



## **Effect of compost made of urban on corn yield and yield component**

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In order to study composition of compost made of urban and its effects on yield and yield components of corn an experiment was conducted with 5 treatments and 3 replicates, using a completely randomized design .in Jiroft area, research green house Islamic Azad usiversity of Jiroft and properties such as plant height, dry weight of leaf, stem, corn node and corn sheath, dry weight of cob, ear and grain yield.weremeasured macro and micro element and heavy metal concentration in soil and shoot of the plant were determined separately. Results indicated the concentration on of Na, Cl, Ca, Mg and organic matter increased with compost rates increase.The comparison of control soil with and without compost revealed a positive effect of compost on plant height, dry weight of leaf, stem, corn node and corn sheath, dry weight of cob, ear and grain yield.Probably, Due to increase in organic matter content and availability of nutrient in soil and soil physical improvement.

**Keyword:** Compost, yield, yield component, corn