

## Light and temperature influence on seed germination of *Calliandra fasciculata* Benth. (Leguminosae)

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### ABSTRACT

The goal of this study was to verify the influence of light and temperature in the germination of seeds of *Calliandra fasciculata* (Leguminosae). Seeds were subjected to germination tests at the temperatures of 15, 25 and 35°C under 12h-photoperiod and continuous dark for 30 days. Germination did not differ between the light and dark treatments at all temperatures tested ( $p > 0,05$ ). The temperatures of 25 and 35°C promoted higher germinability ( $F = 19,31$ ;  $p < 0,001$ ) when compared with the temperature of 15°C. The mean time of germination was not influenced by photoperiod but was higher at 15°C. High germinability values ( $> 70\%$ ) indicate lack of physical dormancy caused by tegument impermeability.

**Keywords:** Leguminosae, rupestrian fields, seed germination, Serra do Cipó.