
**Agricultural irrigation equipment —
Sprayers — General requirements and
test methods**

*Matériel agricole d'irrigation — Diffuseurs — Exigences générales et
méthodes d'essai*



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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.

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ISO 8026 was prepared by Technical Committee ISO/TC 23, *Tractors and machinery for agriculture and forestry*, Subcommittee SC 18, *Irrigation and drainage equipment and systems*.

This third edition cancels and replaces the second edition (ISO 8026:1995), which has been technically revised. It also incorporates the Amendment ISO 8026:1995/Amd.1:2000.

Agricultural irrigation equipment — Sprayers — General requirements and test methods

1 Scope

This International Standard specifies the general requirements and test methods for irrigation sprayers.

It is applicable to sprayers intended for installation on a pipe lateral and for operation with irrigation water.

2 Normative references

The following referenced documents are indispensable for the application 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 7-1, *Pipe threads where pressure-tight joints are made on the threads — Part 1: Dimensions, tolerances and designation*

ISO 15886-3:2004, *Agricultural irrigation equipment — Sprinklers — Part 3: Characterization of distribution and test methods*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

ambient temperature

temperature of the air surrounding a sprayer

3.2

collector

receptacle into which water is deposited during a water distribution test, a diameter of coverage test or a spray coverage pattern

3.3

diameter of coverage

distance between the most remote points at which a continuously operating sprayer deposits water at an effective application rate, measured along a straight line through the sprayer, equal numerically to twice the radius of throw

3.4

effective application rate

application rate greater than or equal to 0,26 mm/h for sprayers with flow rates exceeding 75 l/h and 0,13 mm/h for sprayers with flow rates equal to or less than 75 l/h