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

LY/T 3085.2-2019

**Technical regulations for propagation of improved *Amygdalus
pedunculata* varieties**

长柄扁桃 第2部分：良种苗木繁育技术规程
(English Translation)

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1 ~.2009.

This standard is proposed by the Economic Forest Research and Development Center of the Chinese Academy of Forestry.

This standard is under the jurisdiction of the National Economic Forest Products

Standardization Technical Committee (SAC/TC557).

This standard was drafted. Economic Forest Research and Development Center, Chinese Academy of Forestry, Inner Mongolia Agricultural University, Inner Mongolia Education Center, Baotou Forestry Bureau.

1 Scope

This standard specifies the cultivation of long-handled almond grafted seedlings, cutting seedlings, tissue culture seedlings, nursery stock, nursery stock classification, nursery stock packaging, and Technical requirements for transportation, fake planting, file management, etc.

This standard applies to the production of almond seedlings.

2 Normative references

The following documents are essential for the application of this document. For dated references, only the dated version applies to this article Pieces. For undated references, the latest version (including all amendments) applies to this document.

GB/T 6001 Seedling raising technical regulations LY/T 1882 Technical Regulations for Tree Tissue Culture

3.1 Field selection

The average annual temperature of the garden is 4 °C ~ 16 °C, the annual minimum temperature is $\geq -30^{\circ}\text{C}$, the annual average sunshine duration is ≥ 2876 h, the frost-free period is ≥ 150 d, and the slope is $\leq 3^{\circ}$.

The method of field selection is implemented in accordance with 1.1 and 1.2 of GB/T 6001.

3.2 Soil disinfection

It shall be implemented in accordance with Part 5.4, "Technical Regulations for the Construction of Ear-harvesting Plants in Part 1 of Almond Complex", "Pest Control".

3.3.1 Land preparation

Apply 3,000 kg to 5000 kg of biological organic fertilizer and 50 kg to 80 kg of nitrogen, phosphorus, and potassium compound fertilizer per 667 m² as the bottom fertilizer.

cm ~ 30 cm, land preparation method shall be implemented in accordance with 3.1 of GB/T 6001.

3.3.2 Making a bed

The bed making method shall be implemented in accordance with 5 regulations of GB/T 6001.

3.4.1.1 Planting mother trees

It is better to choose a mother tree with strong growth, high yield, stable yield, full seed kernels, and no pests and diseases.

3.4.1.2 Seeding time

The fruits are picked when they are fully mature. The Huanghuai Basin is in early and mid-June, and the "Three North" region is in early and mid-July.

3.4.1.3 Post-harvest treatment

After the fruit is collected, the flesh is removed in time. The seeds should be placed in a cool, dry, ventilated place and spread evenly in a natural wind with a thickness of 1 cm ~ 2 cm. Dry, avoid exposure, seed moisture content $\leq 9\%$, store in a dry, cool, ventilated warehouse to prevent rodents, etc., check regularly.

3.4.2 Seed Grading

Grade I and grade II seeds should be selected, see Table 1.

Table 1 Quality grading standards for almond seeds

Grade II

Seed moisture content not higher than (%) Clarity is not Below % Germination rate not lower than % Vitality not lower than % not good Below % Clarity is not low to % Germination rate is not Below % not viable Below % not good Below % 99 85 90 95 99 80 85 90 9

3.4.3 Seed processing

In the Huanghuai region, the sand should be germinated. 20 to 40 d before sowing, soak the seeds with water for 3 d to 5 d. According to the ratio of seeds to river sand 1. 3 in the case of sand storage after mixing, the humidity of the sand is maintained at 55% ~ 60%, the thickness is 50 cm ~ 60 cm, and the sand exposure rate of the seed nucleus for 20 days to 25 days is more than 30% when sowing. In the "Sanbei" area, it is appropriate to soak seeds in sand to promote germination. 25 d ~ 30 d before sowing, soaking seeds in warm water at 28 °C ~ 30 °C for 2 days. Change the water every day, mix the seeds and river sand at a ratio of 1. 3 ~ 5, and hide in the sand. The humidity of the sand is maintained at 55% ~ 60%, and the seed nucleus exposure rate is more than 30%.

When sowing.

3.4.4.1 Time

The Huanghuai River Basin live broadcast time is from late November to late December, and the germination seeds are sown from late February to mid March; warm water is used in the "Three North" region.

Seeds soaked and germinated were sown from early April to late April.

3.4.4.2 Method

When the seeds are sowed in spring, the nursery should be irrigated with enough bottom water, and ditched on-demand.

3 cm ~ 5 cm, seeding rate is 300 kg · hm⁻² (grade I seed) ~ 450 kg · hm⁻² (grade II seed), and the thickness of soil cover is 4 cm ~ 6 cm.

3.4.4.3 Post broadcast management

It shall be implemented in accordance with Section 4.3.4 "Scion Storage" of the "Technical Regulations for the Construction of Harvesting Plants in Part 1 of Almond Complex".

3.5.4 Grafting time

It shall be implemented in accordance with Section 4.3.6 "Grafting Time" of Part 1 "Technical Regulations for the Construction of Ear Harvesting Plants in Part 1 of Almond Complex".

3.5.5 Grafting method

It shall be implemented in accordance with Section 4.3.7, "Grafting Method" of Section 1 "Technical Regulations for the Construction of Ear Harvesting Plants in Section 1 of Almond Complex".

3.5.6 Management after Grafting

It shall be implemented in accordance with Section 4.3.8, "Management after Grafting", in the first section "Technical Regulations for the Construction of Ear Harvesting Plants in Section 1 of Almond Complex".

3.5.7 Water and fertilizer management

Micro-spray should be used for seedling irrigation. Water should be irrigated once every 2 d to 3 d before summer grafting, and replenished in time 5 d to 7 d after grafting, refer to 3.4.5.3.