

ROYAL JELLY

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French agronomist Kayas was the first who received the evidence of the therapeutic action of the royal jelly. In 1953 he published the book named "Bees - the fountain of youth and life," in which one can read that "the use of royal jelly creates a sense of youth and vigor." A great number and variety of vitamins and other vital elements confirms the high biological activity of the royal jelly and the possibility of its use as a power or a remedy. The most effective way to use the royal jelly is the sublingual method.

When it is taken perorally, being in the stomach the royal jelly is completely exposed to destruction by gastric juices. It is known that in the mouth there is no hostile environment, so the royal jelly is rapidly and almost completely absorbed through the skin, bypassing the liver barrier that creates the optimum concentration of the components in the blood. The external application of royal jelly is found in the form of alcoholic emulsion of the aqueous solutions, creams, and the ointments. Royal jelly is produced in the pharmacy in the form of the "soft" tablets, which include 20 mg of royal Jelly 0,5 g of glucose and 1-2 drops of honey for the conservation and band components. The alcoholic solution of royal jelly is a convenient and easily accessible form of preparation and application.

The potential administration of royal jelly can be also assumed. Especially, this method was practiced in 50-60's of the last century. The preparation of such drugs is a complex process, and the benefits are minor. The potential administration of the drug is shown in tuberculosis in the recovery period, asthma, poor circulation, liver disease, pancreatitis, anemia, gout, kidney disease, peptic ulcer disease. There are many drugs that contain the jelly such as: Apilaktoza, Apimin - B Apitok, Apifor, Vitadon, Vitas, KolGel. The biological basis of the production technology of royal jelly is the quality of the bee colony to grow new queens of the young larvae of worker bees according to the selection or exclusion of the uterus. The most favorable season for royal jelly is late spring and early summer - the period of intensive development of families.

Royal jelly has biostimulating, antiviral, and toning properties and it is used in premature senile weakness, diffuse cerebral sclerosis and vascular spasm in the brain, heart, angina, and viral diseases.

The lack of information on the benefits of the royal jelly and its application are the main reasons hindering the increase of its production in Ukraine apiaries.