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Study of Biological Features Some of *Nandina domestica* Thunb. Species in Abseron

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Aim of the study: Plantings – the main elements of architectural compositions in a city accomplishment. Many of such plants are growing in theMardakan arboretum such as *Eucalytus* L, *Herit., Pinus* L., *Lonicera L., Cupressus* L., *Berberis* L., etc. Now it have been inbreed as a new ornamental plants, such Nandina domestica Thunb.

Materials and metods: The first time in 1970 Nandina domestica Thunb. was introducted in the Mardakan arboretum and it was grown up in an open groud. But the next years it is a plant has not acclimatized in soil-climatic conditions Apsheron and it are parishes. In 2008 again in the conditions of the Mardakan arboretum (Nandina dosmestica Thunb.) is grown up from seeds which have received from Iran. In research have been studied some bioecological features (propogate, morphology of sprouts, dynamics of growth 1-3 summer plants, dynamics of seasonal develompment, stability to external factors, etc.) Nandina domestica Thunb. in the conditions of Apsheron. Observation were spent during all vegetative period on following phases: a dormant period, swelling and blooming of leaf-bud, the beginning and the termination of growth of runaways, budding the beginning and the flowering end, setting and maturing of seeds, autumn colorings. The age of the first flowering is noted by supervision over the replaced plants. Acceretion measuruments on height and diameter spent in 10 days from the beginning of growth before its termination. Nandina domestica Thunb. - The representative endemically monotype sorts concerns with Nandinaceae Horon. family. It is decorative subtropical planth and its evergreen bush with reddish-brown branches and leaves which reaches 3 m height. Leaves difficult, it is thricerepeated pinnate, leaflets dense, rhombic-lanset, pointed at top, wedge-shaped at the basis, the edge whole that have 8 cm length and 2 cm widths.Cutting 7 cm of length which in the basis is expanded, stalk of the leaf 1 sm lengths. An inflorescence whisk have 15-20 cm of length. Flowers are petalous, small, white, 4 mm in diametr . Fruits diameter reach to 0.5 cm and are berry-figuratively, bright red. The native land - damp subtropics of Japan, China, grows on hillsides. Nandina domestica Thunb. highly decorative plant, is used for creation of a composition and apperance of interiors.

Results. The important role in wide spreading introduced plants is played by seed reproduction. For revealing of optimum terms of crops of seeds (Nandina domestica Thunb.) in the conditions of Apsheron seeds were sown on beds in garden soil in the autumn (November) and in the spring (March). At autumn crops amicable shoots appeared in the spring – in the second decade of April. Shooting makes 85% at spring crops shoots were observed in the autumn - in the second decade of November, shooting makes shown that in the conditions of Apsheron growth 80%.Observations have Nandina domestica Thunb. begins in thesecond decade of April depending on weather conditions and comes to an end in the third decade of September or in the first decade of October. The growth period proceeds 165 days. In the first year seedlings grows slowly, and the next years they grow very intensively. Growth seedlings on the average on years reaches: in the first year - 15 cm, in the second - 35 cm, in the third - 69 cm, in the fourth - 80 cm, in the fifth - 115 cm Lateral branch appear height of 20-25 cm from soil surface. On there-year plants their number varies from 15 to 35, the length - from 5 to 25 see.

Keywords: Nandina domestica Thunb, Apsheron, decorative plant.