

## **SCREENING AND EVALUATION OF ONION VARIETIES AGAINST FUNGAL DISEASES IN ONION (*ALLIUM CEPA*)**

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### **ABSTRACT**

A field experiment was conducted on screening of varieties, against fungal diseases of onion (*Allium cepa*) during 2012-13 to 2014-15. Among 15 onion varieties tested, highest purple leaf blotch disease incidence (40.50) was recorded in Bellary Red and highest smut (24.50) and basal rot (35.66) disease incidence was recorded in Bhima shubra. In Agrifound Dark Red, recorded the highest yield (32.26t/ha), with the fresh weight of the bulb 157.58g., dry weight of the bulb 134.84 g., followed by Bhima Swetha (32.19t/ha), with highest fresh weight of the bulb (164.42g.) and Bhima Kiran (32.39 t/ha.) with highest dry weight of the bulb (148.84g). In Arka Kalyan, it was recorded less incidence of smut (10.55), basal rot (11.56) with good yield 21.50t/ha. In Arka Nikethan, it was recorded less incidence of smut (12.50), basal rot (13.56) with good yield 20.92t/ha, when compared to Bhima shubra.

**KEYWORDS:** Screening, Purple Leaf Blotch, Onion