

Study of Receiving Opportunity of Water Soluble and Non-Ballast Micro Fertilizer on the Base of Manganese-Containing Materials

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Abstract : From the raw material base existed in Georgia (manganese ores, manganese containing mud), particularly, within the point of view of production availability, especial interest is paid to micro- fertilizers containing manganese. As a result of conducted investigation, there was established receiving of such manganese containing materials on the basis of manganese raw-material base (ore, mud) existed in Georgia, which shall be able to maximally provide assimilation ability of manganese, as microelement, in the desired period of time. And also, determinant of effectiveness and competitiveness of received materials with new composition shall become high content (more than 30%) of microelements in them (in comparison with existed similar products), when the total sum of useful components presented in them (active i.e. assimilated) is more than 50-70%, i.e. received materials belong to the materials having low-ballast and functionally revealed possibilities.

Keywords : manganese, fertilizers, non-ballast, micro- fertilizers

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