

EVALUATION OF OPTIMUM PLANT DENSITIES OF BEAN  
AND CAPSICUM INTERCROPPING SYSTEM

By

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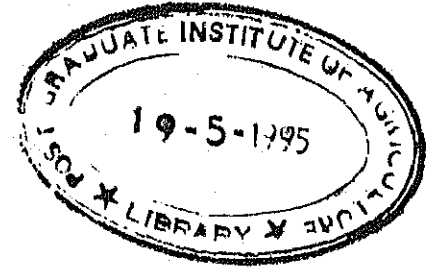
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**ABSTRACT**

An experiment was conducted at two locations in 1990 Maha season in the Matala district to estimate the optimum plant spacing of bean and capsicum as an inter cropping system.

A three - Way Paralled Row Design was used to estimate the optimum spacing factors namely inter row and intra row of bean and capsicum in the intercropping system.

Based on the results of the preliminary ANOVA, a multiple regression analysis was done to estimate the optimum levels of each spacing factors.

According to the experimental results the estimated optimum inter row spacing was 40 cm while intra row spacing for capsicum and bean were 40 cm and 16 cm respectively.

However, a few spacings based on the estimated optimum has to be tested using Conventional Block Designs before recommendations are made.