

A NEW UKRAINIAN VARIETY “PERSEI” OF DESMODIUM CANADENSE - PROSPECTIVE HERBAL RAW MATERIALS

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Introduction. The interest in medicinal plants has always been high, as they have helped mankind for centuries to treat a variety of ailments. They were used, and used in all continents of the world today, so the creation of drugs from medicinal plants has not lost its relevance. In the wild harvested raw materials for the industrial production of drugs has become difficult due to the plowing of land, the construction of various infrastructures, the high financial cost of transportation of raw materials, storage. Reduced plant area. Many species are listed in the "Red Book", such as *Adonis vernalis*. All this complicates harvesting of medicinal raw materials in nature. In connection with this, it was efficiently to cultivate plants in the plantation zone stations, making it easy to monitor the development of plants, cleaning, preparation of raw materials for storage, to keep seed fund.

Aim. Introduction into the culture, a new variety *desmodium canadian* – Persei. In connection with the gradual transition of Ukraine to work with the pharmaceutical raw material according to requirements of GACP (order №118 of the Ministry of Health 2013), there is a need for the reproduction of cultivated raw materials, especially of foreign origin.

Materials and methods. *Desmodium canadian* – North American plant, so the new variety of *desmodium candian* was established on the basis of these requirements - Persei with stable indicators. In 2014, included in the State Register of plant varieties suitable for dissemination in Ukraine. The variety provides a distinction, uniformity, and stability of indications under cultivation.

Result and discussion. The variety cultivated in Ukraine in conditions of the forest-steppe zone on the station for many years (Poltava region, Berezotocha) for use as herbal raw materials. The plant is a perennial, not demanding to the culture is subjected to mechanical harvesting; the yield is quite high, and it can reach up to 60 centners for 1 hectares, seeds to 15.5 centners for 1 hectares. In the season of mowing is carried out 2-3, which ensures demand for raw materials. Ability to bookmark a plantation area of 5-7 hectares.

Conclusions. Raw materials from *desmodium Canadian* varieties Persei can provide the need not only for the production of ointments "Fladeks" on Pharmaceutical company "Zdorovye", but also are used for the making other dosage forms for the treatment and prevention of viral dermatitis, as well as for a more complete study of the chemical composition plants. Persei variety may be used as a fodder crop, as well as other types of herbaceous *desmodium*, replacing *Medicago sativa* and *Trifolium pratense* when sowing in combination with other plants for crop rotation.