The Differential Fertilization Complex Effects on Apple Varieties Golden Delicious and Starkrimson on Two Soil Types Representative of Fruit-Growing Plots Reghin

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Abstract. Apple has a significant weight crops, it’s a predominant among species of fruit, because of apples role in the human nutrition and their nutritional value. Soil agrochemical control of fruit requires annually or even periodic analysis of soil and plant (leaves, fruits), which can cause in time establish not only of technological fertilization but also the control of the evolution of soil fertility. As technology fruit-growing level is more intensive, the agro-chemical control is more appropriate and useful for decisions of fertilization and correcting soil fertility. The objectives of fruit-growing production in general, even in pools established, combine at the actions and technological measures as harmonious level with the requirements of different species to the eco pedo-agrochemicals conditions. Apple as the main fruit-growing species have certain intrinsic features related to specific nutrition, technology but with certain specific and private requirements to vegetation and technological factors. Fertilization plays a major role in obtaining performance in apple production, proven as necessary in the fruit-growing plots Reghin. The aim of the paper research was to compare the differential fertilization complex effects on apple varieties Golden Delicious and Starkrimson on two soil type’s representative of fruit-growing plots Reghin through field experience and laboratory research. Our research has allowed as to elucidation of specific issues in this area with the capacity of application and extrapolation to similar production conditions. The results support the differential application of fertilizers in apple and the size effects can be alternatively call after a number of factors and conditions.

Keywords: apple, Golden Delicious, Starkrimson, fruit-growing, differential fertilization.

REFERENCES