

De productie en het financiële effect van Organic Green bij komkommer



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Summary

Currently there is an ongoing trend in the Surinamese agriculture – the need to grow crops in a sustainable (read: environmentally friendly) way; in a manner that the consumer deems the food as safe. Organically grown crops are incontestably healthier than the crops grown using chemically contagious and pesticides, as organically grown crops do not carry residues of synthetic compounds and/or toxins.

The main question within this study is “To what extent is the use of the organic foliar fertilizer Organic Green profitable?” This study has been carried out in order to gain more insight in the effect of the organic foliar fertilizer Organic Green as well as the costs and benefits associated with the application of this fertilizer. For this project the crop cucumber was chosen, because it is a crop that is part of the human diet, almost on a daily basis. The study was performed on the experimental garden at La Poule in the district of Saramacca; The test was conducted in a greenhouse and in the open field.

The objective of this study was to determine the production and financial impact of Organic Green in the cultivation of cucumber. Organic Green is an organic foliar fertilizer, that consists of a varied number of directly absorbable nutrient elements that are essential for the optimal growth and development of the crop. The fertilizer is refined in such a way, that the use of a hand or knapsack sprayer can be facilitated. High production can only be achieved by optimum and adequate fertilization with Organic Green. The field trial for example shows that fertilization with OG 'every other week' produces more output than fertilization 'without' OG and fertilization with OG 'every week'. Chapter 6 is a financial calculation showing that the plot in the open field is more profitable than those of the greenhouse.

The study further shows that in the cultivation of cucumbers in the open field a higher production could be noted compared to the cultivation in greenhouses. Between the plots themselves there were some differences in the production figures, but without significant differences.

A plot is the smallest of the units in which the test field is divided. All plants in a box, are part of one and the same object. Based on the results and conclusions, it may be noted that the cucumber

crops cultivated in the greenhouse, judging from their appearance, did far better than those of the open field. Further noting that the profit margin of the cucumber of the open field is twice as much as that of the greenhouse; the more production and lower costs in the open field has played a crucial role.