THE USAGE OF NEW AMERICAN STRAWBERRY VARIETIES IN REPUBLIC OF MOLDOVA IN OPEN FIELD

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SUMMARY

The implement of varieties with a high potential productivity, in course of 30 years (1974-2004) leaded to increase gross production of strawberry from 224 thousands tones to 1 mln tones. These results was obtained on basis of renovating continuance the assortment used in cultivation. The lead role in this activity become to University of California, which varieties being implement only in this state assure 75% from gross production on this country. After view of scientists from this University, the usage of varieties will facilitate to increase gross production and in other states of USA. It is necessary to specify, the aproximately 70% from expenses related to strawberry research are meant in special associated for creation a new varieties. In result was obtained varieties: Camarosa, Chandler, Oso Grande, Pajaro, Seascape, Selva, Sparcle etc. which potential in plantation of production go beyond quoato 50 tones per ha of fruit. Each variety it is destined for the certain condition of cultivation in open field, and even in protected field. Respective varieties have a high level of capitalization a nutritive space and capacity to develop more underground stems in the first years of vegetation. These varieties are in a investigation stage for cultivation on open field in central area of R. Moldova.

Reaschoring objects serve strawberry plants of 1-3 years, varieties: Red Gauntlet, Camarosa, Seascape, Chandler, Selena, Elsanta. Investigations are effected at Fruit Growing chair of the State Agrarian University of Moldova, field-experience on the agricultural lands at SA ”ORHEI-VIT” and Private Family Farm ”VRABIE NICOLAE” district Hîncești, which it is situated in central area of Republic. Investigations are effected after wide methods used in modern Fruit Growing.

In conformity with conception of Fruit Growing development in R. Moldova for 2006-2015 the yearly fruit production will constitute 976 thousands tones. In development of these objects a special part confer berries species, which culture is advangeous in most cases in all advanced countries. Through berries species a special place claim to strawberry. The investigation results will open new perspectives of utilization a strawberry varieties with a high productivity and better adapted to the concrete ecological and pedological conditions of cultivation, the structure of plantation for creation a favourable conditions to realize the strawberry plants potential in central area conditions of R Moldova. For the first time it will realize a complex relating to plantation structure and variety about obtaining ecological strawberry fruit production with usage of modern technique. Experiments have been founded at SA ”ORHEI-VIT” in fall time of 2005 but that from Private Famile Farm ”VRABIE NICOLAE” in fall time in 2006 with virus-free plants. At fondation of the plantation, mineral elements was not introduced, have been introduce only manure in 40-60tones quantite. The experimental land soil is simple-black isured with necesary quantity of humus and mineral elements for strawberry plants, with trickle irrigation. In 2007 the productivity of these varieties was between 7.5 tones per ha-20 tones per ha.

The results of effected investigation confirm that the american strawberry varieties in pedo-climaterical conditions of R. Moldova are adapted to intensive cultivation culture, which allow to obtain a high-efficiency than homolagate varieties, using the trickle irrigation in the dry and hot season in special this year 2007.

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