

**Efeitos de espaçamentos e anos de produção de
fôlhas em duas variedades de amoreira, obtidas
por enxertia e estacas tratadas com ácido
beta-Indolacético e cultivadas no
sistema de tuste.**

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SUMMARY

In the present paper, the results of experiments on mulberry tree leaf production are presented. Two varieties, namely "Catania I" and "Calabreza" cultivated in stalk system and with spacements of 2.50m x 2.00m, 2.50m x 2.50m, and 2.50m x 3.00m were studied.

The experiments were carried out at the Instituto Agronômico Experimental Station, in Jundiaí, São Paulo, and consisted of split-plot planning with 4 repetitions and 9 treatments. Two assays with Catania I, one with graftings and another with rooted stalks grown in greenhouses in inverted position and treated with a synthetic plant hormone (beta-indolacetic acid), were carried out.

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The results of this four years experiment were separately analysed, and a fifth statistical analyses on the whole was made.

The following conclusions were drawn:

1) There was no significant difference among spacings.
2) There were highly significant differences among varieties:
a) Catania (grafted) revealed to be superior to the others; b) significant minimum difference (Tukey) choosing two averages at random, was 3.12.

3) Interaction variety x spacing was not significant.

4) There was a highly significant difference among years.

5) Interaction varieties x years was significant. a) quadratic and cubic components were highly significant concerning Catania variety, b) quadratic and cubic components were highly significant concerning Calabreza variety, being significant concerning stalks Catania variety.

6) Interaction spacings x years was not significant.

The authors recommend to cultivate grafted Catania variety, which shows the best leaf production with spacing of 2.50m x 2.50m, due to the following reasons: a) with less trees per hectare, the leaf production will be the same as if they were cultivated in a 2.50m x 2.00m spacing; b) it will waste in the mulberry tree grove plantation, in clearing the fields from weeds, and in caring the development of the little plants; c) cheaper manuring; etc.