

## **Refereed Publications:**

Vetter, J., Z. Ou, L. Murray, S.H. Thomas, and J. Schroeder. 2013. Determining the effectiveness of including spatial information into a nematode/nutsedge pest complex model. **Proceeding of the 24<sup>th</sup> Annual Kansas State University Conference on Applied Statistics in Agriculture: 109-124.**

Al-Hammouri, A., W. Lindemann, S. Sanogo, S. Thomas, and R. Steiner. 2013. Interaction between *Rhizoctonia solani* and *Meloidogyne incognita* on chile pepper in soil infested simultaneously with both plant pathogens. **Canadian Journal of Plant Science 93:67-69.**

Klass, J.R., D.P.C. Peters, J.M. Trojan, and S. Thomas. 2012. Nematodes as an indicator of plant-soil interactions associated with desertification. **Journal of Applied Soil Ecology 58:66-77.**

Murray, L., S. Thomas, J. Schroeder, S. Kreider, Z. Ou, J. Trojan, and C. Fiore. 2012 Modeling the root-knot nematode/nutsedge pest complex using the Poisson family of distributions: Perspectives from Weed Science, Nematology, and Statistics. **Proceedings of the 2011 Kansas State University Conference on Applied Statistics in Agriculture p. 128-151.**

Fiore, C., J. Schroeder, S. Thomas, L. Murray, and I. Ray. 2009. Root-knot nematode-resistant alfalfa suppresses subsequent crop damage from the nutsedge-nematode pest complex. **Agronomy Journal 101:754-763.**

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 40:99-108.**

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.

Zewdie, Y., S. Thomas and P. W. Bosland. 2003. 'NuMex Nematador', southern root knot nematode-resistant cayenne. **HortScience** 38:631-632.

Nyczepir, A.P., C.C. Reilly, B.W. Wood, and S.H. Thomas. 2002. First record of *Meloidogyne partityla* on pecan in Georgia. **Plant Disease** 86:441.

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.

Thomas, S.H., J. Schroeder, M.J. Kenney, and L.W. Murray. 1997. *Meloidogyne incognita* inoculum source affects host suitability and growth of yellow nutsedge and chile pepper. **Journal of Nematology** 29:404-410.

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.

Zamora, E., S.H. Thomas and P.W. Bosland. 1994. 'Carolina Cayenne' as a source of resistance to *Meloidogyne incognita* races 1,2,3 and 4. **HortScience** 29:1184-1185.

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.

Thomas, S.H. 1978. Population densities of nematodes under seven tillage regimes. **Journal of Nematology** 10:24-27.

Norton, D.C., J. Tollefson, P. Hinz, and S. Thomas. 1978. Corn yield increases relative to nonfumigant chemical control of nematodes. **Journal of Nematology** 10:160-166.

### **Book Chapters:**

Nyczepir, A. P. and S. H. Thomas. 2009. Current and future management strategies in intensive crop production systems. Pp. 412-433. in **Root-knot nematodes**. R. N. Perry, M. Moens, and J. Starr, eds. Commonwealth Agricultural Bureau International.

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.

### **Refereed Extension Publications:**

Heerema, R., N. Goldberg, and S. Thomas. 2011. Diseases and other disorders of pecan in New Mexico. NMSU Cooperative Extension Service, **Guide H-657**.

Lauriault, L.M., I.A. Ray, S.H. Thomas, C. Sutherland, J. Ashigh, F.E. Contreras-Govia, and M.A. Marsalis. 2011. Selecting alfalfa varieties for New Mexico. NMSU Cooperative Extension Service, **Circular 654**.

Thomas, S.H. 1995. Managing nematodes in chile. New Mexico Cooperative Extension Service **Guide H-241**.

Shannon, E., S. Thomas, and M. Clayshulte. 1981. Control of nematodes. New Mexico Cooperative Extension Service **Bulletin 400 W-8**.

Shannon, E., S. Thomas, and M. Clayshulte. 1981. How to check for nematode problems. New Mexico Cooperative Extension Service **Bulletin 400 W-9**.

### **Published Abstracts and Proceedings:**

Thomas, S.H., J.M. Beacham, L. Holland, J. Schroeder, E. Morris, N. Schmidt, L. Murray, F. Solano-Campos, S. Hanson, and J. D. Eisenback. 2013. Observations regarding a presently-undetermined *Meloidogyne* species parasitizing yellow and purple nutsedges. **Journal of Nematology** 45: (in press).

Thomas, S.H., J. Beacham, and P.W. Bosland. 2012. Use of propagated plant cuttings to accelerate screening cayenne pepper for resistance to *Meloidogyne incognita*. **Journal of Nematology** 44:494.

