

# **Effect of Waterlogging on Yield and Yield Components in Maize Hybrids**

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## **ABSTRACT**

A field experiment was conducted at Agricultural College Farm, Bapatla during *kharif* 2014-15 to study the effect of waterlogging on yield and yield components in eight maize hybrids. The results revealed that waterlogging for six days decreased the yield and yield attributes. Waterlogging for six days decreased the cob length, cob weight, 100 seed weight, number of kernels per row, cob yield and kernel yield by 24.21, 37.98, 3.48, 29.99, 55.26 and 48.26 per cent respectively, over control. The cob girth and number of kernel rows per cob were not much influenced by waterlogging. Among the hybrids, Lakshmi-2277 maintained higher yield and its attributes followed by Bharati-99 and SY-280 where as CN-117 showed lower values of all the parameters. Hence Lakshmi-2277 followed by Bharati-99 and SY-280 are considered to possess waterlogging tolerance among the eight hybrids studied in the experiment.

**Key words :** Cob, Hybrids, Kernel, Maize, Waterlogging, Yield.