

# Summary

Because of its agronomic characteristics, the legume *Calopogonium mucunoides* Desv. is an important pasture forage in the Brazilian Amazon region. Seeds

play an important role in supplying new cultivated pastures. However, seed germination in the field is affected by a series of soil-related environmental factors. Therefore, the effects of soil pH, aluminum content, and salinity on the germination of *C. mucunoides* seed was studied. The results showed that soil pH (when ranging from 3.0 to 11.0) had no effect on seed germination. Soil aluminum at a concentration of 2.0 meq/100 ml reduced seed germination by 6% compared with the check, but no significant effects were observed for concentrations below 2.0 meq/100 ml. The relationship between salinity and seed germination was quadratic, the effects of salinity being more notorious with concentrations above 75 mM NaCl.