

Refereed Publications:

Ou, Z., L. Murray, S. H. Thomas, J. Schroeder, and J. Libbin. 2008. Nutsedge counts predict *Meloidogyne incognita* juvenile counts in an integrated management system. **Journal of Nematology** 40:(in press).

Norsworthy, J. H., J. Schroeder, S. H. Thomas and L. W. Murray. 2007. Purple nutsedge (*Cyperus rotundus*) management in direct-seeded chile peppers (*Capsicum annuum*) using halosulfuron and cultivation. **Weed Technology** 21:636-641.

Van Voorhies, W.A., J. Fuchs, and S. H. Thomas. 2005. The longevity of *Caenorhabditis elegans* in soil. **Proceedings of the Royal Society Biology Letters** (1(2):247-249.

Norsworthy, J. H., J. Schroeder, S. H. Thomas, and L. W. Murray. 2005. Southern root-knot nematode effect on purple nutsedge (*Cyperus rotundus*) and chile pepper response to halosulfuron. **Weed Technology** 19: 1004-1011.

Thomas, S. H., J. Schroeder and L. W. Murray. 2005. The role of weeds in nematode management. **Weed Science** 53:923-928.

Schroeder, J., S. H. Thomas, and L. W. Murray. 2005. Impacts of crop pests on weeds. **Weed Science** 53: 918-922.

Thomas, S. H., J. Schroeder and L. W. Murray. 2004. *Cyperus* tubers protect *Meloidogyne incognita* from 1,3-dichloropropene. **Journal of Nematology** 36:131-136.

Schroeder, J., S. H. Thomas and L. W. Murray. 2004. Root-knot nematodes affect annual and perennial weed interactions with chile pepper. **Weed Science** 52:28-46.

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Thomas, S.H., J.M. Fuchs, and Z.A. Handoo. 2001. First report of *Meloidogyne partityla* on pecan in New Mexico. **Plant Disease** 85:1030.

Thomas, S.H., S.A. Sanderson, and Z.A. Handoo. 2001. First report of Columbia root-knot nematode (*Meloidogyne chitwoodi*) in potato in New Mexico. **Plant Disease** 85:924.

Potenza, C., S.H. Thomas, and C. Sengupta-Gopalan. 2001. Genes induced during early response to *Meloidogyne incognita* in roots of resistant and susceptible alfalfa cultivars. **Plant Science** 161: 289-299.

Schroeder, J., S.H. Thomas, and L. Murray. 1999. Yellow and purple nutsedge are not injured

by increasing root-knot nematode population densities. **Weed Science** 47: 201-207.

Potenza, C.L., S.H. Thomas, E.A. Higgins, and C. Sengupta-Gopalan. 1996. Early root response to *Meloidogyne incognita* in resistant and susceptible alfalfa cultivars. **Journal of Nematology** 28: 475-484.

Thomas, S.H., L. Murray, and M. Cardenas. 1995. Relationship of preplant population densities of *Meloidogyne incognita* to damage in three chile pepper cultivars. **Plant Disease** 79:557-559.

Thomas, S.H. 1994. Influence of 1,3-dichloropropene, fenamiphos, and carbofuran on *Meloidogyne incognita* populations and yield of chile peppers. **Supplement to Journal of Nematology** 26:683-689.

Schroeder, J., M. J. Kenney, S.H. Thomas and L. W. Murray. 1994. Yellow nutsedge response to southern root-knot nematodes, chile peppers, and metolachlor. **Weed Science** 42:534-540.

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Thomas, S.H. and D.W. Smith. 1993. Effects of 1,3-dichloropropene for *Meloidogyne incognita* management on cotton produced under furrow irrigation. **Supplement to Journal of Nematology** 25:752-757.

Schroeder, J.S., S.H. Thomas, and L. Murray. 1993. Yellow and purple nutsedge and chile peppers host southern root-knot nematode. **Weed Science** 41:150-156.

Klump, R.S. and S.H. Thomas. 1987. Comparative resistance of selected 'Acala 1517 cotton cultivars to *Meloidogyne incognita* race 3. **Annals of Applied Nematology** 1:113-115.

Thomas, S.H. and D.C. Norton. 1986. Influence of selected maize hybrids on nematode populations under differing edaphic conditions. **Plant Disease** 70:234-237.

Thomas, S.H. and C. Goddard. 1986. Population dynamics of selected plant-parasitic nematode species on guayule. **Plant Disease** 70:579-580.

