

Cultural management manipulation for baby corn (*Zea mays* Linn) production. I. Effects of variety and organic manure on the growth and yield of baby corn

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ABSTRACT

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The percentage organic matter and total N and Olsen P in the soil were significantly increased with 120-180 kg N ha⁻¹ organic matter manure application.

The application of organic manure at increasing rates (60-180 kg N ha⁻¹) shortened the days to tassel, silk, and harvest of baby corn; increased the leaf area index (LAI), crop growth rate (CGR), net assimilation rate (NAR) and herbage yield; and improved the yield components which markedly increased the baby corn yield. The highest marketable and total yield of baby corn were attained by Pioneer 3014 at 180 kg N ha⁻¹ and by VM2 and Davaonon at 120 kg N ha⁻¹ of organic manure application.

Keywords: baby corn, organic manure, hybrid corn, open pollinated corn

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