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

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**Agricultural machinery -- Manure spreaders -- Environmental
protection -- Requirements and test methods**

农业机械 厩肥撒施机 环保要求和试验方法

(English Translation)

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Foreword

This is equivalent to using the standard EN13080:2002 "Agricultural machinery manure applicator environmental requirements and test methods" (in English).

This standard is equivalent translation EN13080:2002, for ease of use, this standard made the following editorial changes.

- "This European standard" be replaced by "this standard";
- Increased our standard foreword;
- Remove the EN13080:2002 Introduction;
- With a decimal point "." Instead of a comma as the decimal point "." Appendix A of this standard is a normative appendix, Appendix B is an informative annex.

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. Chinese Academy of Agricultural Mechanization Sciences, Gansu Agricultural machinery identification station, Modern Agricultural Equipment Technology Co. Shares the company.

Introduction

This standard specifies the manure fertilizer applicator uniform performance requirements and evaluation, testing and test methods.

When the methods and requirements specified in this standard is intended to ensure that the operator by the use of manual operation, the user can.

- Required to control fertilizer;
- Uniformly distributed fertilizer;

--- Prevent environmental pollution, reduction of fertilizer applied to the external environment, such as. Unintentional fertilizer applicator to the outer region of the target.

Fertiliser type variety, fertilizing to reduce the required number of machine being tested, should choose the right machine configuration tested.

Agricultural machinery manure applicator Environmental protection requirements and test methods

1 Scope

This standard specifies the agricultural and horticultural manure applicator design, structure, requirements and test methods. The purpose of this standard is to reduce the pair of rings Destruction of the environment.

This standard specifies the horizontal and vertical manure fertilizer applicator performance requirements, such as. working width, fertilizer characteristics, feature amounts of fertilizer, allow Error range, coefficient of variation of the longitudinal fertilization.

This standard specifies the test fertilizers Table A.1.

This standard does not apply to tape or Slurry manure applicator.

This standard does not specify the physical security requirements. Relevant aspects required by the GB 10395.3 forestry machinery Safety Part 3 " Score. manure applicator "requirement.

2 Terms and Definitions

The following terms and definitions apply to this standard.

Manure applicator manurespreader for transporting manure to the field of machine and applicator.

Belt manure applicator manureband-spreader the separator-free fertilizer applicator interval into a strip of manure applicator.

Slurry applicator sludgespreader Slurry for transport to the field of machine and applicator.

Working width Two adjacent travel fertilization center.

Applicator width throwingwidth Fertilizer applicator rightmost to the leftmost lateral distance.

Sprinkle fertilizer massofmanurespread is within 5s fertilizer displacement of less than 1kg/s or in the 10s of fertilizer is less than 10kg, began to experiment with the end of the period of fertilizer spreading Application Amount.

Time of fertilizer unloadingtime Time 95% of the required quality manure spreaders initial discharge.

Characteristics of displacement characteristic flow the average amount of fertilizer in a specific period of time of fertilization calculation.