

Zirk Plant Used in Medicinal and Decorative Landscaping

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Abstract: Zirk plant has been widely used as a medicinal and decorative plant since ancient times. Zirk plant is a promising plant in medicine, food industry and environmental protection. They have an important feature in cleaning the ambient air, protecting the air from pollution while enriching the decorative landscape. There are many types of zirk plant, there are also hybrid types.

Keywords: Barberry plant, plant red, yellow or grayish white, shoots, elliptical leaves, berries red or purple, barberry species common, Ottawa, Thunberg, Amur, boxwood, Juliana, fruit light red, oval, with brown seeds, sour taste, Berberis thunbergii Bagatelle.

Zirk plant has been widely used as a medicinal and decorative plant since ancient times. The zirk family includes more than 170 species and more than 480 varieties, and only a small part of them the fruits are eaten. Before independence, such plants were grown in Tajikistan during the period of unified administration. Drinks, sweets and medicines of the same name were produced from them. Currently, in regions with a cold climate, various types of shrubs, It can be found in vast areas of the Moscow region. Natural habitats of the berry: Transcaucasia, Asia, Southern and Eastern Europe. The shrub is simple and grows on mountainous and infertile soils. Depending on the type of plant, its branches can reach 2-3 meters. In some varieties, they are erect or drooping. The shoots are covered with elliptical leaves. They can be red, yellow or grayish-white. This feature and the variety of colors give the bush a decorative effect. The shoots of the berry can reach 2 centimeters in length . The bushes bloom with 15-25 inflorescences . They can be yellow or red. The ripening time of the fruits depends on the variety. The color of the berries can also be red or purple . A shrub of the family of the Asteraceae, 1.5–2.5 m tall, with branches covered

with thorns . The leaves are small, elongated , with serrated edges, growing from the base of the thorns . It blooms in May-June. The flowers are light yellow with a characteristic odor, collected in a panicle. The fruit is light red, oval, with brown seeds , sour in taste , poisonous when unripe . It ripens in August-September. In the European part of the Russian Federation, it is found in the Baltic Sea . It is widespread from the states of the Crimea to the Caucasus. It grows on riverbanks , forest edges , sandy hills and rocky slopes . It is photophilous , drought and cold resistant, and used for landscaping . In everyday life , lemon-yellow wood was used as a decorative material for dyeing wool , cotton and leather . Ripe berries are eaten, they are widely used as a spice for meat dishes, for the preparation of drinks, compotes and jellies , and dried fruits are used . It is salted and prepared for the needs of the food industry. Its leaves, roots and berries serve as medicinal raw materials. The leaves are collected during the flowering stage of the plant, and the diseased and damaged ones are discarded by pests . The fruit of the tree is dried in the shade or under a canopy . The dried raw material has a specific smell and a sour taste , Store in bags in a ventilated place for three years . The roots are harvested in spring or autumn by cutting or digging up the bush. The collected raw material is divided into pieces 10-20 cm long, shaken well from the soil, and rotten and blackened parts are removed. The bark is very easy to clean, so the raw material is spread out with a tarpaulin or other material to prevent it from getting lost . The berberine contained in the raw material dissolves well in water, so the roots are not washed, but dried in a ventilated room or dryer at a temperature of 45-50°C, turning occasionally. To preserve the root, it is advisable to use the leaves of the root instead of the root.

