

RESEARCH NOTES

PHYSALOSPORA RHODINA (BERK & CURT.) COOKE, THE PERFECT STAGE OF A DIPLODIA RESPONSIBLE FOR A DIEBACK OF MANGO IN PUERTO RICO

The formation, in pure culture, of a perithecial stage of the fungus *Diplodia theobromae* (Pat.) Now., was reported in a previous note.¹

Cultural and taxonomic studies have revealed that the organism in question is the fungus *Physalospora rhodina*. The perfect stage was readily obtained when star-apple (*Chrysophyllum cainito* L.) fruits and papaya (*Carica papaya* L.) petioles were inoculated with the imperfect form and kept at 20° C. to 24° C. in the laboratory.

Other *Diplodia* isolates obtained from various hosts were found to be physiologic races of *P. rhodina*. Races were differentiated on the basis of morphologic characters and physiological responses.

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¹ Alvarez-García, L. A., A. dieback disease of mangos (*Mangifera indica* L.), *J. Agr. Univ. P.R.* 51 (2): 191, 1967.