

*Lotus tenuis*: regenerative strategies on natural grazing .

G.M. Tourn and G.G. Roitman

SUMMARY

A morphological and architectural study of regenerative strategies was made on a herbaceous species of *Fabaceae*, *Lotus tenuis* Wald. et Kit (narrow birds-foot trefoil) growing in a natural grazing of Flooding Pampa. This species is a perennial widespread pasture legume with sympodial and modular growth. We compared and discussed the architectural model, reiterations and 2 different regenerative strategies (rhizomes and seeds). The orthotropic branches, by internode increases, during the growing season, changes the orientation; it was plagiotropic at the base to orthotropic. Some of this branches, produces adventitious roots, at nodes, become in a adaptive reiteration. After seed dispersion, cesation of the meristematic activity occurs. The orthotropic vegetative aerial shoots (reiterations) grow out from the axillary buds of the rhizomes, in the next growing season.

Keys words: architecture, branching, *Fabaceae*, forage legumes, *Lotus tenuis*, narrow birds-foot trefoil, regenerative strategies, reiterations , rhizome.