

The Cultivation and Propagation Research of Caladium

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Abstract

Growth of caladium (*Caladium hortulanum*) plant in low light intensity by 80% shading with black PE screen caused more stretchable petioles and large-sized leaves than growth in 40% shady condition. Significant difference of horticultural traits of cultivars were also found under different grades in light intensity.

Caladiums are tropical plant propagated mostly by tubers. Significant difference of chemicals and tuber pieces cutted were found under different source of treatments. Large tuber pieces caused shorter days to foliation, higher in plant, more shoots, and larger-sized leaves. Mancozeb (80% WP) applied to propagative tuber pieces resulted in more shoots than benomyl (50% WP) used.

Tubers removed center bud produce more shoots and large leaf size than tubers planted intact and also sprout fastly.

Key words: Caladium, Tuber, Cultivation, Propagation.

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