

A method for determining an application rate of mineral fertilizers includes application of nitrogen-containing fertilizers into soil. The fertilizers are applied at the beginning of the period of intensive consumption of the nitrogen by plants of farm crops at the stage of developing two leaves, and the application rate is determined depending on background content thereof in soil. While carrying a technological process of soil cultivation, the nitrogen content is determined, and it is measured by a method of general equivalent soil electroconductivity. To carry out the method, a side dresser is used. It comprises razor hoes, fertilizer tanks with dosers, executing mechanisms and regulating elements, in which, according to the invention, the cultivator is additionally completed with a sensor to control the nitrogen in soil as two plates of a current-conducting material, which are fixed by means of dielectric liners to two brackets, arranged in parallel, of the razor hoes of the adjacent sections, and an electric power supply, a measuring device, a booster and executing mechanisms of regulating shutters of the fertilizer tanks by means of automatic issuing of commands from the nitrogen control sensors onto the executing mechanisms of the regulating shutters.