

EFFICACY OF MINERAL FERTILIZERS UNDER FALSE FLAX ON CHERNOZEM PODZOLIZED

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World experience growing of agricultural crops testifies that among all factors that affect the yield and its quality the fertilizers play the most important role. False flax, compared to other oilseeds, is the least fastidious to growing conditions. It grows well on all types of soils except argillaceous. Yields of false flax seeds depend largely on the level of fertilizer. The highest grain yield was obtained by application of a complete fertilizer in a dose $N_{90}P_{60}K_{60}$ – 1,93 t / ha, which was 0,64 t / ha over the control. Reducing the dose of nitrogen to N_{90} component on phosphorus-potassium background led to lower yields at 0.08. The further dose reduction of nitrogen fertilizer up to 60 kg / ha also reduced seed yield of 0.15 t / ha or 8 %. The system of fertilization on false flax chernozem podzolized should consist of application of phosphate and potash fertilizers to 60 kg/ha under deep autumn tillage and nitrogen at a dose of 90 kg/ha – under presowing cultivation. Thus it is advisable to use the nitrogen component in the form of ammonium sulfate.

Key words: *false flax, fertilizers, yield.*

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ЭФФЕКТИВНОСТЬ ПРИМЕНЕНИЯ МИНЕРАЛЬНЫХ УДОБРЕНИЙ ПОД РЫЖИК ЯРОВОЙ НА ЧЕРНОЗЕМЕ ОПОДЗОЛЕННОМ

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В полевых временных опытах в течение двух лет (2013-2014) изучали влияние разных минеральных удобрений, способов их внесения в почву и доз на урожай семян рыжика ярового при стандартной агротехнологии выращивания. Выявили зависимость урожая от норм удобрений. Внесением минеральных удобрений в норме $N_{120}P_{60}K_{60}$ обеспечивается наивысший урожай рыжика ярового – 2,01 т/га в среднем за два года, что на 55 % выше, чем на контроле.

Ключевые слова: *рыжик яровой, минеральные удобрения, урожайность.*