THE IMPACT OF THE ALTERNATIVE FERTILIZER FOR FIBER FLAX ON THE AGROECOLOGICAL SOILS IN THE SHORT-TERM CROP ROTATIONS

The effects of the alternative fertilizing systems on the agroecological condition of gray forest soils as well as the determining of the ways of preserving soil fertility by enriching it with an organic part of the alternative fertilizer are considered in the paper.

The paper studies the impact on the agrophysical soil indicators.

Under the introduction of straw, green manure and mineral fertilizers the soil density decreased to 1,14 g/cm³ in the 0–10 cm of a soil layer and 1,28 g/cm³ cm³ in 0–10 cm of a soil layer which promotes the growth and development of the fiber flax.

Key words: soil, fiber flax, fertilizers, fertility, crop rotation.