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Horticultural Science

Influence of sodium humate on the yield and quality of green pepper

L. Varga, L. Ducsay

Hort. Sci. (Prague), 30 (2003): 116-120

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In greenhouse conditions a 3-year small-plot experiment was conducted on loamy Chernozem originating from the humus horizon to investigate the effect of sodium humate application on yield, nitrate content and vitamin C content in green pepper fruits. The application of 5 kg of sodium humate per hectare in the form of watering 3 weeks after planting of pepper

seedlings under full NPK nutrition (N nutrition was divided as follows: 2/3 of total N before planting and 1/3 of total N together with sodium humate 3 weeks after planting) resulted in a statistically significant increase in pepper yield by 13.6% at a concomitant significant reduction of nitrate content in pepper fruits by 12% and increase in vitamin C content by 28.6%.

Keywords:

sodium humate; green pepper; vitamin C; nutrition

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