

## Examination For Study The Best Condition For Acclimatization Of *In Vitro* Mulberry Plantlets.

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This research were carried out in order to study the best conditions for acclimatization of in vitro **Mulberry** variety *Ichinose* belong to *Morus alba L.* . Plantlets were obtained from micropropagation with single node culture technique on modified MS medium basal 0.6% Agar and 3% fructose and 1 mg l<sup>-1</sup> BA (Multiplication phase). Then after 3 weeks new shoots and buds were subcultured on the same medium without hormon for growth and development of shoots and roots. 4 and 5 treatments were used in the acclimatization plan. Experiment were carried out 8 to 10 times with the use of randomized completely block design. Results were compared with Dncan test after 1 month of transplanting. Growth indexes were: leaf number, internode number and stem length. Results indicate that Iran's peat and garden soil treatments were competitive <sup>c</sup> compared with the Dutch peat moss after sterilization in Oven with 60° for 2 hours.

Environmental conditions were:

3500 lux white light with photoperiode, 16 hours light and 27 to 30 °C in day time and 23 to 25° at night.

Mentioned treatments have shown significant differences with pine soil and leaf soil.