

Influence of *Rabi* Legumes and Nitrogen Levels on Growth and Yield of Summer Maize

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ABSTRACT

A field experiment was conducted for two years in *rabi* and summer seasons of 2011-12 and 2012-13 on sandy clay loam soils of Agricultural College Farm, Bapatla to study the nitrogen requirement of maize when preceded by *rabi* legumes in a legume-maize sequence. Among the *rabi* legumes, greengram performed well and maize responded to nitrogen levels till 300 kg N ha⁻¹. Total system productivity in terms of maize equivalent yields (MEY) in legume-maize sequence was more in greengram –maize sequence.

Key words : Maize, *Rabi* legumes, Maize equivalent yield, Nitrogen levels.