

PHYSICO-CHEMICAL CHARACTERISTICS OF SALINE SOIL UNDER WHEAT AS INFLUENCED BY GYPSUM, RICE-HULL AND DIFFERENT SALINITY LEVELS

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ABSTRACT

A pot experiment was conducted on saline soil of Sonagazi, Bangladesh to determine the effect of different levels of salinity, gypsum and rice-hull on soil properties under wheat culture. p^H value of soil slightly increase with the increase of salinity. EC value of soil significantly ($p \leq 0.05$) increased with application of saline water but decreased with the application of gypsum and rice hull alone or in combination. Available nitrogen content 16.18% and phosphorous content 19.23% increased in soil at maturity stage with increase level of salinity, but available sulfur content 18.33% decrease with the increase level of salinity as compared with control.

KEYWORDS: Wheat, Gypsum, Rice-Hull, Salinity, Physico-Chemical Characteristics of Soil