

Kinetics and Mechanism of Basic Phosphatase Action in Leached Chernozem (Black Soil)

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Abstract — Kinetics of sodium phenolphthalein phosphate enzyme catalyzed hydrolysis in leached soil, has been studied. It has been established that the action of the basic phosphatase of the soil may be explained by substrate inhibition mechanism. Kinetic and activation parameters of the reaction rate are determined. Determined in leached and carbonate chernozems phosphatase reaction parameters are compared.
