
**Equipment for crop protection —
Sprayers — Demonstration track for field
crop sprayers**

*Matériel de protection des cultures — Pulvérisateurs — Piste de
démonstration pour les pulvérisateurs*



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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.

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 22763 was prepared by Technical Committee ISO/TC 23, *Tractors and machinery for agriculture and forestry*, Subcommittee SC 6, *Equipment for crop protection*.

This first edition of ISO 22763 cancels and replaces ISO/TS 22763:2002, of which it constitutes a technical revision.

Introduction

The movement of the spray boom is an important performance criterion for field crop sprayers. During practical demonstrations, the sprayers are driven on demonstration tracks to give the visual impression of the boom movement. The tracks used are very different.

This International Standard specifies a uniform track that can be used for practical demonstrations. As the intention is to show the boom movement visually, not to measure it, and due to the conditions under which practical demonstrations are normally performed, it gives the main characteristics — but not all details — required in, for example, laboratory measurements.

This demonstration track includes three individual sections which respectively

- represent field conditions (Section A), defined by evaluating real, rough field surfaces,
- show the headland situation (Section B), including an extreme obstacle (simulating, for example, a potato dam), and
- include a combination of obstacles (Section C) to show boom movement under very rough conditions exceeding normal/real conditions.

Section A, simulating field conditions, is based on detailed research. It has been proven that this track represents field conditions and excites a wider range of signals than previous demonstration tracks.

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Equipment for crop protection — Sprayers — Demonstration track for field crop sprayers

1 Scope

This International Standard specifies a uniform demonstration track for showing the spray boom movement of field crop sprayers in, for example, practical demonstrations. The track specified can be used in demonstrations for mounted, trailed or self-propelled sprayers.

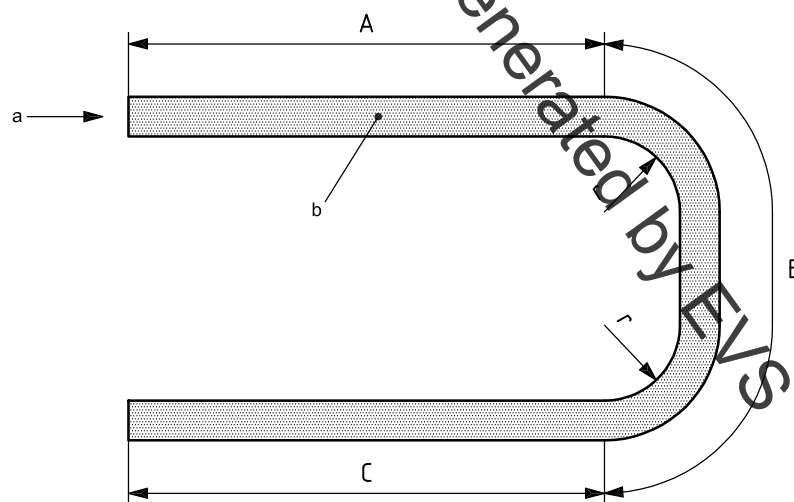
2 General

2.1 The demonstration track may consist of the following sections (see Figure 1):

- Section A, field track;
- Section B, headland turning track;
- Section C, bumpy track.

While Sections B and/or C are optional, the demonstration track shall include Section A.

2.2 National and local regulatory conditions and health and safety requirements for visitors and operators should be observed and followed.



Key

- | | | | |
|-----|------------------------|---|--------------------------|
| A | field track | a | Start/driving direction. |
| B | headland turning track | b | Acceleration zone. |
| C | bumpy track | | |
| r | radius | | |

Figure 1 — Demonstration track (Sections A, B and C) — Top view