

TAIMEKAITSESEADMED

Pritsimisseadmed

Osa 1: Pritsi pihustite katsemeetodid

Equipment for crop protection

Spraying equipment

Part 1: Test methods for sprayer nozzles

EESTI STANDARDI EESSÕNA**NATIONAL FOREWORD**

Käesolev Eesti standard EVS-ISO 5682-1:2002 "Taimekaitsevadmed. Pritsimisvadmed. Osa 1: Pritsi pihustite katsetusmeetodid" sisaldab rahvusvahelise standardi ISO 5682-1:1996 "Equipment for crop protection - Spraying equipment - Part 1: Test methods for sprayer nozzles" identset ingliskeelset teksti.	This Estonian Standard EVS-ISO 5682-1:2002 consists of the identical English text of the International Standard ISO 5682-1:1996 "Equipment for crop protection - Spraying equipment - Part 1: Test methods for sprayer nozzles".
Standardi avaldamise korraldas Eesti Standardikeskus.	Estonian standard is published by the Estonian Centre for Standardisation.
Standard EVS-ISO 5682-1:2002 on kinnitatud Eesti Standardikeskuse 20.09.2002 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teataja 2002. aasta oktoobrikuu numbris.	This standard is ratified with the order of Estonian Centre for Standardisation dated 20.09.2002 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from Estonian Centre for Standardisation.

Käsitlusala

Standardi ISO 5682 käesolev osa esitab üksikasjalikult (spetsifitseerib) meetodid hüdraulilise pihustamisega hüdropsipihustite täpsuse hindamiseks.

See kehtib ainult taimekaitseks ja väetamiseks kasutatavate põllumajanduslike ripp-, haake- ja liikurpritside hüdropsipihustite.

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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.

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.

International Standard ISO 5682-1 was prepared by Technical Committee ISO/TC 23, *Tractors and machinery for agriculture and forestry*, Subcommittee SC 6, *Equipment for crop protection*.

This second edition cancels and replaces the first edition (ISO 5682-1:1981), which has been technically revised.

ISO 5682 consists of the following parts, under the general title *Equipment for crop protection — Spraying equipment*:

- *Part 1 : Test methods for sprayer nozzles*
- *Part 2 : Test methods for hydraulic sprayers*
- *Part 3 : Test method for volume/hectare adjustment systems of agricultural hydraulic pressure sprayers*

Annex A forms an integral part of this part of ISO 5682. Annex B is for information only.

Equipment for crop protection — Spraying equipment —

Part 1:

Test methods for sprayer nozzles

1 Scope

This part of ISO 5682 specifies methods for estimating the accuracy of hydraulic sprayer nozzles for hydraulic spraying.

It applies only to hydraulic energy nozzles of mounted, towed and self-propelled agricultural sprayers used for crop protection and fertilization.

2 Normative reference

The following standard contains provisions which, through reference in this text, constitute provisions of this part of ISO 5682. At the time of publication, the edition indicated was valid. All standards are subject to revision, and parties to agreements based on this part of ISO 5682 are encouraged to investigate the possibility of applying the most recent edition of the standard indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 5681:1992, *Equipment for crop protection — Vocabulary*.

3 Definitions

For the purposes of this part of ISO 5682, the definitions given in ISO 5681 apply.

4 Test liquids

4.1 Clean water, free from solids in suspension.

4.2 Clean water with 20 g/l of micro grains of aluminium oxide (according to annex A), renewed after 50 passages.

4.3 Clean water with the addition, if necessary, of a soluble colouring agent, such as dark coloured aniline dye or a similar product. The surface tension of the mixture shall be (35 ± 5) mN/m at 20 °C and the agent and concentration necessary for achieving this shall be stated in the test report.