

THE INFLUENCE OF FERTILIZATION ABOUT LYCOPENE CONTENT IN TOMATOES

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ABSTRACT

In this paper was to evaluate the fertilization influence about lycopene content in two sorts of tomatoes cultivated in field conditions, in Romanian west area.

The experience was done in a cambic cernosium soil, with low acidity reaction and the high natural fertility potential favorable vegetables cultivation.

The study was performed on control soil samples (without fertilizers) and soil samples after differentiated NPK fertilization in variable doses: N₃₀P₃₀K₃₀, N₄₅P₄₅K₄₅, N₆₀P₆₀K₆₀, N₁₂₀P₆₀K₆₀. The fertilization doses and the application methods in tomatoes fertilization were to determine in correlations between agro chemistry factors.

A field experiment was using tomatoes samples in different precocity steady: early (Export II) and middle tardy (Ace Royal).

Keywords: lycopene, tomatoes, precocity steady, field, mineral fertilization

In aceasta lucrare s-a urmarit influenta ingrasamintelor asupra continutului de licopen in doua soiuri de tomate cultivate in conditii de camp, in zona de vest a Romaniei.

Tipul de sol pe care s-a amplasat experienta este un cernoziom cambic, sol cu reactie usor acida, cu un bun potential de fertilitate favorabil culturii legumicole.

Cercetarile s-au efectuat pe un sol nefertilizat, precum si in conditii de fertilizare diferentiaza cu NPK in urmatoarele doze: N₃₀P₃₀K₃₀, N₄₅P₄₅K₄₅, N₆₀P₆₀K₆₀, N₁₂₀P₆₀K₆₀. Dozele de ingrasaminte si metodele de aplicare pentru ingrasarea legumelor din grupa solano-fructuoaselor se stabilesc conform cu cerintele fata de factorii agrochimici.

In analize s-au folosit tomate in diferite stadii de precocitate: timpuriu (Export II) si semitarziu (Ace Royal)