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Influence of trickle fertigation on growth and physiological attributes of hybrid okra [*Abelmoschus esculentus* (L.) Moench]

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ABSTRACT : An experiment was conducted to compare the effect of conventional fertilisers and water soluble fertilisers at varying frequency interval of application on growth and physiological attributes of okra [*Abelmoschus esculentus* (L.) Moench]. The experiment was laid out in a Randomised Block Design with two control involving ten treatments in a factorial way and was replicated thrice. Among the treatment combinations, the plot receiving daily fertigation of water soluble fertilisers (S_1F_1) had recorded the maximum plant height at final harvest (136.80 cm), shortest inter nodal length (4.46 cm), maximum leaf area index (2.04) and the highest dry matter production (8.23 t ha^{-1}). However, no significant difference could be observed for days to flowering, number of primary branches $plant^{-1}$ at flowering as well as final harvest and node of first flower appearance.

KEY WORDS : Fertigation, Drip irrigation, Water soluble fertilisers, Conventional fertilisers, Fertigation frequency

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