

Research Article

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# Influence of amino acid formulation on okra and brinjal

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## Summary

Amino acids form the building blocks of protein, the basic component of every living cell and are well known to increase the yield and overall quality of crops. In this context, the product amino acid formulation with 10 per cent free amino acids manufactured by Trade Corporation International, Spain and supplied by M/s. Mahamaya Life Sciences Ltd., New Delhi was evaluated to study its influence on growth, yield, quality parameters and uptake of nutrients by the crops, okra and brinjal. The field experiment on okra was conducted at farmer's field at Poosaripalayam, Coimbatore and that with brinjal was conducted in farmer's field at Urmandampalayam, Coimbatore. Amino acid formulation with 10 per cent free amino acid was tried at two doses, @ 2.0 l ha<sup>-1</sup> x 4 sprays at flowering and @ 4.0 l ha<sup>-1</sup> x 2 sprays at flowering. In okra, the treatment T<sub>1</sub>, amino acid formulation at 2.0 l ha<sup>-1</sup> (4 times spray) recorded the maximum pod yield of 12.9 t ha<sup>-1</sup> and registered an increase of 24.8 per cent over control. In brinjal, the treatment T<sub>2</sub>, amino acid formulation at 4.0 l ha<sup>-1</sup> (2 times spray) recorded the maximum fruit yield of 47.4 t ha<sup>-1</sup> and registered an increase of 19.7 per cent over control. The available NPK status of post harvest soil was lower in the treatments with amino acid formulation due to enhanced crop removal.

**Key words :** Amino acids, okra, brinjal, yield, quality parameters

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