

## EFFECT OF FISH AMINO ACID ON YIELD OF RADISH

(*Raphanus sativus* L.)

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### Abstract

Fish Amino Acid (FAA) is an organic fertilizer that promotes plant growth and enhances soil fertility and microbial activity. An experiment was carried out at Palachchola, Eastern University, Sri Lanka to study the effects of different concentrations of FAA as a foliar application on radish yield. The experiment was conducted using a completely randomized design (CRD) with six treatments and thirty replications. The treatments were; field soil with no fertilizer (T1), field soil with recommended inorganic fertilizer (T2), field soil with 10 tons/ha compost (T3), field soil and 10 tons/ha compost with 0.5% FAA (T4), 1.0 % FAA (T5) and 1.5 % FAA (T6) sprayed 1<sup>st</sup>, 3<sup>rd</sup> and 5<sup>th</sup> week after planting. Results revealed that the application of FAA had significant differences ( $p < 0.05$ ) in yield per plant. Among the tested treatments radish yield was high in T6 and low in T1. The present study concludes that among the tested treatments, 10 tons/ha compost with 1.5% FAA would be the most suitable concentration to enhance radish yield. As it is one of the eco-friendly soil enhancers, this can be used to increase the radish yield while maintaining sustainability.

**Keywords:** Compost, Fish amino acid, Foliar application, Growth, Yield

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