

## **IMPACT OF REUSING SUGAR MILL WASTEWATER FOR IRRIGATION ON DIFFERENT SOILS**

**THIPPESWAMY H. N. AND MANJUNATH N. T.**

### **Abstract**

Properly planned use of industrial effluents alleviates surface water pollution problems and not only conserves valuable water resources but also takes advantage of the nutrient contained in the effluents to grow crops. The results of the present study revealed the suitability of soils namely gravelly, clayey and silty for growing Radish and Palak reusing sugar mill wastewater as a water source. Better yield of Radish compared to Palak grown in all the soils have been observed, Further the growth characteristics of crops confirmed that the gravelly soil is better suited for irrigation with sugar mill wastewater compared to other two soils. The type of soil and crops grown were found to have no influence on the accumulation of nutrients, organic carbon, exchangeable sodium and pH in soils.

---

**Keywords** : Sugar mill effluent, Radish, Palak, growth characteristics, nutrients.