Equipment for crop protection — Agricultural sprayers — Tank nominal volume and filling hole diameter*

ISO 12809:2020, *Crop protection equipment — Reciprocating positive displacement pumps and centrifugal pumps — Test method*

ISO 13440:1996, *Equipment for crop protection — Agricultural sprayers — Determination of the volume of total residual*