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## **Crop protection equipment — Drift classification of spraying equipment —**

Part 2:

### **Classification of field crop sprayers by field measurements**

*Matériel de protection des cultures — Classification de la dérive des  
matériels de pulvérisation —*

*Partie 2: Classification des pulvérisateurs à rampes par mesurage  
au champ*



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## Foreword

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International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 22369-2 was prepared by Technical Committee ISO/TC 23, *Tractors and machinery for agriculture and forestry*, Subcommittee SC 6, *Equipment for crop protection*.

ISO 22369 consists of the following parts, under the general title *Crop protection equipment — Drift classification of spraying equipment*:

- *Part 1: Classes*
- *Part 2: Classification of field crop sprayers by field measurements*

The following part is under preparation:

- *Part 3: Potential spray drift measurement for field crop sprayers by the use of a test bench*

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## Introduction

ISO 22369 (all parts) specifies the drift classification of spraying equipment. ISO 22369-1 defines the spray drift reduction classes. The other parts of ISO 22369 specify the test procedures and, therefore, ISO 22369-1 is intended to be used in combination with one of the other parts of ISO 22369.

Spray drift of plant protection products can contaminate non-target or sensitive areas, such as surface water hence minimum spray distances or buffer zones, are often specified. Using sprayers and/or sprayer parts, which reduce levels of spray drift, can enable these distances to be reduced. Drift classification procedures for sprayers and sprayer parts facilitate decision making by the farmer and can be of interest in defining best practice or for regulation/legislation.

Spray drift can occur as airborne drift and ground sedimentation of drift fallout. Classification in this part of ISO 22369 is based on the comparison of levels of ground sedimentation from spraying equipment (for example sprayers or parts of sprayers) with reference spraying systems based on the use of spraying equipment according to good agricultural practice for plant protection in different regions and crops. Spray drift deposition or collection is measured at different distances from the target area and the drift reducing performance of the spraying equipment is rated against a reference spraying system.

The object of ISO 22369 (all parts) is to provide uniform procedures for the determination of the drift reducing performance of spraying equipment.