Survey and screening of different castor genotypes against leaf spot of castor caused by *Alternaria ricini* (Yoshii) Hansf

NEELAKANTH S. HIREMANI¹, SHIVANANDA JAMBENAL² AND S.G. MANTUR¹

¹Department of Plant Pathology, College of Agriculture, University of Agricultural Sciences, G.K.V.K., BENGALURU (KARNATAKA) INDIA
Email : nhneelmani@gmail.com
²Department of Plant Pathology, College of Agriculture, University of Agricultural Sciences, DHARWAD (KARNATAKA) INDIA

The results of the survey indicated that, the maximum disease severity was recorded at Hiriyur taluk of Chitradurga district followed by Koratageri (19.88%) of Tumkur district and least disease severity was observed at Doddabelavanagal (8.22%) of Bangalore district. Among the twelve varieties, none of the entries were immune and highly resistant. Only one entry was resistant, six were moderately resistant and five were susceptible. None of the entries showed highly susceptible reaction. Among the 13 hybrids, only one was highly resistant (CK-09 IHT-51), seven entries were resistant, four were moderately resistant and only one entry was susceptible. None of the entries showed immune and highly susceptible reaction.

Key words : Survey, Disease severity, Screening, Genotype, *Alternaria ricini*