O. Semen

ECOLOGICAL AND ECONOMICAL EFFICIENCY OF CUCURBITA MOSCHATA CULTIVATION IN CONDITIONS OF THE SOUTHERN REGIONS OF UKRAINE

The article substantiates the necessity and economic expediency of Cucurbita moschata fruits cultivation for dietetic feeding while growing it on the non-irrigated fields in southern Steppe of Ukraine.

The special agrotechnological investigations were on lands of the experimental farm of the Institute of Southern Vegetables and Cucurbit (now – plantations Southern State Agricultural Experimental Station of Institute of Water management Problems and and Land Reclamation NAAN Ukraine, located in Golopristanski region Kherson oblast during 2011–2013.

The optimization of triple interaction factors has revealed the best option for multiple ecological and economic parameters the cultivation of Ioanina variety with the introduction of the mineral fertilizers $N_{30}P_{45}K_{30}$ as formation of the plants plant nutrition area of 5 m$^2$.

**Key words:** Cucurbita moschata, nutrition area, fertilizers, variety, economic efficiency.