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

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**Equipment for crop protection -- Sprayers -- Demonstration
track for field crop sprayers**

植物保护机械 喷雾机 大田作物喷雾机用试验跑道

(English Translation)

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Foreword

This standard is identical with ISO 22763:2006 "Plant Protection Sprayers field crop sprayer with a test track" (English Chinese Version).

This standard is equivalent to translate ISO 22763:2006.

For ease of use, this standard made the following editorial changes.

--- "This International Standard" by "this standard";

--- Deleted international standards foreword;

--- With a decimal point "." As an alternative to the decimal point "." Appendix A of this standard is a normative appendix.

The standard proposed by China Machinery Industry Federation.

This standard by the National Standardization Technical Committee (SAC/TC201)
Agricultural machinery centralized.

This standard was drafted. Ministry of Agriculture, Nanjing Agricultural Mechanization Institute, Chinese Academy of Agricultural Mechanization Sciences, Shandong Huasheng Zhongtian Group Limited.

Introduction

Sprayer boom movement is an important performance evaluation of field crop sprayers. On different test track by spraying machine Traveling to give a visual impression boom movement.

This standard specifies the runway can be used for the actual test. The aim is to spray under normal working state a true reflection of the boom operation Move, obtained by testing the main characteristics of the boom movement, rather than laboratory measured during the test are given full details of the request.

Test track contains the following three separate sections.

--- Show actual field conditions (A zone), should be consistent with the real, rough ground conditions require;

--- Ridge for display cases and the like (B section), including an end face of obstacles (such as planting potatoes from the ridge);

--- Obstacle combination (C section) to show up in the conventional or the real situation is very rough underfoot conditions lance movement.

A section to simulate actual field conditions, is the basis for carrying out a detailed investigation determined. The track segment has been verified to represent field the actual situation, and to stimulate wider than the previous test track signal range.

Plant Protection Sprayers Field crop sprayer with a test track

1 Scope

This standard specifies the test track for field crop sprayer boom demonstration sports (eg the actual test time) of.

This standard applies to specified runway suspended, towed and self-propelled sprayer tests.

2 General requirements

2.1

by the following test track segment on (see Figure 1).

--- A section, field ground track;

--- B section, a raised obstacle turning the runway;

--- C segment, rugged runways.

A section of the test track is necessary, B, C zone runway is optional.

A --- Field runway surface;

B --- have raised obstacles turning the runway;

C --- rugged runways;

a --- start/direction of travel;

b --- accelerating area;

r --- radius.

Figure 1 test track (A, B, C section) a top view ---

2.2

Test should respect and implement national and local laws and regulations, and to ensure the safety and health of the operator and the audience.

2.3

test track should be met. each sprayer can be in the same condition freely through the runway. Over the entire length of the test track it should be hard and firm. 2.5 to 2.8 when tested according to the test block, raised obstacles and the ground should be able to withstand the sprayer or tractor - spray Fog machine unit load without deformation or displacement, and should maintain its shape and height or depth requirements.

2.4

over the entire width of the spray bar, test track on the ground should be uniform.

2.5

should provide for a period long enough for the region to accelerate the tractor or sprayer, its length should be consistent with commonly used speed requirements (see 2.9 and 2.10), in order to ensure sprayer has a certain speed when the runway starting position.

2.6

All sprayers should be set the same runway, the same height of the boom, boom with automatic leveling device placed in the open or closed position, medicine Liquid tank with liquid containing 50%, unless the above presentation needs to change.