

ICS 65.060.20

CCS B91



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

GB/T 25422-2010

Subsoiling plow for grassland

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Issued on: November 10, 2010

Implemented on: March 1, 2011

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China;
Standardization Administration of China**

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Foreword

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 Branch of Hohhot, the State Quality Supervision and Inspection Center of farm machinery. The main drafters of this standard. Mr. Yang, Liu Lizhen, Sun Jiamin. Grassland latent pine plow

1 Scope

GB/T 25422-2010 is the Chinese national standard on subsoiling plow for grassland, in the field of agriculture. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 10 November 2010 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 March 2011. Classification: ICS 65.060.20, 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 the grass latent pine plow (hereinafter referred to as latent pine plow) technical requirements, test methods, inspection rules, marking, packaging and storage. This standard applies to conduct on the grass mattress does not turn loose soil, root cutting loose plow other items of latent job.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 699-1999 quality carbon structural steel

GB/T 5667 Test Method for the production of agricultural machinery

GB 10395.1 agriculture and forestry machinery - Safety - Part 1. General (GB 10395.1-2009, ISO 4254-1.2008, MOD)

GB 10396 agricultural and forestry tractors and machinery, lawn and garden equipment - Safety signs and hazard pictorials - General principles (GB 10396- 2006, ISO 11684.1995, MOD) GB/T 13306 signs

JB/T 5673 agricultural and forestry tractors and machinery paint general technical conditions

JB/T 9700 Forage Harvester General test method

3.1 General technical requirements

3.1.1 latent pine plow shall conform to the requirements of the standard, in accordance with prescribed procedures approved manufacturing drawings and technical documents.

3.1.2 The raw materials shall comply with the relevant standards, and after passing inspection before use.

3.1.3 All parts and components shall have passed the test, purchased parts should be product certification before assembly.

3.1.4 seam welded should be uniform, smooth, firm, does not allow Weld, weld, cracks, slag and other defects.

3.1.5 There should be cast iron strength and appearance quality of the air hole, shrinkage cracks slag and other casting defects and influence.

3.2 Key performance indicators

3.2.1 tillage depth should be 10cm ~ 15cm.

3.2.2 Rippers ratio should not be less than 45%.

3.2.3 vegetation damage rate should not exceed 30%.

3.2.4 first time between failures not less than 400h.

3.3.1 Plowshare Plowshare size and model curve

3.3.1.1 shall meet the requirements of Figure 1, the edge profile error not greater than 3mm. Plowshare manufacturing materials

3.3.1.2 Application GB/T 699-1999 in the mechanical properties of 65Mn steel or of not less than 65Mn steel.

3.3.1.3 Plowshare heat treatment zone hardness of 45HRC ~ 55HRC, hardness of the non-heat treated area should not exceed 32HRC. Heat treatment zone and Hardness pilot in Figure 2.

3.3.1.4 Plowshare work surface without cracks, punch, and other defects from the floor.