

EFFECT OF *LEUCAENA LEUCOCEPHALA* ON GROWTH RESPONSE OF INTER CROPS

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Received December 15, 2007 and Accepted February 2, 2008

ABSTRACT:The experiment was conducted on Research farm of the Department of Agro-forestry, at AAI-DU to study the effect of *Leucaena leucocephala* under Agroforestry system during 2004-2005. The design used was 3x3 factorial RBD with three replication and 9 treatments. The experiment was in light of the observations keeping in view the stimulatory or pruning effect of *Leucaena leucocephala* on the crop (*Cicer arietinum* L., *Pisum sativum* L. and *Lens culinaris* M.). The data were recorded for the intercrops on plant height. The perusal data revealed that plant height were higher under sole crop followed by 50% pruned trees + crop followed by Tree+crop over all other treatment used.

Key Words : Pruning, *Leucaena leucocephala*, *Cicer arietinum* L., *Pisum sativum* L. and *Lens culinaris* M.