



## Effect of seaweed extract on growth, yield and quality of sugarcane

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**Abstract :** A field experiment was conducted in Suru season at Vasantdada Sugar Institute research farm during 2009-10 to study the effect of seaweed extract on growth, yield and quality of sugarcane. Experiment was designed in randomized block design with seven treatments where seaweed extract was applied in soil as well as sprayed on leaves @ of 500, 1000 and 1500 g ha<sup>-1</sup>. The results showed that application of seaweed extract @ 1500 g ha<sup>-1</sup> through soil application alongwith recommended dose of fertilizer increased cane yield by 14.1 % and sugar yield by 23.1%. The juice quality was not affected either by soil as well as foliar application of seaweed extract. The effectiveness of seaweed for promoting tillering and growth alongwith nutrition may be resulted in increased cane yield and sugar yield.

**Key Words :** Seaweed extract, Sugarcane, Yield, Quality

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