



**Title:** The impact of treated wastewater on the behavior of common wheat.

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**Abstract:**

Our objective is to monitor the behavior of common wheat on a morph-physiological and agronomic scale in relation to treated wastewater.

We also evaluated the treated wastewater using physicochemical methods and experimented with two commonly used wheat strains (*Triticum aestivum* L), HD1220 and ARZ.

Sowing was carried out and two irrigation methods were selected: one that utilized treated wastewater from the Sedrata STEP (Souk Ahras) and the other that used rainwater as a reference.

The tests examined soil and soft wheat parameters, and our results suggest that the development, physiological, and yield characteristics of soft wheat are favorable for use in these waters.

**Keywords:** soft wheat; purified waste water; irrigation; morph-physiological parameters, environment; agronomic.