

**SENSITIVITY OF MELOIDOGYNE INCOGNITA TO FLUOPYRAM****T. R. Faske****University of Arkansas, Division of Agriculture, Cooperative Extension Service  
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Fluopyram is an SDHI fungicide that is being evaluated as a seed treatment and in-furrow application on row crops for management of fungal diseases and its effect on plant-parasitic nematodes. Currently, there is no LD<sub>50</sub> value, data on nematode recovery, or effects of sub-lethal concentrations of fluopyram on nematode infection available for *Meloidogyne incognita*. Based on an assay of nematode motility, LD<sub>50</sub> values of 5.18µg/ml and 1.18µg/ml fluopyram were calculated for exposure durations of 2 hr and 24 hr, respectively. There was some recovery in nematode motility after 24 hr from a 1 hr of exposure to the LD<sub>50</sub> concentration. Sub-lethal concentrations of 3.9 and 5.2 µg/ml for 1 hr of exposure resulted in less root-galling on tomato than non-treated control. These data indicate nematicidal activity by fluopyram to *M. incognita*.