

Combined Machine That Fertilizes Evenly under Plowing on Slopes and Planning an Experiment

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Abstract : The results of scientific research on a machine that pours an equal amount of mineral fertilizer under the soil to increase the productivity of grain in mountain farming and obtain quality grain are substantiated. The average yield of the crop depends on the nature of the distribution of fertilizers in the soil. Therefore, the study of effective energy-saving methods for the application of mineral fertilizers is the actual task of modern agriculture. Depending on the type and variety of plants in mountain farming, there is an optimal norm of mineral fertilizers. Applying an equal amount of fertilizer to the soil is one of the conditions that increase the efficiency of the field. One of the main agro-technical indicators of the work of mineral fertilizing machines is to ensure equal distribution of mineral fertilizers in the field. Taking into account the above-mentioned issues, a combined plough has been improved in our laboratory.

Keywords : combined plough, mineral fertilizers, sprinkle fluently, fertilizer rate, cereals

Conference Title : ICACP 2022 : International Conference on Agroengineering and Crop Production

Conference Location : Paris, France

Conference Dates : June 23-24, 2022