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Պետական ոչ առևտրային կազմակերպություն



MINISTRY OF ECONOMY

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SCIENTIFIC CENTER OF VEGETABLE

AND INDUSTRIAL CROPS

State non-commercial organization

Վ.դ. 0808, Արարատի մարզ, գ. Դարակերտ
Դ.Լադոյան Վ.38
(044) 09-09-71
Էլ.փոստ scvic49@mail.ru

P.ind. 0808 v. Darakert, Ararat Marz, Armenia
D.Ladoyan str.38
(044) 09-09-71
E-mail scvic49@mail.ru
WWW.rcvc.agro.am

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REPORT ON RESULTS OF APPLICATION OF DIFFERENT RATES OF ORGANIC FERTILIZERS N-BACTER G ,N-FIX-G AND N-FIX

During the last three years the effectiveness of organic fertilizers N-Bacter G,N-FIX-G and N-FIX on different phenological stages and crop yield has been tested in different climatic zones of the Republic of Armenia on cultivated areas under different crops, as well as in greenhouses in the period of growing of different vegetable crops.

In order to determine the optimal application rate of fertilizers during the experiments carried out the fertilizing was performed in several variants and in different rates. Two rates of N-FIX organic fertilizer: 1:100 and 1:200 were tried. The experimental variants were compared with the option "control" (fertilized with ammonium nitrate). The results of study conducted showed that above mentioned organic fertilizers (N-BACTER G,N-FIX-G AND N-FIX) promote to high yielding and in compare with control lead to the yield increase: in close conditions for haricot bean on about 37.4 - 44-4%, for tomato – on 11.6-15.2%, and under the open field conditions on 3.8-14.9% depending on cropspecies (Diagrams 1 and 2).

Diagram 1.

The yield of haricot bean depending on application of tested fertilizers
(2017-2018, kg/m²)

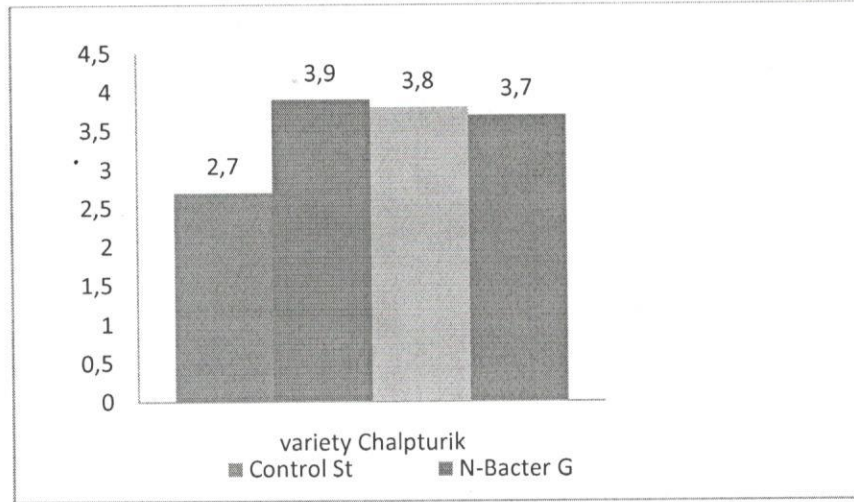
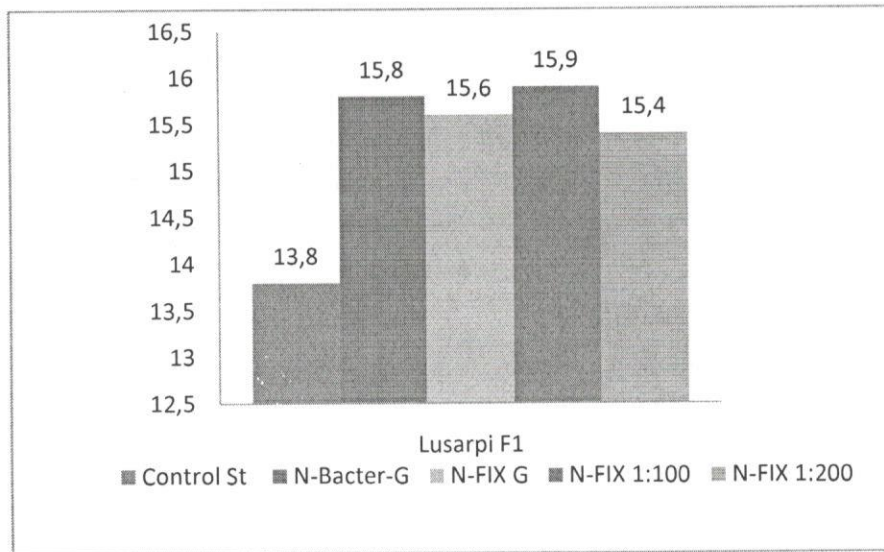


Diagram 2.

The yield of tomato depending on application of tested fertilizers
(2017-2018, kg/m²)



Director
Dr. Prof. of Agricultural Sciences

G. Sargsyan