

PROPAGATION OF CHAKANDA PLANT BY CUTTINGS

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ANNOTATION

Propagation was carried out in Termez by cuttings of *Hippophae rhamnoides* L. Based on the obtained scientific and practical results, it is possible to propagate the plant by cuttings.

Keywords. Elanaceae, *Hippophae rhamnoides* L., seed, woody twig cuttings.

INTRODUCTION

There is a tendency around the world to use drugs derived from medicinal plants. At present, the total volume of herbal medicines in the pharmaceutical markets of developed countries is 50-60%. According to scientific sources, medicines made from natural resources have advantages over artificial ones. The main reason for the growing demand in the field of medicine for medicinal plants and drugs derived from them is the long-term continuous consumption of synthetic drugs obtained by synthesis, which causes various adverse changes in humans and animals. Herbal medicines are of great importance in medicine [6].

It should be noted that due to the limited reserves of naturally growing medicinal plants, the growing demand of pharmaceutical companies for raw materials for medicinal plants in the future can be met mainly through the cultivation of medicinal plants [1].

Planned research from our research is the propagation of *Hippophae rhamnoides* L. by cuttings and the formation of retail plantations in Surkhandarya climate and soil conditions.

Systematics of plants. *Hippophae rhamnoides* L. A small family of shrubs or small trees up to 4-6 m tall, belonging to the family Elaeagnaceae of the family Hippophae L.

Plant distribution. It is a widespread plant in the European part of the CIS, the Carpathians, the Caucasus, the Black Sea region, Central Asia, Kazakhstan, Uzbekistan, Tajikistan and Kyrgyzstan, the Baltic Sea, Siberia and the Altai. and grows on gravelly and sandy shores of the seas, in the plains and mountains [2].

In the late XIX and early XX centuries, retail began to grow in the collections of many botanical gardens in Russia. The St. Petersburg Botanical Garden has started the cultivation of Chakanda as a decorative shrub. Retail seedlings and seeds were brought from the Altai Mountains, and the seedlings grown on their basis quickly spread among gardeners. At the beginning of the XX century, retail became more interested in berry plants, as retail was known as a plant resistant to Siberian frosts. Retail is grown and popularized in nurseries in the European part of Russia - Moscow, Voronezh, St. Petersburg. Retailer and I.V. Michurin was

also interested in planting seeds from different geographical areas and growing seedlings. In his experiments, seedlings grown on the basis of seeds from Germany were damaged by the first winter frosts, while retail seedlings grown from seeds obtained from Siberia were distinguished by cold tolerance [3].

Significance. Fruits and their retail oils and leaves are used. Retail oil is exposed to radiation, skin, mucous membranes (esophagus, stomach, uterus, vaginal mucosa), gastric and duodenal ulcers, some gynecological diseases and avitaminosis due to vitamin deficiency and is used to treat other diseases. Retail oil has an analgesic and wound-healing effect. Therefore, it is taken to heal ulcers of the mucous membranes of the stomach and esophagus.

Chakanda fruit has long been used by the peoples of Central Asia as a painkiller, a remedy for bleeding gums and gums, stomach ailments. They treated bod disease with a decoction of the leaf. To do this, a healing bath is made from the decoction of the leaves, or a cloth soaked in hot decoction is applied to the affected area of the body[5].

About 50-70% of the seedlings grown for retail propagation from seeds are pollinators, and it is difficult to separate them until they reach puberty, ie before the beginning of the fruiting period. In addition, valuable biological traits may not be stored in the seedling during the propagation of the seed from the seed. For this reason, researchers recommend the use of only vegetatively propagated seedlings in the construction of plantations. Seed propagation can be carried out only for selection and introduction purposes [4].

In the propagation of retail as a fruit and medicinal plant are used mainly vegetative propagation methods, which fully retain all the valuable economic and biological characteristics of the mother plant and are genetically identical with it. ensure the formation of young plants. Retail propagation from woody cuttings is widely used as a promising method of vegetative propagation and is widely used in production, as this method does not require soda, cheap and redundant means of production, and many low-cost seedlings are open. allows cultivation in the ground [4].

According to Berdiev, the best time to plant wood cuttings in retail is early spring and late autumn.

In the climate and soil conditions of the city of Termez, Surkhandarya region, cuttings of Jumrutsimon retailer were planted in the open field. Retail cuttings are prepared and planted in open ground in early March, when the air temperature is 20-22°C. Root cuttings accounted for 70% when inspected in late March. Based on the experiments, it is recommended to propagate Jumrutsimon retail from cuttings in Termez.

CONCLUSION

In short, the best way to create retail plantations is to propagate them from cuttings. This is because when propagated from retail cuttings relative to the seed, they ensure the formation of a young plant that fully retains all the valuable economic and biological characteristics of the mother plant and is genetically identical to it. Moreover, this method does not require soda, cheap and redundant means of production.

In the conditions of the city of Termez, in the early spring, retail wooden cuttings were planted from cuttings, and when checked in 20-25 days, their root rate was 70%. So, the conclusion is that we can propagate the spider mite by cuttings.

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