

## Annotation

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***Efficiency of applying sulfuric fertilizers for field crops on podzolized chernozem***

*Studies are devoted to the question on influence of prolonged use of mineral and organic fertilizers on the content of mobile sulfur compounds in loamy podzolized chernozem. It is found that among fertilizing systems that were studied in the experiment organic one has the highest content of mobile sulfur compounds in the soil; however such amount does not completely satisfy needs of main agricultural crops in this element. The important source of sulfur for the soil is precipitation for the year, it can give 5-8 kg/ha of sulfur. Adding sulfur containing fertilizers increases the yield of winter wheat, chickpeas and spring false flax by 11, 9 and 7%.*

**Key words:** *loamy podzolized chernozem, sulfur containing fertilizers, mobile sulfur compounds, precipitation, winter wheat, chickpeas, spring false flax*