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Equipment for crop protection — Knapsack sprayers —

Part 1: Safety and environmental requirements

*Matériel de protection des cultures — Pulvérisateurs à dos —
Partie 1: Exigences environnementales et de sécurité*



Reference number
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Contents

	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 General requirements	2
4.1 General	2
4.2 Harness	4
4.3 Spray tank	4
4.4 Controls	5
4.5 Hoses	6
4.6 Filters	6
4.7 Spray lance and nozzles	6
5 Specific requirements for lever-operated knapsack sprayers	7
5.1 General	7
5.2 Spray tank	7
6 Specific requirements for engine- or motor-driven knapsack sprayers	8
6.1 General	8
6.2 Spray tank	8
6.3 Controls	8
6.4 Power-driven components	9
6.5 Fuel tank	9
6.6 Hot parts	9
6.7 Exhaust system	10
6.8 Parts under high voltage	10
6.9 Electromagnetic immunity	10
6.10 Noise	10
6.11 Vibration	10
7 Specific requirements for compression sprayers	11
7.1 General	11
7.2 Harness	11
7.3 Spray tank	11
8 Information for use	12
8.1 Instruction handbook	12
8.2 Marking	14
8.3 Warnings	15
Annex A (informative) List of significant hazards	16
Bibliography	17

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

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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 19932-1, together with ISO 19932-2, cancels and replaces ISO 19932-1:2006 and ISO 19932-2:2006.

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*

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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 safety and environmental requirements for equipment.

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

- This document is a type-C standard as stated in ISO 12100.
- The machinery concerned and the extent to which hazards, hazardous situations or hazardous events are covered are indicated in the scope of this document.

When requirements of this type-C standard are different from those which are stated in type-A or type-B standards, the requirements of this type-C standard take precedence over the requirements of the other standards for machines that have been designed and built according to the requirements of this type-C standard.