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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 24682.2-2015

**Crop protection equipment -- Drift classification of spraying
equipment -- Part 2: Classification of field crop sprayers by field
measurements**

植物保护机械 喷雾机飘移量分级 第2部分：田间测定大田作物喷雾机的分级
(English Translation)

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Foreword

GB/T 24682 "Plant Protection Sprayers drift amount classification" is divided into two parts.

--- Part 1. Classification;

--- Part 2. Field measurements grade field crop sprayer.

This is Part 2 GB/T 24682 of.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This section uses the translation method identical with ISO 22369-2:2010 "Plant Protection Sprayers drift amount classification - Part 2. Field Measured between grade field crop sprayers. " Consistency correspondence between this part of international documents and normative references of our files are as follows.

--- GB/T 24681-2009 plant protection field machinery spray drift measurement methods (ISO 22866:2005, IDT)

--- GB/T 24682.1-2009 Plant Protection Sprayers drift amount classification - Part 1. Classification (ISO 22369-1. 2006, IDT)

This part is proposed by China Machinery Industry Federation.

This part of the National Standardization Technical Committee (SAC/TC201) Agricultural machinery centralized.

This section drafted by. Chinese Academy of Agricultural Mechanization Sciences, Modern Agricultural Equipment Technology Co., Ltd., China Agricultural University, Jiangsu Science, Ministry of Agriculture, Nanjing Institute of Agricultural Mechanization.

Introduction

Spray plant protection machinery produced by drift will cause pollution of water and other non-target face and sensitive areas. Thus, in general we need to provide the most Small spray distance or isolated areas. The use of drift reducing spray or spray member can reduce contaminated area. Establish sprayer and spray Parts fog drift classification norms can promote the farmers to make a choice, it may be beneficial to determine the optimum spraying or related legislation.

Including aerial spray drift spray drift and sedimentation drift to the ground. Classification based spray drift spray equipment (eg sprayer Comparison between the parts or spray) and the reference spray system. Reference spray system is based on using a spray device in accordance with different regions and crops Good agronomic procedures carried out spraying operations. The deposition amount of the collected amount or spray drift away from the target at different distances measured drift of anti-spray devices Evaluation of energy are relative to the reference spray system.

The objective of this standard is to provide a unified procedure to determine the anti-drift spray equipment performance.

Plant Protection Sprayers drift amount grading Part 2. Field measurements grade field crop sprayer

1 Scope

This section GB/T 24682 in accordance with the provisions of the ISO 22866 were floating field crop sprayer drift field measurements of the amount of accumulated time Shift classification procedures, including test methods and evaluation criteria required. This section is also used to determine the provisions of ISO 22369-1 spray anti-floating rate classification.

This section by comparison with a reference to determine the anti-drift spray system performance field crop sprayer, and accordingly into the field crop sprayers Yukisada etc. (classification). Application of this section to provide advisory services for farmers, product development, legal certification and grading scheme.

This part used in conjunction with ISO 22369-1.

This section applies to suspended, towed and self-propelled field crop sprayers.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

ISO 22369-1 Plant Protection Sprayers drift amount classification - Part 1. Classification
(Crop protection equipment-Drift classification of spraying equipment-Part 1. Classes) ISO
22866 Equipment for crop protection spray drift field measurements
(Equipment for crop protection-Methods for field measurement of spray drift)

3 Terms and Definitions

ISO 22866 and ISO 22369-1 define the following terms and definitions apply to this document.

Zone 1 zone1

1m ~ 5m area

Disadvantage to, directly adjacent to the spray area, away from direct spray zone area 1m ~ 5m range. see picture 1.

Zone 2 to 10 area zone2tozone10 Up to 45m ~ 50m area from 5m ~ 10m area

Disadvantage to, from direct spray area farther away from direct spray zone 5m ~ 50m gap width in the range of a group of area 5m.

see picture 1.

Area 11 zone11

Disadvantage to, for evaluating the drift from zone 1 to zone 10 or more a particular region, or the entire region composed from direct spray Regional fog area of 1m ~ 50m. Figure 1 is an example of the 11th district of 1m ~ 50m.