

Effects of humic acid on nitrogen contents of wheat plant

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This study was conducted on greenhouse conditions. The trial was conducted in 60 pots with an experimental design of 1x4x5 factorial, one plant (wheat), and four humic acid doses (0, 2, 4 and 8 lit da-1). Each treatment was five replicate. Plant and soil samples were taken at the end of the growing period. Plant and soil nitrogen contents and plant grain were determined. The results obtained have shown that plant nitrogen contents significantly affected the wheat plant growing and soil conditions. The highest wheat nitrogen contents were obtained at 4.00 lit da-1 humic acid application doses. But the highest available soil nitrogen contents were obtained at 8.00 lit da-1 humic acid application doses. The lowest plant nitrogen contents were obtained in control group. Positive correlations were determined between the humic acid and wheat plant nitrogen contents and dry matter. Especially, optimum wheat nitrogen contents were obtained at 2.80 lit da-1 humic acid application dose to the other applications.

Biography

Metin Turan has completed his PhD in Soil Science at Ataturk University. He is currently working as a Full Professor in Genetics and Bioengineering department at Yeditepe University. He has published more than 100 papers in reputed journals and has been serving as an Editorial Board Member of reputed.

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