



Bilan d'énergie, des nutrimentes et de la matiere organique en rotation de cultures cerealier

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The objective of this work is to analyze the influence of different tillage systems (conventional, minimized, reduced) and within them three fertilization treatments (fertilized, fertilized + remains after harvest and non-fertilized) during 5 years of cultivation (2001 - 2005) on energy balance; N, P, K balances; balance of organic matter in the soil. These parameters are designed to monitoring the productive and ecological sustainability of arable farming systems with cultivation of the agricultural crops (winter wheat, spring barley, maize for grain, pea + mustard and clover) in south - west part of Slovakia on haplic luvisol.