



Research Paper

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Effect of drip fertigation on growth of guava (*Psidium guajava* L.)

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ABSTRACT : The study was conducted in the experimental farm, Department of Horticulture, Assam Agricultural University, Jorhat, during 2009-2010 to analyze the effect of drip fertigation on growth of guava (*Psidium guajava* L.). Experiment was laid out in Split – Split – Plot Design with three replications comprised of twenty four treatments thus total 24X3=72 plots each having 1 plant with the spacing of 6 m x 6 m. Study concluded that the growth parameters were significantly influenced by varieties, drip level and fertigation level. The increments in plant height (28.00cm), plant girth (3.34 cm) were observed in T₁₇ (V₂D₂F₁). The highest plant canopy (38.86 cm) was recorded in T₅ (V₁D₂F₁). Considering the positive effect on growth, T₁₇ (V₂D₂F₁) is considered to be the best, but from economic point of view T₁₉ (V₂D₂F₃) is preferable.

KEY WORDS : Drip fertigation, Growth parameters, Guava

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