



Available zinc and manganese status and their relationship with soil physico-chemical properties and its content in wheat crop of internal drainage dry zone of Rajasthan

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Abstract : Seventy surface soil and wheat plant samples were collected from seventy village of Sri Madhopur tehsil of Siker district (Rajasthan) India. The soils were analysed for textural, separates, physic-chemical properties and status of available zinc and manganese. Grain and straw of wheat plant were separately analysed for determination zinc and manganese content. The majority of soils were found sandy in nature and their textural classes are sandy, loamy sand and sandy loam. Soils of the study area were found slightly calcareous in nature. Soils of study area have low organic carbon and cation exchange capacity. On the basis of pH_2 and EC_2 values, these soils were found slightly alkaline in nature. Majority of soils under study were found deficient in zinc and adequate available in manganese. The availability of zinc and manganese in soil significantly influenced by soil properties like textural separate, organic carbon, $CaCO_3$, CEC and pH_2 soils.

Key Words : Available zinc, Available manganese status, Physico-chemical properties of soil, Wheat crop

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