

Effect of fluoride toxicity on the growth and yield of wheat (*Triticum aestivum* L.)

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SUMMARY

The effect of fluoride toxicity has been studied on growth and yield characters *i.e.* plant height (cm)/plant, number of tillers/plant, leaves/plant, leaf area (sq.cm.)/plant, fresh weight (g)/plant, dry weight (g)/plant, number of ears/plant, yield of seeds/m² and 1000 seeds weight (g) of wheat (*Triticum aestivum* L.) cv. HD. 2009 and cv. PBW-226. The experiment was conducted for two years in simple Randomized Block Design at C.C.R. (P.G.) College, Muzaffarnagar. Five treatments of NaF such as 10, 25, 50, 100 and 200 ppm along with control for four replications were taken. The results were recorded on an average basis taking three plants for each treatment in each block. The reduction in all characters in treated plants was found in higher concentrations *i.e.* 100 and 200 ppm. NaF in wheat (*Triticum aestivum* L.) in comparison to control 10 ppm showed threshold limit in few characters studied.

Key Words : Growth, Yield, NaF, Fluoride toxicity, Wheat CV.HD-2009, PBW-226

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