

RESISTANCE TO METALAXYL IN Phytophthora capsici IN BRAZIL.

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Metalaxyl (in the granular, seed dressing, and wettable powder formulations) has been used experimentally for approximately three years in comparative performance trials for the control of P. capsici attacking Capsicum spp. at the research center. Complete control was always obtained until a field trial, conducted in 1981, indicated that resistance to the fungicide was occurring in the field. Preliminary tests were conducted in a greenhouse with 30-day-old sweet pepper plants cv. Avelar that had been sprayed with Metalaxyl three days before inoculation with zoospores (approx.  $1 \times 10^4$  zoosp./ml). This treatment was not efficient against the Metalaxyl - resistant P. capsici isolate. Further tests with the granular formulation confirmed the previous result.