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# Influence of trickle fertigation on yield and quality of hybrid okra [*Abelmoschus esculentus* (L.) Moench]

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**ABSTRACT :** An experiment was conducted to compare the effect of conventional fertilizers and water soluble fertilizers at varying frequency interval of application on yield, quality and nutrient uptake of okra [*Abelmoschus esculentus* (L.) Moench]. The experiment was laid out in a Randomized 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 fertilizers ( $S_1F_1$ ) had recorded the maximum fruit length (18.27 cm), fruit girth (7.26 cm), fruit weight (33.35 g), number of fruits plant<sup>-1</sup> (43.40), yield plant<sup>-1</sup> (808.82 g) and yield hectare<sup>-1</sup> (23.25 t ha<sup>-1</sup>) with minimum crude fibre content (13.25 %).

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

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