

STRONTIUM AND CALCIUM
RELATIONS IN PLANT AND SOIL SOLUTION
ON CHORNOBYL-AFFECTED AREAS

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S u m m a r y

Ratios Sr/Ca for natural total strontium and ⁹⁰Sr/Ca in plants and in the corresponding soil solutions for three experimental lands with the "fuel" type of pollution for several plants under natural conditions are determined. These lands with three different types of soil are at the Exclusion Zone of the Chornobyl Nuclear Power Plant. The obtained experimental results show that the ratio Sr/Ca in plant is equal to this ratio in the corresponding soil solution for all investigated lands and plants. Ratio ⁹⁰Sr/Ca in plant exceeds this ratio in the corresponding soil solution. The ratio in the plant has positive correlation with the soil humidity for every experimental land.