

SOIL MOISTURE AND PLANTING DISTANCE AS FACTORS  
// AFFECTING GROWTH AND YIELD OF TWO MUNGBEAN  
[Vigna radiata (L.) Wilzcek] VARIETIES  
UNDER ORCHARD-BASED CROPPING SYSTEM

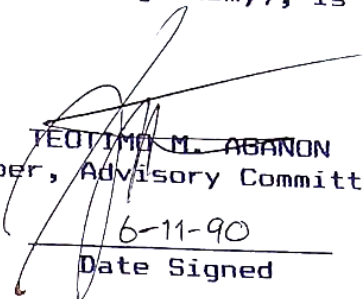
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Submitted to the Faculty of the Institute of Graduate Studies,  
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requirements for the degree of

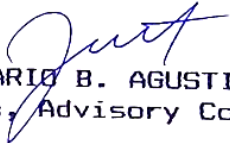
MASTER OF SCIENCE IN CROP SCIENCE  
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This thesis entitled, SOIL MOISTURE AND PLANTING DISTANCE AS FACTORS AFFECTING GROWTH AND YIELD OF TWO MUNGBEAN [*Vigna radiata* (L.) Wilzcek] VARIETIES UNDER ORCHARD-BASED CROPPING SYSTEM, prepared and submitted by SEREE CHAIYAPANTU in partial fulfillment of the requirements for the degree of MASTER OF SCIENCE (Crop Science - Agronomy), is hereby accepted.

  
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## ABSTRACT

CHAIYAPANTU, SEREE, Institute of Graduate Studies,  
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DISTANCE AS FACTORS AFFECTING GROWTH AND YIELD OF TWO  
MUNGBEAN [Vigna radiata (L.) Wilczek] VARIETIES UNDER  
ORCHARD-BASED CROPPING SYSTEM.

Adviser: Mario B. Agustin

The study was conducted under an orchard-based cropping system in a 7-year cashew plantation. It had the following objectives: a) to compare the performance of the two mungbean varieties, i.e. Patig and Taiwan Green under orchard-based condition; b) to evaluate the agronomic and yield characteristics of these mungbean varieties as affected by soil moisture content; c) to determine the performance of mungbean at different planting distances under orchard-based condition; and d) to find out the interaction effects of soil moisture content and planting distance of two varieties of mungbean planted under orchard-based condition.

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