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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB 19175-2010

Replacing GB 19175-2003

Peach nursery plants

桃苗木

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Foreword

All the technical contents of this standard is mandatory. The revised standard and replaces GB 19175-2003 "Peach seedlings" in accordance with relevant provisions of the "People's Republic of China Seed Law". This standard compared with GB 19175-2003, the main changes are as follows:

--- Revised terms and definitions;

--- Revised the quality requirements;

--- Revised test methods;

--- Revised inspection rules. The standard proposed by the People's Republic of China Ministry of Agriculture. This standard by the National Standardization Technical Committee crop seeds. This standard was drafted. Zhengzhou Fruit Research Institute, Chinese Academy of Agricultural Sciences, Institute of Horticulture, Jiangsu Academy of Agricultural Sciences, Beijing Agriculture and Forestry School of Forestry Fruit Research Institute. The main drafters of this standard. Wang Lirong, more Zhu Rui, Yu Mingliang, Marui Juan, JIANG Quan, Fang Wei Chao, Guoji Ying. This standard replaces the standards previously issued as follows:

--- GB 19175-2003. Peach seedlings

1 Scope

GB 19175-2010 is the Chinese national standard on peach nursery plants, 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 14 January 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 January 2012. Classification: ICS 65.020.20, CCS B61. 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 Prunus species (PrunusL.) Peach subgenus (AmygdalusL.) Plant seedling roots, nutrition grafting peach seedlings a year, Two years seedlings and shoots of quality requirements, test methods, inspection rules and the lifter, packing requirements. This standard applies to the territory of People's Republic of China production and sales of peach seedlings.

1.0 Stem tilt/(°) <=

15.0 The root bark and bark and no shrinkage new wrinkle skin lesions, the total lesion area <=1.0cm2 old Scale insects and pests without branches gummosis Number of full buds plastic band/month >=10 >=

8 Joint degree heal healing well Pile dealing with the degree of healing anvil anvil pile cut off completely healed or healing ring notches

4.1.3 sprouts Shoots quality requirements in Table 3. table

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 9847 apple seedlings

GB 20464 General labeling of agricultural seeds

3 Terms and Definitions

The following terms and definitions apply to this standard.

3.1 Seedling roots seedlingrootstock Seed breeding stock. NOTE. seedling roots include common Peach [Prunuspersica (L.) Batsch], Mountain Peach [Prunusdavidiana (Carr.) Franch], Gansu peach (Prunus kansuensisRehd.), Xinjiang peach (PrunusferganensisKost.etRiab.) and light walnut (PrunusmiraKoehne) rootstock, which ordinary Peach rootstock type or variety of wild rootstock.

3.2 Nutrition anvil clonerootstock Produced by vegetative propagation of rootstocks.

3.3 Lateral lateralroot The roots grow directly from the seedling roots and nutrition anvil taproot.

3.4 Lateral roughness diameteroflateralroot Lateral root diameter at the base of 2cm.

3.5 Lateral length lengthoflateralroot Lateral length of the base to the top size.

3.6 Number of lateral roots numberoflateralroot In line with the number of lateral thickness and lateral length requirement.

3.7 Anvil length lengthofrootstock Rhizome root anvil portion to marry the interface from the base size.

3.8 Anvil section thickness diameterofrootstock Anvil section diameter at 3cm from the surface.

3.9 Seedlings thickness diameterofnurseryplant Interface marry more than 5cm in diameter at the stem.

3.10 Seedling height heightofnurseryplant Rhizome at the top of the stem to the size of the distance.

3.11 Stem inclination gradient Married tilt angle interface between the upper and lower sections and anvil stem segments.

3.12 Plastic tape shapingstrip Year seedlings, seedlings two years aboveground 30cm stem section between 60cm at its stem or less within the range of ~ 20cm.

3.13 Plump bud plumpbud Plastic band Growth good health buds.

4 Lateral roughness/cm >=

0.5 Lateral length/cm >=

20.0 Lateral distribution, stretch without crimping Pest-free crown gall nematode and root rot Anvil length/cm 10.0 ~

4.1 Quality requirements plant

4.1.1 year seedlings Annual seedling quality requirements in Table 1. Table 1 project level One two Variety and rootstock purity /% >=

95.0 lateral root Quantity/Article Seedling roots Ordinary peach, Xinjiang peach, light walnut >=5 >=

6 Inspection rules

6.1 Sampling Sampling should implement the provisions of GB 9847.

6.2 Quality judgment rules Quality judgment rules shall implement the provisions of GB 20464. 7 lifter, packing

7.1 lifter Late autumn (with more than 80% of the whole tree leaves natural subject) to the spring before bud lifter.

7.2 Packaging Each bundle 50, or packed according to the number of users required. Seedlings per packing unit should be accompanied by the label, the label shall comply with GB 20464 Provisions.

15.0 Anvil section thickness/cm >=

1.2 Scale insects and pests without gummosis Bud full, not germinate, bud healed well exposed buds

4.2 Batch quality requirements The proportion of each batch of qualified seedlings should not be lower than 95.0%. A batch of seedlings allows substandard seedlings included two seedlings should be consistent Standard; two batches allow unqualified seedlings seedlings seedlings contained in diameter, seedling height, the number of buds can not be less than two standard seedlings 20% of the asking other quality indicators with two standard seedlings. Batches of substandard seedlings sprout allowed contains not less than the length of the anvil Or greater than 20% of the standard.

5.1 Pest Visual method, indoor microscopy or culture inoculation.

5.2 Varietal purity Based on characteristics of a variety of botanical and biological characteristics of purity test.

5.3 Number of lateral roots Visual method count.

5.4 lateral thickness and roughness seedlings Using vernier calipers, measure the diameter.

5.5 lateral length, seedling height, length anvil Steel tape measure.

5.6 interface section the degree of healing Visual method or joint longitudinal sectional observation.

5.7 tilt Measured with a protractor.

5.8 buds full extent Visual method.

5.9 Number of buds Visual method count.

5.10 mechanical damage Visual method.

5.11 pass rate When each batch of seedlings to test the samples, recording failed seedling quality indicators, if a provision refers to any of a seedling quality Standard unqualified, unqualified seedlings according to calculations. Pass rate in conformity accounting for