

Foliar application of seaweed extracts as a means for enhancing the yield and safety of *Triticum aestivum*

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ABSTRACT:

There is a great contamination of water, soil, air, soil erosion, pest resistance and extensive use of chemical fertilizers cause a turn to induce agriculture for producing safe and clean products. For this purpose, by using natural materials like algae on the beach, organic and environmentally friendly fertilizer was prepared. In this investigation effect of Seaweed Liquid Fertilizer (SLF) of *Ulva fasciata* at concentrations of 0%, 2.5%, 5%, 7.5% and 10% on some parameters of wheat (*Triticum aestivum* var. *chamran*) has been investigated. Based on the results, above algae can be used as a food supplement solution in the form of foliar spray at 2.5% concentration with a significant increase in morphological and biochemical indices.

Keywords:

Seaweed, *Triticum aestivum*, *Ulva fasciata*, Fertilizer.