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INFLUENCE OF SOYA FERTILIZING ON THE CONTENT OF FLUORIDE MOBILE FORMS IN GRAY PODZOLIZED SOIL

The paper studies the influence of soya cultivation techniques on the amount of alkali-, acid- and aqua soluble fluoride forms in grey podzolized soils. Various doses of applied mineral fertilizers used in soya cultivation have been considered in view of their influence on accumulation of fluoride mobile forms in accumulative layers and their migration throughout the soil profile. The authors have determined the concentration coefficients and carried out the ecological evaluation of the gray podzolized soil according to the indices of accumulation and migration of the fluoride forms.

Key words: fluoride forms, cultivation techniques, soya, concentration coefficients, gray podzolized soil.