INTERNATIONAL STANDARD

ISO 10625

Third edition
2018-08

Equipment for crop protection — Sprayer nozzles — Colour coding for identification

Matériel de protection des cultures — Buses de pulvérisation — Code couleur pour l'identification

Reference number
ISO 10625:2018(E)

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ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Fax: +41 22 749 09 47
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

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Foreword

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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).

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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 10625:2005), which has been technically revised.

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

— updating of Clause 5 for 11 new models (at 300 kPa):
  — 4,8 l/min 12 capacity;
  — 5,6 l/min 14 capacity;
  — 6,4 l/min 16 capacity;
  — 7,2 l/min 18 capacity;
  — 8,0 l/min 20 capacity;
  — 10 l/min 25 capacity;
  — 12 l/min 30 capacity;
  — 16 l/min 40 capacity;
  — 20 l/min 50 capacity;
  — 24 l/min 60 capacity;
  — 32 l/min 80 capacity;
— changing of colour for 1,4 l/min 035 capacity from brown red RAL 3011 to purple red 3004-P;

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— separation of the table defining the colour code into 2 separate tables, one for high flow rate's nozzles (over 8 l/min) and one for low flow rate's nozzles (under 7,9 l/min).

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.

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Equipment for crop protection — Sprayer nozzles — Colour coding for identification

IMPORTANT — The colours represented in the electronic file of this document can be neither viewed on screen nor printed as true representations.

1 Scope

This document specifies the system of colour coding for flow rate identification of nozzles used on sprayers.

It is applicable to hydraulic energy nozzles such as flat and cone nozzles used for the application of crop protection products.

This document is not applicable to adjustable nozzles.

It allows for flow recognition on small parts in order to avoid any confusion under normal conditions of use.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 5681, *Equipment for crop protection — Vocabulary*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 5681 apply.

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/

4 Requirements

Sprayer nozzles shall be colour-coded according to Clause 5. If nozzles are made of plastics, the material shall be uniformly coloured throughout.

5 Nozzle colour code

The colour of the nozzle shall be that specified in Table 1 and Table 2, on the basis of the nozzle's flow rate at a working pressure of 300 kPa[1)].

To limit the number of colours used, the colours for low flow rate nozzles are also used for high flow rate nozzles (over 8 l/min).

The colours for low flow rate nozzles are presented in Table 1.

1) This value corresponds to the value used for tests specified in ISO 5682-1.

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