



**SLOVENSKI STANDARD**  
**oSIST prEN ISO 16122-1:2011**  
**01-september-2011**

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**Kmetijski in gozdarski stroji - Kontrola pršilnikov in škropilnikov tekočih gnojil v uporabi - 1. del: Splošno (ISO/DIS 16122-1:2011)**

Agricultural and forestry machinery - Inspection of sprayers and liquid fertilizer distributors in use - Part 1: General (ISO/DIS 16122-1:2011)

Land- und Forstmaschinen - Kontrolle von in Gebrauch befindlichen Pflanzenschutzgeräten zum Ausbringen von Pflanzenschutzmitteln und flüssigen Düngemitteln - Teil 1: Allgemeines (ISO/DIS 16122-1:2011)

Matériel agricole et forestier - Contrôle des pulvérisateurs et distributeurs d'engrais liquides en service - Partie 1: Généralités (ISO/DIS 16122-1:2011)

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**Ta slovenski standard je istoveten z: prEN ISO 16122-1**

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**ICS:**

65.060.40      Oprema za nego rastlin      Plant care equipment

**oSIST prEN ISO 16122-1:2011**

**en,fr,de**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**DRAFT**  
**prEN ISO 16122-1**

April 2011

ICS 65.060.40

English Version

**Agricultural and forestry machinery - Inspection of sprayers and  
liquid fertilizer distributors in use - Part 1: General (ISO/DIS  
16122-1:2011)**

Matériel agricole et forestier - Contrôle des pulvérisateurs  
et distributeurs d'engrais liquides en service - Partie 1:  
Généralités (ISO/DIS 16122-1:2011)

Land- und Forstmaschinen - Kontrolle von in Gebrauch  
befindlichen Pflanzenschutzgeräten zum Ausbringen von  
Pflanzenschutzmitteln und flüssigen Düngemitteln - Teil 1:  
Allgemeines (ISO/DIS 16122-1:2011)

This draft European Standard is submitted to CEN members for parallel enquiry. It has been drawn up by the Technical Committee CEN/TC 144.

If this draft becomes a European Standard, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

This draft European Standard was established by CEN in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

**Management Centre: Avenue Marnix 17, B-1000 Brussels**

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## Foreword

This document (prEN ISO 16122-1:2011) has been prepared by Technical Committee CEN/TC 144 "Tractors and machinery for agriculture and forestry", the secretariat of which is held by AFNOR, in collaboration with Technical Committee ISO/TC 23 "Tractors and machinery for agriculture and forestry".

This document is currently submitted to the parallel Enquiry.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

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## DRAFT INTERNATIONAL STANDARD ISO/DIS 16122-1

ISO/TC 23/SC 6

Secretariat: AFNOR

Voting begins on  
2011-04-19Voting terminates on  
2011-09-19

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

# Agricultural and forestry machinery — Inspection of sprayers and liquid fertilizer distributors in use —

## Part 1: General

*Matériel agricole et forestier — Contrôle des pulvérisateurs et distributeurs d'engrais liquides en service —  
Partie 1: Généralités*

ICS 65.060.40

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### ISO/CEN PARALLEL PROCESSING

This draft has been developed within the European Committee for Standardization (CEN), and processed under the **CEN-lead** mode of collaboration as defined in the Vienna Agreement.

This draft is hereby submitted to the ISO member bodies and to the CEN member bodies for a parallel five-month enquiry.

Should this draft be accepted, a final draft, established on the basis of comments received, will be submitted to a parallel two-month approval vote in ISO and formal vote in CEN.

**To expedite distribution, this document is circulated as received from the committee secretariat. ISO Central Secretariat work of editing and text composition will be undertaken at publication stage.**

**Pour accélérer la distribution, le présent document est distribué tel qu'il est parvenu du secrétariat du comité. Le travail de rédaction et de composition de texte sera effectué au Secrétariat central de l'ISO au stade de publication.**

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## ISO/DIS 16122-1

## 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 16122-1 was prepared by Technical Committee ISO/TC 23, *Tractors and machinery for agriculture and forestry*, Subcommittee SC 6, and by Technical Committee CEN/TC 144, *Tractors and machinery for agriculture and forestry* in collaboration.

ISO 16122 consists of the following parts, under the general title *Agricultural and forestry machines — Inspection of sprayers and liquid fertilizer distributors in use*:

- *Part 1: General* [oSIST prEN ISO 16122-1:2011](https://standards.iteh.ai/catalog/standards/sist/18bf5217-5517-4921-a8ac-91a1008943d2/osist-pr-en-iso-16122-1-2011)
- *Part 2: Horizontal boom sprayers and similar*
- *Part 3: Sprayers for bushes and tree crops and similar.*

Fixed and semi-mobile sprayers are to form the subject of a future Part 4.

## Introduction

There are two main reasons for the inspection:

- less potential risk of environmental contamination by crop protection products;
- good control of the pest with the minimum possible input of crop protection product.

In order to use crop protection products in agricultural production safely, it is necessary to define the requirements and test methods for sprayers in use. This is a relevant step after having standardized the requirements for new equipment, in respect of safety hazards (see ISO 4254-6) and potential risks of environmental contamination (see ISO 16119 Parts 1 to 3<sup>1)</sup>).

Standardising the requirements and methods for inspection of sprayers in use, takes into consideration not only the original performance of the spraying equipment, but also its use, care and maintenance. This is the logical link between new equipment of good quality and well educated and concerned users.

The inspection of sprayers in use can be done on a voluntary or mandatory basis. In both cases further official or legal specifications are necessary, e.g. on the execution management of the inspection, which organizations are authorized to carry out the inspection, time intervals between inspections etc. As the specifications of this International Standard are based on ISO 4254-6 and ISO 16119, it may be the case that sprayers in use which were produced before ISO 4254-6 and ISO 16119 were published do not fulfil all specifications given in this International Standard.

During recent years, several countries have developed systems for inspection of sprayers in use. Developments in this direction have been stimulated by public concern about risks, and the aim of reducing the use of crop protection products.

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1) Under preparation.