

**GROWTH AND YIELD OF OKRA UNDER FOLIAR
APPLICATION OF SOME NEW MULTINUTRIENT
FERTILIZER PRODUCTS**

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ABSTRACT

Foliar fertilization successfully supplements plant nutrition, in integration with soil applied chemical fertilizers, under adverse soil, plant and environmental conditions. A field study was conducted to evaluate the growth and yield response of okra to three newly introduced foliar fertilizer products, viz. Super-dawn, Agri-power and Unigrow-C, either alone or integrated with soil applied recommended nitrogen and phosphorus. The results endorsed the benefits of foliar fertilization of crops by witnessing the improved growth traits of okra plants, viz. days to flowering, plant height, number of branches plant⁻¹, number of fruits plant⁻¹ and fruit length, coupled with the better crop yield of okra by the integration of all three foliar fertilizers with the recommended soil applied chemical fertilizers. Okra yield was significantly ($p < 0.01$) correlated with all the above stated plant growth traits of okra. The regular testing of such effective foliar fertilizers and their use, after extensive controlled condition and field scale studies, is recommended for sustainable okra production.

Keywords: Okra, growth, yield, foliar fertilization.