

## Effects of Eggplant Rootstocks on the Growth and Development of Grafted Tomato

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### Abstract

To study the effects of eggplant rootstocks on the growth and development of grafted tomatoes, two commercial tomato varieties cv. 'Know-You 301' and 'Santa' were grafted onto 20 eggplant rootstocks in 1995-1996. The poor growth of grafted tomato cv. 'Santa' on 'TS41' eggplant resulted in early death of the plant. However, most of the grafted tomatoes had higher growth vigor and early yield in comparison to the ungraft plants. The symptom of Ca deficiency was observed on fruits of some grafted plants, but no off taste was found on fruits from grafted plants of using eggplant rootstocks. Experimental results suggested that *Solanum torvum* and 'VF(F1)' can be used as rootstocks to tomato cv. 'Known-You 301' and 'VF(F1)' for cv. 'Santa'.

Key words : eggplant rootstock, tomato, growth and development after grafted , yield and quality

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