제식밀도간에는 50 × 20 cm (10 주/m²)에서 어느 과종기에서나 최고수난을 보였다. 따라서 만공 포리에치엘 필립 멜침제배에서 과종적기는 의기정균기온이 12 ℃, 전후인 4월 10일 이전이고 적정제식밀도는 m²당 10 주 (50 × 20 cm) 라 본다.

8. 수량구성요소중 수량을 가장 크게 차별하는 요소는 혼합비율과 m²당 결현수였고 이들의 수량구성기여율은 각각 52.8%와 25.8% 였다.


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This study was to examine the possibility of clonal propagation of stevia through tissue culture. The results are as follows.

a) Explants surface-sterilized by washing in 70 % ethanol for 10 sec, and in 10 % sodiumhypochlorite for 10 min, or in 5 % sodiumhypochlorite for 20 min, showed the rate of 70 % sterilization.
b) Growth in clonal propagation through stevia culture showed different responses in combination treatment of NAA and kinetin. Callus formation from explant over 0.5 mg/l NAA plot increased by increasing kinetin concentration. Especially in 5 mg/l and 10 mg/l kinetin, the variation of plants from explants showed short node, 1) arrow leaf and many leaves anod.

c) The growth of donal plants in 1×MS salt formulation was promoted compared with 1/2×MS salt formulation treatment.

d) After 3 weeks, rooting initiation in 1/2×MS salt formulation was apparently promoted compared with 1×MS salt formulation plots in all treatments, 0.5 mg/l and 1 mg/l kinetin. But in 1 mg/l NAA plus 0.5 mg/l kinetin of 1×MS salt formulation medium, the rate of rooting initiation showed 90% and in 0.5 mg/l NAA plus 0.5 mg/l kinetin of 1/2 × salt formulation medium, also 90%.