

**Manko A.A., Pinchkovskiy G.L., Novak Y.W.**

## **BIOMORPHOLOGY SIGNS OF PLANT CHICORY ROOT**

Chicory root – it is a unique culture. Complex mechanisms of inheritance of useful features, biology of flowering (prolixity in the period), bio – physiological processes of accumulation of inulin and monosaccharides and many other problems are not well understood.

Given the results of the studies of foreign scientists, state of knowledge, the problem of selection and genetics of chicory root in Ukraine, research and study features of varieties, as the starting material for the selection of particular importance.

The object of research served as source material for breeding chicory root. To achieve this goal the following tasks: evaluation and selection of promising forms, establishing and identifying new signs with a high degree of their manifestation.

The classification of breeding materials grounds. Selected biotypes with new signs that will be used to create new varieties. The effect of photosynthetic surface area to mass of roots of different varieties chicory.

**Key words:** variety, population, signs, chicory root, biomorphology.