

# Summary

For the purpose of examining the forage production potential of *Cratylia floribunda* in a Latosol at the Centro de Pesquisa de Gado de Leite (Minas Gerais, Brazil) a growth curve and the PC accumulation were determined for this legume. At the time of planting, 2 t/ha of dolomitic lime, 44 kg/ha of P, 50 kg/ha of K, and 0.5 kg/ha of sodium molybdate were applied. After 10 cuts carried out every 21 days, *C. floribunda* showed a growth curve:

$$Y = 74.47 - 6.54X + 0.147X^2 - 4.467 \times 10^{-4}X^3$$

for dry matter accumulation; and

$$Y = 8.41 - 0.0861X + 2.87 \times 10^{-4}X^2$$

for nitrogen content. Maximum dry matter production was obtained at 189 days (14.3 t/ha), with 20% CP.