

## **Introduction of fruit-berry plants in Botanical Garden.**

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The territory of the Mongolia is situated on point of free centres of cultural plants, which were chosen by the N.I. Vavilov / 1968/ and P.M. Jukovskii / 1982/ Media Asia, Chinese- Japanese and Europa- Sibiria.

Mongolia is situated in the Central Asia, on a highly elevated plateau, deep valleys. From the point of view of the geographic zonality, Mongolia is a transit zone from Siberia to the Central Asia. The country is characterized by mountain taiga, mountain forest-steppe, desert, sandy and stony desert. Each type of zones has own peculiarity of soil, climate condition.

In Mongolia natural berry is about 30 species. They are valuable materials for receiving drought-resistant and coldstable local sorts.

Fruit-berry plants are one of source, securing the population in nourishment products. Thus, a conversion and a produce of many species of plants the food stuffs and drinks is possible.

Specifically, it is now manufacturing pills with vitamin, juices of fruit the dog-rose, sea-buckthorn, blackcurrants and squeezing the are of fruit the sea-buckthorn. Biactive substances, which contained in flowers, leaves and in a bark of fruit-berry plants are using in medicine wide.

There are many medicines manufacturing of leaves the red bilberries, bog whortle-berries, of flowers the *Padus asiatica*, and of leaves, bark and arms the *Ribes diacanthum*. Besides dye-stuffs which application in food and light industry, receiving of fruit-berry plants. For example, *Ribes altissimum*, *Ribes nigrum*, *Lonicera altaica*, *Rosa rugosa* is a raw material for production the food-dye.

Crataegus, Hippophoe, Rosa is used in a green planting as hedge. Consequently, the fruit-berry plants using in a food, in medicine, in the various branches of industry, in a decorative goals. Of all growing species of it Nitraria, Ribes nigrum, Hippophoe rhamnoides, Ribes altissimum have stocks, which possible to use raw material.

Now it is singling out 3 area of general stocks and spreading Hentei's mountains area (Vaccinium, Ribes nigrum, Ribes altissimum), Hovsgol's mountains (Vaccinium, Ribes nigrum, Ribes rubrum), Hangai's mountains (Vaccinium, Ribes nigrum, Ribes altissimum, Grossularia acicularis).

Bioproductivity of 1120 hectares is making 250.4 ton of fruit in a year with average level of yield capacity. Biological peculiarity, negative natural factors of weather prevents to receive the constant high yield of fruit and berry, the constant providing the industry in raw materials.

We have an average annual harvest equally to 10.2 – 24.7 tone. The next step of our research is a searching and growing drought resistant and cold-stable yieldest local plants, replenish resource of fruit-berry the face of profounds, studying resources and spread area of fruit-berry in Mongolia, ecological and biological peculiarities of this plants, their gene found, reveal the level of yield, a yield in the definite regions. For today, use the plants in any goals is sharp increasing. This rise beginning to tell bad on the genetic resource of them. Since the genetic was been standing this incage the study of gene found of fruit-berry plants, his defence, preservation in living air the plants is become decisive problem for today. Mongolian's fruit-berry plants GR is very firmest in sharp change of factors of environment. And also they having genotype with many bioactive substances. That's why the study of fruit-berry plant's gene found is very important to assort of them the need form.

