

RESEARCH ARTICLE

Studies on anther culture in tomato

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SUMMARY

Anther or pollen culture have been used in mutation and F_1 hybrid breeding programme in many plant species. In order to get haploid plants, three tomato varieties were used in this study. Anther were removed from 2-4 mm, 5-6 mm and 8-10 mm length tomato flowers. Two different nutrient media were investigated to get callus. N_6 medium + 2 mg / LNAA + 1 mg/ L Kinetin was most efficient medium for anther callus growth. Calluses were subcultured but calli did not show any response for further callus growth and haploid plantlets were not obtained.

Key Words : Anther culture, Callus formation, Tomato

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