DIRECT ACTION OF MINERAL FERTILIZERS AND OPTIMUM LEVEL OF THEIR APPLICATION IN CROP ROTATIONS DEPENDING ON SODDY-PODZOLIC SOILS FERTILITY IN THE WESTERN POLISSYA

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With long-term stationary field research in crop rotations in Ukrainian Western Polissya using methods of division of experimental plots and nitrogen ($^{15}$N) of fertilizer it was defined direct action of fertilizers on crop rotation productivity; were calculated coefficients of nitrogen fertilizer use by winter rye and determined the effect of fertilizer systems on some properties of sod-podzolic sandy loam soil. According to the results of 40-year monitoring of different fertilizer systems, the optimal timing of their use in crop rotations were recommended.

Keywords: fertilizers, nitrogen, direct action, operating ratios, efficiency of crop rotations, soil properties, monitoring.

References