

THE STUDY OF RAW MATERIALS COMMON REPRESENTATIVES OF THE GENUS *TRIFOLIUM*

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Entry. An important aspect of the development of modern pharmacy is to develop high quality, effective and low-toxic medicines. From this side of attracts the attention of medicinal plant material, especially plants, which have long been used in folk medicine. Our attention was drawn by the representatives of the genus *Trifolium*, of the subfamily *Faboideae* family *Fabaceae*. The genus has 230 species which are distributed in temperate and subtropical areas of the globe, except Australia. Plants of the genus *Trifolium* – one-, two - or perennial herbaceous plant, reaching a height of 15-55 cm, with a stalk that rises. The people you can meet such names as: white clover, clover, Krasnogorovka, meadow trefoil, bee bread.

It is known that the flowers and leaves have expectorant, antiseptic and diuretic properties and is used in cystitis, as an astringent in diseases of the gastrointestinal tract. From leaves receive vitamin concentrates. The infusion and decoction of flowers is used in tuberculosis, whooping cough, uterine bleeding and as a tool that increases appetite. Has found its application in homeopathy and is a member of therapeutic teas. Agriculture serves as a forage grass for animals.

The purpose of the study. To conduct a preliminary pharmacognostic studies of the raw material of the genus *Trifolium*. To determine the morphological features of raw materials.

Materials and methods. The leaves are harvested April-Jun, flowers in July – August 2015

The results. Leaves – palatised, tricast, the components of the simple leaves are short with shirokoryadny leaf blades with finely toothed margin. The stipules are joined to the main petiole , leaf-like or scarious. The inflorescence is a rounded or oval head are usually in pairs and spike-like and umbrella-shaped, flowers – red, white, purple, yellow, at the end of flowering light brown, 4-6 mm, fruit – simple Bob.

The leaves contain essential oil, fatty oil, vitamins, organic acids and flavonoids, including MacIan, tannins. In the flowers contain phenolic compounds and amino acids.

Conclusions. Analysis of the results showed that members of the genus *Trifolium* is a promising plant for further studies and creation of drug substances on their basis.