



**SLOVENSKI STANDARD
SIST EN ISO 19932-2:2013**

01-september-2013

Oprema za zaščito poljščin - Nahrbtni škropilniki - 2. del: Preskusne metode (ISO 19932-2:2013)

Equipment for crop protection - Knapsack sprayers - Part 2: Test methods (ISO 19932-2:2013)

Pflanzenschutzgeräte - Tragbare Geräte - Teil 2: Leistungsmerkmale (ISO 19932-2:2013)

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Matériel de protection des cultures - Pulvérisateurs à dos - Partie 2: Méthodes d'essai (ISO 19932-2:2013)

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65.060.40 Oprema za nego rastlin Plant care equipment

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 19932-2

June 2013

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English Version

Equipment for crop protection - Knapsack sprayers - Part 2: Test methods (ISO 19932-2:2013)

Matériel de protection des cultures - Pulvérisateurs à dos -
Partie 2: Méthodes d'essai (ISO 19932-2:2013)

Pflanzenschutzgeräte - Tragbare Geräte - Teil 2:
Prüfverfahren (ISO 19932-2:2013)

This European Standard was approved by CEN on 8 May 2013.

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. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists 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.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.

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

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Foreword

This document (EN ISO 19932-2:2013) has been prepared by Technical Committee ISO/TC 23 "Tractors and machinery for agriculture and forestry" in collaboration with Technical Committee CEN/TC 144 "Tractors and machinery for agriculture and forestry" the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by December 2013, and conflicting national standards shall be withdrawn at the latest by December 2013.

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

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.

For relationship with EU Directive, see informative Annex ZA, which is an integral part of this document.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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The text of ISO 19932-2:2013 has been approved by CEN as EN ISO 19932-2:2013 without any modification.

Annex ZA (informative)

Relationship between this European Standard and the Essential Requirements of EU Directive 2006/42/EC on machinery and Directive 2009/127/EC amending Directive 2006/42/EC with regard to machinery for pesticide application

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association to provide one means of conforming to Essential Requirements of the New Approach Directive 2006/42/EC on machinery and Directive 2009/127/EC amending Directive 2006/42/EC with regard to machinery for pesticide application.

Once this standard is cited in the Official Journal of the European Union under that Directive and has been implemented as a national standard in at least one Member State, compliance with the normative clauses of this standard confers, within the limits of the scope of this standard, a presumption of conformity with the relevant Essential Requirements of Directives 2006/42/EC and 2009/127/EC and associated EFTA regulations.

NOTE The main function of ISO 19932-2 is to provide test procedures for the verification of the requirements of ISO 19932-1. Compliance with ISO 19932-1 and ISO 19932-2 is necessary to achieve presumption of conformity with the Essential Requirements of Directive 2006/42/EC and Directive 2009/127/EC and associated EFTA regulations.

WARNING — Other requirements and other EU Directives may be applicable to the product(s) falling within the scope of this standard.

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INTERNATIONAL
STANDARD

ISO
19932-2

Second edition
2013-06-01

Equipment for crop protection —
Knapsack sprayers —

Part 2:
Test methods

Matériel de protection des cultures — Pulvérisateurs à dos —

Partie 2: Méthodes d'essai
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ISO 19932-2:2013(E)

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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2. www.iso.org/directives

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received. www.iso.org/patents

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

The committee responsible for this document is ISO/TC 23, *Tractors and machinery for agriculture and forestry*, Subcommittee SC 6, *Equipment for crop protection*.

This second edition of ISO 19932-2, together with ISO 19932-1, cancels and replaces ISO 19932-1:2006 and ISO 19932-2:2006, which have been technically revised.

ISO 19932 consists of the following parts, under the general title *Equipment for crop protection — Knapsack sprayers*:

- *Part 1: Safety and environmental requirements*
- *Part 2: Test methods*

Introduction

The application of plant protection products with knapsack sprayers should take into consideration biological, economic, environmental and operator issues.

The aim of this part of ISO 19932 is to specify test methods for the verification of requirements for equipment to ensure safe use and protect the environment.

Implementation of parts 1 and 2 of ISO 19932 should achieve an appropriate level of operator safety and avoid unnecessary dispersal of plant protection products into the environment.

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