

Additions to the Host Range of *Macrophomina phaseolina*. S. K. Singh, International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), Patancheru P.O., Andhra Pradesh 502324, India. Y. L. Nene, and M. V. Reddy. International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), Patancheru P.O., Andhra Pradesh 502324, India. *Plant Dis.* 74:828. Accepted for publication 24 April 1990. Copyright 1990 The American Phytopathological Society. DOI: 10.1094/PD-74-0828F.

The host range of *Macrophomina phaseolina* (Tassi) Goid. isolated from chickpea (*Cicer arietinum* L.) plants affected with dry root rot at ICRISAT was studied in a pot culture experiment conducted in a greenhouse (30 ± 4 C). Seeds of 46 plant species were sown in 20-cm plastic pots containing 10% (w/w) fungus inoculum multiplied on 1% peptone-treated chickpea stem pieces and black soil mixture. Of the 44 that showed infection, 11 were new hosts (1): *Celosia argentea* L., *Corchorus trilocularis* L., *Cyanotis axillaris* (L.) D. Don., *Dactyloctenium aegyptium* (L.) Willd., *Digera muricata* (L.) Mart., *Digilaria ciliaris* (Retz.) Koeler, *Echinochloa colonum* (L.) Link, *Eclipta prostrata* (L.) L., *Indigo/era glandulosa* Willd., *Trianthema portulacastrum* L., and *Tridax procumbens* L. In addition, 10 species were found to be new pycnidial hosts: *Abelmoschus esculentus* (L.) Moench, *Capsicum frutescens* L., *Carthamus tinctorius* L., *Cyamopsis tetragonoloba* (L.) Taub., *Dolichos biflorus* Roxb., *Lagenaria leucantha* Rusby, *Lens culinaris* Medik., *Phaseolus mungo* Linn., *Pisum arvense* (L.) Poiret, and *Tridax procumbens*. Because all the commonly cultivated crops in the semiarid tropics where *M. phaseolina* is prevalent were found to be hosts, crop rotations may not be of value in its management.

Reference: (1) A. Ghaffar et al. *Pak. J. Sci. Ind. Res.* 7:71, 1964.