



## Effect of Water-Logging on Morphological Parameters and Yield in Maize Hybrids

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**Abstract:** Water-logging for six days decreased the plant height and number of leaves by 15.92 and 15.07%, respectively over control on 46th days of sowing (DAS) and 16.88 and 18.50% on 90th DAS (*i.e.* 10 days after relieving water-logging stress). Anthesis Silking Interval (ASI) and nodes bearing adventitious roots (NBAR) were increased by 21.37 and 50.62% on 46th DAS, respectively over control. Water logging decreased the kernel yield by 48.26% over control. Lakshmi-2277 recorded higher plant height number of leaves and nodes bearing adventitious roots and lower ASI apart from higher yield followed by Bharati-99, whereas, CN-117 recorded lower values of all the above parameters.

**Key Words:** ASI, NBAR, Maize hybrids, Number of leaves, Plant height, Water-logging

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