

## **Chemical control of brown leaf spot of paddy**

**Balvinder Singh, Abhilasha A. Lal and Sobita Simon**

Department of Plant Protection, Allahabad School of Agriculture, Sam Higginbottom Institute of Agriculture, Technology & Sciences, Allahabad-211007, India

Received May 2, 2012 and Accepted August 9, 2012

**ABSTRACT :** An investigation was carried out to evaluate the efficacy of selected fungicides against brown leaf spot of paddy under field conditions. The field trial was conducted in a randomized block design (RBD) with nine treatments replicated thrice. Fungicides were evaluated as seed and foliar spray treatments (singly and in combined forms). Fungicides used were carboxin (0.2 %), carbendazim (0.1%), contaf 5 EC (0.1 %) and tilt 25 EC (0.1 %). Carbendazim + tilt 25 EC proved significantly superior to other fungicides in reducing the disease intensity. Foliar spray of carbendazim + tilt 25 EC at 75 and 90 days after transplanting was the most effective treatment in reducing the disease intensity (32.15%) as compared to check (51.07%). Among the different methods of application, seed treatment + foliar spray proved to be significantly superior.

**Key Words:** Paddy, brown spot, *Drechslera oryzae*, fungicides.