SOIL ACIDITY MANAGEMENT IN PRECISION AGRICULTURE SYSEMS

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In the classical theory of stochastic dynamic control systems pose and solve the problem of control of soil acidity in real time scale. The peculiarity of the problem is the application of the methodology and technology for precision agriculture, which allows to apply the results in practical agriculture.

Key words: soil liming, mathematical models of crop losses, dynamics of soil acidity indicators, medium risk, optimality criterion.