Parker, L.W., J. Ryder-White, S. Thomas, and W.G. Whitford. 1985. The effects of oxamyl and chlordane on the activities of non-target soil organisms. **Biology and Fertility of Soils** 1:141-148.

Klich, M.A., S.H. Thomas, and J.E. Mellon. 1984. Initial field investigations on the mode of entry of *Aspergillus flavus* into cotton seeds. **Mycologia** 76:665-669.

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Nyczepir, A. P. and S. H. Thomas. 2008. Current and future management strategies in intensive crop production systems. *in* **Root-knot nematodes**. R. N. Perry, M. Moens, and J. Starr, eds. Commonwealth Agricultural Bureau International (*in press*).

McSorley, R.L. and S.H. Thomas. 2003. Diseases caused by nematodes. Pp. 46-49. *in* K. Pernezy, P. D. Roberts, J. F. Murphy, and N. P. Goldberg, eds. **Compendium of Pepper Diseases**. St. Paul, MN: American Phytopathological Society.

Thomas, S.H. and T.L. Kirkpatrick. 2001. Root-knot nematodes. Pp. 40-42. *in* T.L. Kirkpatrick and C.S. Rothrock, eds. **Compendium of Cotton Diseases**, 2nd Edition. St. Paul, MN: American Phytopathological Society Press.

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Published Abstracts and Proceedings:

Thomas, S. H., J. Schroeder, L. Murray, J. Trojan, C. Fiore, and J. Libbin. 2008. Development of a management strategy for the *Meloidogyne incognita*/*Cyperus rotundus*/*C. esculentus* pest complex. Proceedings, 5th International Congress of Nematology (*in press*).

Trojan, J. M., S. H. Thomas, J. Schroeder, and L. W. Murray. 2007. The influence of *Meloidogyne incognita* inoculum source and competition on nematode virulence on chile pepper. **Journal of Nematology** 39:97 (abstr).

Ou, Z., L. Murray, J. Schroeder, and S. H. Thomas. 2007. Using nutsedge counts to predict root-knot nematode juvenile counts in an integrated management system. Proceedings, Western Society of Weed Science 60:37.

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Nunez, S. C., J. Schroeder, S. H. Thomas, and L. W. Murray. 2006. Effect of early season irrigation and heat unit accumulation on yellow nutsedge, purple nutsedge, and root-knot nematode development. **Proceedings, Western Society of Weed Science** 59:106.

Murray, L. W., K. Wang, J. Schroeder, and S. H. Thomas. 2006. Statistical problems in estimating the 'Topological Index' of plant root-architecture data. **Proceedings, Western North American Region of the International Biometric Society**.

Thomas, S. H. and J. M. Trojan. 2005. Seasonal population dynamics and host suitability of *Meloidogyne parityla* on pecan in New Mexico. **Journal of Nematology** 37:399 (abstr.).

Trojan, J. M, S. H. Thomas, J. Schroeder, and L.W. Murray. 2005. Histological examination of yellow nutsedge and purple nutsedge tuber for the presence of *Meloidogyne incognita*. **Journal of Nematology** 37:400 (abstr.).

Nunez, S., J. Schroeder, S. H. Thomas, and L. W. Murray. 2005. The effects of soil temperature on yellow nutsedge, purple nutsedge, and root-knot nematode development. **Proceedings, Western Society of Weed Science** 58:30.

Schroeder, J., B. J. Greenfield, S. H. Thomas, L. W. Murray, and J. M. Fuchs. 2005. Root-knot nematodes (*Meloidogyne incognita*) increase early season growth of purple and yellow nutsedge (*Cyperus rotundus* and *C. esculentus*) emerging from large tubers. **Weed Science Society of America, Abstracts** 45:205.

Thomas, S.H., J. M. Fuchs, J. Schroeder, and L.W. Murray. 2004. The effect of previous host on subsequent virulence of *Meloidogyne incognita* on chile pepper and nutsedges. **Journal of Nematology** 36:348-349 (abstr.).

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Schroeder, J., S.H. Thomas, C. Fiore, J.M. Fuchs, I. Ray, and L.W. Murray. 2004. Alfalfa suppresses concomitant populations of nutsedges (*Cyperus esculentus* and *C. rotundus*) and root-knot nematode (*Meloidogyne incognita*) in subsequent pepper crops. **Weed Science Abstracts, Weed Science Society of America** 44:328.

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