recommendation. banana observed that the chemicals TZC and HgCl, were clerodendrum leaf extract spray to further confirmative test of the colour in infected infection on mungbean. In present study, it was found suitable for the detection of the colour after 90 min, and overnight when dipped in developed colour in overnight observation in TZC. samples did 90 min. Both healthy and infected plant samples red colour in 60 min., which became darker after samples dipped in TZC and HgCl, able to produce some remarkable change The infected plant samples also gave light blackish in tissues 5% HgCl<sub>2</sub>. But after overnight healthy plant at 0.5%. samples of infected banana plants. The infected not show any change in colour in Verma and Singh (1994) used are needed before were showed light brick reduce virus, but

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Verma, Alpna and R.B. Singh (1994). natural viral infection асибасит Protec. Sci., 2: 60-63 ` `\* possible in mung bean. prophylectic Clerodendrum agent against Ann

## Evaluation of Colocasia Phytophthora Leaf Blight Cultivars against

# S.K. Maheshwari, R.S. Mishra\*, S. Sriram and A.K. Sahu

Department of Plant Pathology. artment of Plant Pathology, Faculty of Agriculture, SKUAST-K, Wadura, Sopore 193 2( \*Department of Plant Pathology, C.T.C.R.I, Sreekaryum, Thiruvananthapuram-695 017, <s\_kmaheshwari@yahoo.co.in> SKUAST-K. Wadura, Sopore 193 201, (J&K)

replications under natural hot spot conditions. during the first week of June at a spacing of 60 x of C.T.C.R.I., Bhubaneswar during 2000 and 2001. A total of 16 cultivars of colocasia were planted Results revealed that six lines/cv. trials were conducted in R.B.D. at Regional Centre into a set of 16 colocasia lines/cultivars. The field undertaken to identify resistant material available losses (Gadre & Joshi, 2003). Present study was the most important one. It cause substantial yield Schott] a tropical tuber crop is affected by many fungal diseases of which *Phytophthora* leaf blight caused by Phytophthora colocasiae Raciborski is cm in plots of size 3.0 x Colocasia or Taro [Colocasia esculenta (L.) 2.25 were found to ∄ with three

> Table Phytophthora leaf blight of colocasia Disease reaction of cultivars against

Disease reaction	Cultivaria
Immune	N:
Tolerant	Muktakeshi, Jhankri, Bhubaneswar
(0.1 to 10%)	local, Topi, Dhalasaru, S- 6
Moderately	S- 5, S- 8, KCS- 3, Badasaru,
susceptible	Satyabhama, Sanasaru, Shree-
(10.1 to 25%)	reshmi
Susceptible (25.1 to 50%)	Faizabad locai
Highly susceptible	Kujeesaru, Telia

On a 0-4 scale

Short Communication

seven were moderately susceptible (Table 1). The cultivar reaction to leaf blight might be attributed Dubey, 2005). to cultural and morphological variations (Singh & be tolerant having 0-10% disease reaction whereas

ICAR, New Delhi for funding the Phytophthora Network programme, the Director, CTCRI, Thiruvananthapuram providing the facilities. Acknowledgements: The authors are thankful to the Head of its Regional Centre at Bhubaneswar for

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Singh, morphological variability in Phytophthora drechlers Protec. Sci., 13: 508-510. cajani causing pigeon pea blight. and S.C. Dubey (2005). Cultural and Ann

## Evaluation Sclerotinia Blight of Brinjal of Different Soil Amendments against

### Ramesh Singh and L.B. Singh

Department of Plant Pathology, T.D.P.G. College, Jaunpur 222 002, India

sclerotiorum (Lib.) de Bary is one of the important amendments were used to manage this disease. suffers greatly of several fungal diseases Sclerotinia blight caused by Sclerotinic and serious diseases of brinjal which is soil borne important vegetable crop grown in India, which Brinjal (Solanum melengena L.), Therefore, different types of soil caused Sclerotinia is an

days of seedling transplantation. paddy straw, castor cake, wheat straw and mustard cake @ 20.0 ton/ha were mixed in soil before 15 pyrite and gypsum @ 2.0 ton/ha and neem cake on disease incidence. Department to know the impact of soil amendments 2001-2002 The study were conducted during rabi season and 2002-2003 in wirehouse of Seven soil amendments viz.

minimizing the disease incidence during both the the years. cake which was statistically on par observed by the use of pyrite followed by neem However, disease incidence All the treatments significantly reduced the <del>She</del> Gypsum was the least effective maximum disease reduction was as comparison during to control

> Scierot Table tinia blight of brinjal Effect of soil amendments against

Soil amendments	Two years average disease incidence (%)
Pyrite	19.7 (26.38)
Neem cake	21.5 (27.6)
Paddy straw	21.7 (27.79)
Castor cake	24.8 (29.86)
Mustard cake	26.4 (20.91)
Wheat straw	26.5 (30.82)
Gypsum	34.5 (35.97)
Control	52.5 (46.43)
C.D. $(P = 0.05)$	1.93

Angular transformed values in parentheses

Shaima (2006)reduced by the amendments of NPK + years (Table 1). with the observations made by Basu and Maiti who reported that stem rot of and Haseeb (2006) did not find FYM The present finding coincide potato was FYM, but

Y 77.7

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