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Effects of Continuous Carnation 'Nora' Cropping f Years on the Physical and Chemical Properties of S Quality of Cut Flowers

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The carnation 'Nora' was continuously cropped under the same soi fertilization over 25 years in an isolated bed in order to investigate tl and chemical properties of the soil as well as the yield and quality o positive correlations between the years of continuous cropping and extractable nitrogen and Troug-phosphate in soil nutrients. There w between years of continuous cropping and the exchangeable magnes There was a positive correlation between the years of continuous c (the water and air ratio). There was a negative correlation between cropping and the solid ratio. There was no correlation between the cropping and the plant nutrients. During 25 years of continuous crop total yield of the first year was less than the yields after 11 and 17 y cropping. However, there was no significant difference in cut-flowe 25 years of continuous cropping. Moreover, 6 to 25 years of contin affect the quality of cut flowers. Thus, it has been indicated that long cropping in carnation cultivation is possible if the physical and chem can be maintained at a suitable level in soil sterilized by steam in an

Key Words: <u>injury by continuous cropping</u>, <u>plant nutrient</u>, <u>salt acc</u> <u>three phase distribution</u>

[PDF (633K)] [References]

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