

**RESPONSE OF HEAD LETTUCE TO DIFFERENT
LEVELS OF NITROGEN FERTILIZER**

Undergraduate Thesis
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In partial fulfillment
of the requirements for the degree of
Bachelor of Science in Agriculture
(Major in Horticulture)



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ABSTRACT

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The study was conducted at The Farmers Training Center to determine the response of head lettuce to chicken manure and levels of nitrogen fertilizer (ammonium sulphate) in a 63 m² area.

The experiment was laid out in Completely Randomized Design (CRD) with five treatments and four replications. Experimental pots were arranged at the distance of 12 inches x 12 inches. Three plants per treatment were evaluated in the experiment. Number of days from transplanting to heading, maturity, growth rate, and yield were the parameters evaluated.

The five treatments did not vary significantly in terms of days from transplanting to heading, and growth rate. The treatments varied significantly in terms of yield. As the level of N increases from 10 g to 20 g per plot, there was correspondingly decrease in yield. Higher N level resulted to darker color of the foliage and was detrimental to some head lettuce.

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