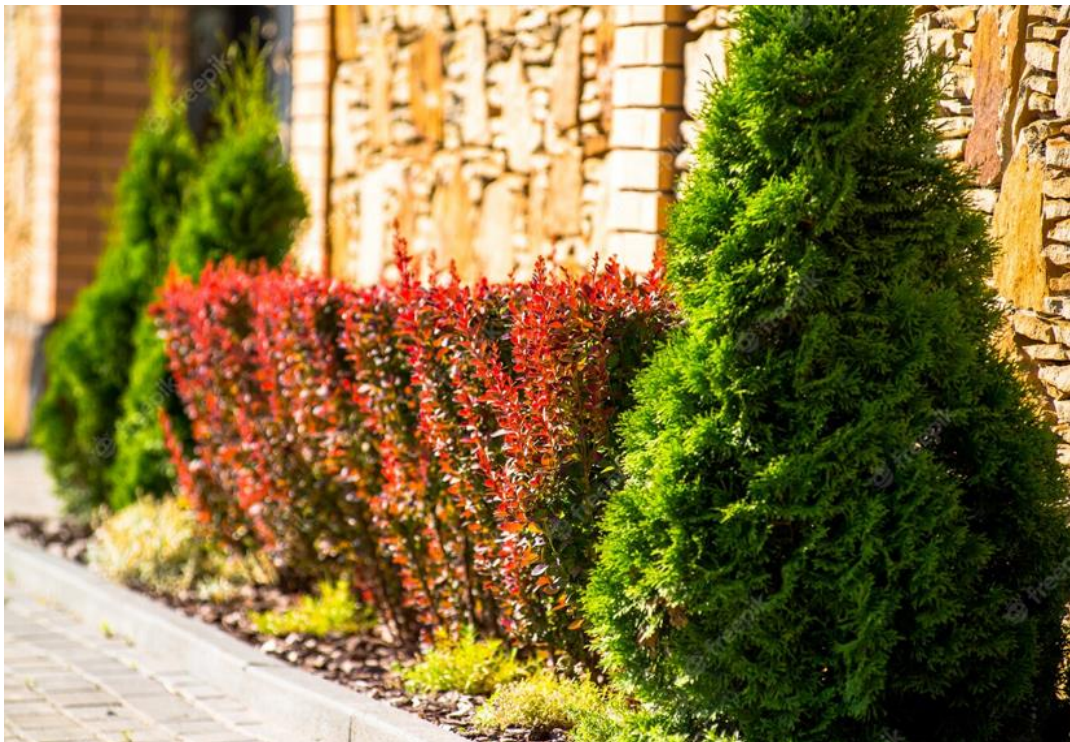


Figure 1. Berberis thunbergii Decorative variety "Bagatelle".

Among the various types of fir, the most popular are ordinary , Ottawa , Thunberg, Amur, boxwood, Juliana and others. Evergreen in nature and in landscape design you can find leafy bushes. Zirk A beautiful plant that comes in many colors in nature. In addition, the plant is also used as an ornamental plant. Ornamental cypress bushes are often used to create a hedge in a row or to implement the plans of a landscape designer . The plant has a huge number of species. Some varieties, in addition to their exquisite beauty, also have berries that can be eaten. The fruits of other species are dangerous for human consumption, and in order to grow varieties that can bear fruit in personal plots and gardens, it is necessary to study the names of cypress species by name . When choosing plants for landscaping , it is important to familiarize yourself with the existing varieties and types of shrubs Berberis thunbergii "Rose Glow": grows up to 150 cm tall,

blood-red leaves in spring, has good winter hardiness and does not require special soil. *Berberis ottavensis* "Superba" is very hardy, grows up to 3-5 m tall, is drought-tolerant, has purple leaves. *Berberis thunbergii* "Bagatelle" dwarf form, growth height 40-50 cm, red leaves, shallow roots. The basis of any suburban area is successful planning. In landscape design, decorators prefer to give each area of planting a certain meaning of organizing a personal space, at a certain point, which plant is suitable for planning and forming a barrier is chosen and importance by dividing areas with different green spaces.



Fig. 2. Decorative variety of Zirk plant

According to kindergarten experts, the zirk is an ideal tool to achieve the goal, because it provides a balance between safety and aesthetics. Barberry - *Berberis* from Latin A genus of large shrubs belonging to the Barberry family. Evergreen leafy, they also heat very hardy. In total, there are from 450 to 600 species of this plant, but only a few are used in ornamental gardening. In addition, the plant is medicinal, and it is widely used in the food industry, pharmaceuticals and medicine. It is considered the best product for increasing human immunity.

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