



## RESEARCH PAPER

# Survey for incidence and severity of grain discolouration of paddy in northern parts of Karnataka

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**Abstract :** A roving survey was conducted in major paddy growing areas of northern parts of Karnataka. A total five districts viz., Belagavi, Dharwad, Haveri, Koppal and Uttara Kannada were surveyed during *Kharif* 2017 to record the severity and incidence of grain discolouration. In all the areas surveyed, rice was grown in black and red soils under both irrigated and rainfed condition. During the survey the disease was observed at early grain filling to maturity stage. The disease severity ranged from 06.66 to 26.23 PDI and per cent disease incidence ranged from 12.21 to 46.66 per cent. The maximum severity (26.23 %) and per cent incidence (46.66 %) was recorded in Medleri village of Ranebennur taluk on Haveri district. The minimum severity (06.66 %) and per cent incidence (15.19 %) was recorded in Gundenhatti village of Khanapur taluk on Belagvi district. The maximum disease severity and incidence was observed in black soil under irrigated conditions during maturity stage.

**Key Words :** Grain discolouration, Incidence, Severity, PDI, Disease, Maturity

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