

## INVESTIGATIONS OF MAIZE CURVULARIA LEAF SPOT DISEASE AND ESTIMATING YIELD LOSS IN BELAGAVI, BAGALKOT AND VIJAYAPUR DISTRICTS OF NORTHERN KARNATAKA

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**Abstract:** Intensive roving survey was carried out in three districts (Belagavi, Bagalkot and Vijayapur) of north Karnataka, during October - November 2014. Overall the disease severity was low in all the three districts surveyed and it was ranged between 2.44 to 9.02 per cent. Maximum disease severity of 9.02 per cent was recorded in Belagavi district followed by Bagalkot (5.31%) and Vijayapur (2.44%). Among the taluks Gokak had the maximum disease severity (9.83%) followed by Saundatti (8.97%), Jamakhandi (8.75%) and Raibhag (8.27%) and it was least in Indi (1.80%). Among different genotypes, irrespective of the fungicidal spray significantly higher per cent disease index was recorded in the genotype CP 818 (38.27 %) compared to other genotypes. Next genotype which was recorded higher per cent disease index was Arjun (36.20%) followed by CP 808 (34.64%), Shimsha 517 (34.55%), and Kaveri 244 (34.25%) and were on par with each other and least per cent disease index was recorded in the genotype DKC 9133 with severity of 15.08 per cent.

**Keywords:** Curvularia leaf spot, *Zea mays*, Karnataka, Survey

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