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

GB 26509-2011

**Garden machinery - Pedestrian-controlled lawnmower with a
petrol (diesel) engine - Safety requirements and testing
methods**

园林机械 以汽（柴）油机为动力的步进式草坪割草机 安全技术要求和试验方法

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Foreword

All technical contents of this standard is mandatory. This standard was drafted in accordance with rules GB/T 1.1-2009 given. The standard proposed by the State Forestry Administration. National Forestry Machinery Standardization Technical Committee (SAC/TC61) centralized. This standard is drafted. Ningbo Daye Power Machinery Co., Ltd. It participated in the drafting of this standard. Jinjiang City of Fujian Province Motorcycle Co., Ltd., Shandong Huasheng Pesticide Machinery Co., Ltd., Nantong days An outdoor Machinery Co., Ltd. The main drafters. Shi Jie Fan, Wu Zhiqiang, Xu Feng, Zhang Buming, Liuqing Guo, Li Zongxi, Guo Li, Zhao Zhong Cai, Liu Feng.

This standard mandating only dangerous items belonging to the vibration and noise emissions harmful data specified in the specification should be Marked data and list of test methods and harm reduction prompted, not listed restriction data. This standard does not relate to the problem of electromagnetic compatibility. Garden machinery to steam (diesel) engine-driven stepping Lawn mower safety requirements and test methods

1 Scope

GB 26509-2011 is the Chinese national standard on garden machinery - pedestrian-controlled lawnmower with a petrol (diesel) engine - safety requirements and testing methods, in the field of agriculture. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 12 May 2011 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 April 2012. Classification: ICS 65.060.70, CCS B91. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies a vapor (diesel) engine-driven lawn mower step (hereinafter referred to as lawn) terms and definitions, safety TECHNOLOGY Operation requirements and test methods used in the specification and identity. Some major hazards covered by this standard should eliminate or reduce harmful levels are listed in Appendix A. This standard is also applicable to other internal combustion engine powered lawn corresponding components stepper machine, also suitable for addition by drag by Annex I Lawn machines. This standard does not mount type lawn mower, the cutting member does not apply to non-metallic flex or non-metal free-centering cutter, each A cutting member cutting energy (kinetic energy) of not more than 10J mower.

2 Normative references

The following documents for the application of this document is essential. For dated references, only applies to the version dated paper Pieces. For undated references, the latest edition (including any amendments) applies to this document. Engineering method of noise sources sound power level a reflecting plane free field

GB/T 3767-1996 sound pressure

GB/T 4269.1 machinery and agricultural and forestry tractors, lawn and garden equipment operator controls and other displays character No. 1. Common symbols

GB/T 4269.2 machinery and agricultural and forestry tractors, lawn and garden equipment operator controls and other displays character No. Part 2. Symbols for agricultural tractors and machines

GB/T 4269.3 machinery and agricultural and forestry tractors, lawn and garden equipment operator controls and other displays character No. Part 3. powered lawn and garden machinery symbols

GB/T 5395-2008 forestry machinery vibration measurement portable power mechanical vibration handle specification

GB/T 9480 agricultural and forestry tractors and machinery to write rules, powered lawn and garden machinery manual

GB 10396 agricultural and forestry tractors and machinery, lawn and garden equipment - Safety signs and hazard pictorials - General principles

GB/T 15706.1 Safety of machinery basic concepts general principles for design - Part 1. Basic terminology and methods

GB/T 15706.2 Safety of machinery basic concepts and general principles for design Part 2. Technical Principles

GB/T 17248.2-1999 for machinery and equipment noise emitted operative position and the other specified emission sound pressure levels Free Field Engineering measuring method of a reflecting plane

GB/T 17958 handheld mechanical work required antivibration

GB/T 20247 acoustical reverberation room absorption measurement

GB 23821-2009 Safety of machinery - Safety distances to prevent danger zones being reached on the lower limbs LY/T 1570 powered lawn and garden machinery control symbols and safety signs EN

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 Stepping lawn pedestrian-controlled powered lawn mower Controlled by the operator while walking powered lawn mowing machine. Generally divided into the implementation of the hand or hand-style self-driving travel type. Usually by the operator By controlling the back mower.

3.2 Horse lawn machine ride-on lawn mower By an operator mounts operation, mainly used for cutting lawn motorized self-propelled lawn mower travels formula.

3.3 Rotary mower knife rotary lawn mower By a cutting plane perpendicular to the axis of rotation of the mowing blade driven to realize the function of driving power lawn mowing.

3.4 Hob lawn cylinder (reel) lawn mower A parallel to the cutting plane of the mowing tool drive shaft rotation, mowing implement functions of power driven lawn mowers.

3.5 Straw mulching lawn machine mulching lawn mower No grass discharge port of the rotary table knife mower housing.

3.6 Air cushion mower hover lawn mower High-speed air flow is formed between the bottom cushion mower and ground, and as a motor mower support.

3.7 Tool articulated jack-knifing The cutter blade and the cutter with a hinged coupling. The blade can be extended by the centrifugal force, the blades encounter a hard obstacle can automatically return to Retreat. It is a form of the knife.

3.8 Mowing blade cutting means Mowing function to provide a mechanical structure, composed of one or more blades and other structural parts.

3.9 Taiwan shell cutting means enclosure Tool peripheral protective device can withstand the weight of the other components in the knife mower.

3.10 Cutting position cutting positions A mowing blade which when mowing position, the height of mowing can be varied by adjusting the position of the mowing blade.

3.11 Cutting width cutting width Perpendicular to the traveling direction of lawn mower, a mowing blade width can be cut.

3.12 Lysimachia mouth discharge opening Grass clippings discharge opening to the table housing.

3.13 Lysimachia channel discharge chute The extended portion of the grass on the opening stage housing. Usually for guiding cut grass mown by the mowing blade.

4.1.1 Requirements

4.1.1.1 In addition to self-propelled mowing blade member and the traveling lawn contact