

ACCUMULATION OF RADIOACTIVE STRONTIUM ISOTOPES IN ANIMAL PRODUCTS

A.Motiejunas, A.Stepaniukas

Summary. Due to nuclear weapons experiments in atmosphere and extensive accidents at nuclear power stations the environment has been polluted with a great amount of radioactive strontium isotopes. Strontium is the chemical analogue of calcium and therefore is present in the organism metabolism of mineral materials of an organism. It easily joins biosphere components, migrates through biological chains and together with vegetables, animal products and fish gets into human organism. The paper summarises data concerning the spreading of radioactive strontium isotopes in nature, their migration within soil, accumulation in plants and animal organisms. Ways reducing the resorption of these isotopes in digestive tract and stimulating their elimination from an organism are discussed in the paper.

Keywords: strontium radioisotopes, pollution, forage crops, animal products