

Effect of fluoride toxicity on sterility behaviour of wheat (*Triticum aestivum* L.)

■ TRIVENDER KUMAR, T.S. DHAKA¹ AND K.P. SINGH ARYA²

AUTHORS' INFO

Associated Co-author :

¹Department of Botany, D.A.V.
(P.G.) College, MUZAFFARNAGAR
(U.P.) INDIA

²Raja Maharana Pratap (P.G.)
College, Gurukul Narsan, HARDWAR
(UTTARAKHAND) INDIA

Author for correspondence :

TRIVENDER KUMAR
Department of Botany, S.V. University,
Gajraula, AMROHA (U.P.) INDIA

ABSTRACT : Four varieties of wheat WH-711, HD-2932, PBW-502 and DBW-17 were tried for pollen and ovule sterility behavior. The five concentrations of NaF 10, 25, 50, 100 and 200 ppm were sprayed fortnightly on wheat plants upto maturity. Four replications were considered. The comparison was done with control. The results were found significant. Pollen sterility and ovule sterility were found minimum in control plants while maximum sterility percentage was recorded in 200 ppm dose of NaF.

Key Words : Sterility of pollen and ovule, Iodine solution, Wheat varieties, Microscope, Glass slide

How to cite this paper : Kumar, Trivender, Dhaka, T.S. and Arya, K.P. Singh (2013). Effect of fluoride toxicity on sterility behaviour of wheat (*Triticum aestivum* L.). *Adv. Res. J. Crop Improv.*, **4** (2): 139-141.

Paper History : Received : 26.07.2013; Accepted : 25.11.2013