
Equipment for crop protection — Vocabulary

Matériel de protection des cultures — Vocabulaire

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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.

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 (see 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 (see 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.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html.

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

This third edition cancels and replaces the second edition (ISO 5681:1992), which has been technically revised.

The main changes compared to the previous edition are as follows:

- review and addition of new terms and definitions, in line with new International Standards published and developed by ISO/TC 23/SC 6.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Equipment for crop protection — Vocabulary

1 Scope

This document defines terms commonly used in relation to equipment for applying plant protection products for crop protection.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

3.1 General terms

3.1.1

plant protection product **PPP**

any substance or micro-organism, including a virus, or a mixture or solution composed of two or more of them, prepared in the form in which it is supplied to the user intended: to protect plants or plant products against harmful organisms or prevent the action of such organisms, influence the life processes of plants other than as a nutrient, preserve plant products, destroy undesired plants or parts of plants, or check or prevent the undesired growth of plants

3.1.2

plant protection product container

collective name for *plant protection product* (3.1.1) packaging such as cans, bottles, bags, sacks or boxes

3.1.3

formulated product

plant protection product (3.1.1) as purchased by users

3.1.4

ready-to-use formulated product

RTU formulated product

formulated product (3.1.3) that does not require dilution

3.1.5

active ingredient

substance with primary biological activity for specified uses

3.1.6

carrier

diluent

substance used to dilute the *active ingredient* (3.1.5) to aid in metering and delivery

3.1.7

treatment

operation of applying *plant protection products* (3.1.1) to produce a biological effect

3.1.8

overall treatment

treatment (3.1.7) carried out over the entire area of a crop or field

3.1.9

localised treatment

treatment (3.1.7) carried out over part of a crop or field, generally in bands or spots

3.1.10

treated area

sprayed area

area to which the *treatment* (3.1.7) is intended

3.1.11

spray target

specific pest, part of the plant, or surface to which the *treatment* (3.1.7) is intended

3.1.12

liquid flow

liquid flow rate

volume of liquid flowing through an appliance or device per unit of time

3.1.13

liquid output

volume of liquid discharged by an appliance or device per unit of time

3.1.14

air flow

air flow rate

volume of air flowing through an appliance or device per unit of time

3.1.15

air output

volume of air discharged by an appliance or device per unit of time

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3.1.16

application equipment

device or assembly of components to mix and apply *plant protection products* (3.1.1) and other compatible chemicals, including fertilisers, to the target

3.2 Equipment for spraying

3.2.1 Basic definitions

3.2.1.1

spraying

division and emission into the air of a *spray liquid* (3.2.1.4) by atomisation into the form of droplets

3.2.1.2

spray

droplets produced by a *nozzle/atomiser* (3.2.3.1)

3.2.1.3

sprayer

spray system

machines/appliances for application of *plant protection products* (3.1.1) and liquid fertiliser