

## THE PROBLEM OF RADIOACTIVE IODINE ISOTOPES IN LIVESTOCK

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**Summary.** A lot of radioactive iodine isotopes are spread in the environment during nuclear explosions in the atmosphere and nuclear power plant accidents. Iodine isotopes are distinguished for their strong radiation and increased biological activity. We have summarized the data concerning the spread of iodine isotopes in the environment, their accumulation in the soil and plants, the way of their passage from the polluted environment to animals and the distribution in the animal organism depending on the dose of radiation.

We have presented recommendations concerning the reduction of the amount of radioactive iodine isotopes in live animals and animal origin products.

**Keywords:** radioactive iodine isotopes, thyroid gland, animal origin products.