ACCUMULATION OF RADIONUCLIDES IN MEDICINAL PLANTS UNDER OPEN-AIR HYDROPONIC CONDITIONS

Summary

The peculiarity of accumulation of artificial (\(^{85}\)Sr, \(^{137}\)Cs) and natural (U) radionuclides (RN) in medicinal plants (Ocimum basilicum Hochst. var. citriol, Sedum aizoon L.) grown under open-air hydroponic conditions, has been observed. By the content of RN, Citric basil, grown in Davtyan nutrient solution, which contains 0.01% growth stimulator KL, are radio-ecologically clearer. The content of \(^{85}\)Sr and \(^{137}\)Cs in medicinal plants doesn’t exceed the Maximum Allowed Concentration Limit.