Beacham, J., S.H. Thomas, and E.C. Bernard. 2012. Inventory of the soil nematode fauna at White Sands National Monument, New Mexico. **Journal of Nematology** 44:451.

Thomas, S.H., J.M. Trojan, and R. Heerema. 2011. *Meloidogyne partityla*-induced changes in pecan growth and nutrient sequestration. **Journal of Nematology** 43:288-289.

Smythe, B.G., S. Sanogo, N. Puppala, S. Thomas, and R.L. Steiner. 2011. Screening a Valencia core collection for resistance to *Sclerotinia sclerotiorum*. **Phytopathology** 101:S168.

Bernard, E.C., J.M. Trojan, and S.H. Thomas. 2011. Nematode biodiversity at Otero Mesa, New Mexico, a pristine desert grassland. **Journal of Nematology** 43:228-229.

Fiore, C., J. Schroeder, S.H. Thomas, L. Murray, J. Trojan, and N.E. Schmidt. 2011. Comparison of seed production and germinability in the annual weeds *Anoda cristata*, *Ipomoea purpurea*, and *Physalis wrightii* with an without *Meloidogyne incognita* inoculation. **Proceedings, Western Society of Weed Science** 64:48.

Thomas, S.H., J.M. Trojan, J. Schroeder, C. Fiore, S. Sanogao, L. Liess, N. Schmidt and L.W. Murray. 2010. Suitability of annual weeds as hosts of *Meloidogyne incognita* is unaffected by coinfection with *Verticillium dahliae*. **Journal of Nematology** 42:273.

Schroeder, J., S.H. Thomas, L. Murray, C. Fiore and J. Trojan. 2010. Challenges for integrated *Cyperus rotundus*, *C. esculentus*, and *Meloidogyne incognita* management in irrigated pepper production systems. **2010 International Pepper Conference Proceedings**, p. 30.

Thomas, S. H. Pecan root-knot nematode update. 2010. 44<sup>th</sup> Annual Western Pecan Growers Association Conference Proceedings. Pp. 14-15.

Uchanski, M.E., S.H. Thomas, and S.J. Walker. 2010. Evaluation of chloropicrin soil fumigants for management of soil-borne pathogens in chile, 2009. **Plant Disease Management Reports** 4:V148. doi:10.1094/PDRM04.V148.

Thomas, S. H., J. M. Trojan, J. Schroeder, C. Fiore, S. Sanogo, L. Liess, and L. W. Murray. 2009. Interactions among *Meloidogyne incognita*, annual weeds, and *Verticillium dahliae*: implications for enhancement of pathogen and weed populations in chile pepper production. **Journal of Nematology** 41:386.

Trojan, J. M., S. H. Thomas, J. Schroeder, L. W. Murray, and N. Schmidt. 2009. Soil nematode community structure in an alfalfa, chile and cotton crop sequence. **Journal of Nematology** 41:390.

Schroeder, J., S. H. Thomas, L. Murray, C. Fiore, J. Trojan, J. Libbin. 2009. Purple nutsedge (*Cyperus rotundus*) and yellow nutsedge (*C. esculentus*) management in irrigated systems infested with the southern root-knot nematode (*Meloidogyne incognita*). **Weed Science Society of America, Abstracts** 49:220.

McCarson, K. L., J. Schroeder, C. Fiore, S. H. Thomas, J. M Trojan, S. Sanogo, L. Liess, and L. Murray. 2009. Interactions of : *Ipomoea purpurea*, *Anoda cristata*, *Physalis wrightii* and *Capsicum annuum* with *Meloidogyne incognita* and *Verticillium dahliae*. **Proceedings, Western Society of Weed Science** 62:24.

Thomas, S.H. 2009. Update on nematode survey and related research. 28<sup>th</sup> Annual New Mexico Vine & Wine Society Proceedings, pp. 40-43.

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, 5<sup>th</sup> International Congress of Nematology** 5:319.

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.

Schroeder, J., S. C. Nunez, S. H. Thomas, and L. W. Murray. 2007. Early season irrigation affects initial development of yellow nutsedge, purple nutsedge, and root-knot nematode. **Proceedings, Western Society of Weed Science** 60:39.

Thomas, S.H., J. M. Trojan, and J.A. Couch. 2006. Survey of plant-parasitic nematodes in New Mexico pecan orchards using an ATV-mounted hydraulic soil auger. **Journal of Nematology** 38:298. (abstr.).

Trojan, J.M., S. H. Thomas, J. Schroeder, and L. W. Murray. 2006. Host suitability of yellow nutsedge and purple nutsedge for *Meloidogyne javanica*, *M. hapla*, and *M. incognita* races 1,2 and 3. **Journal of Nematology** 38:299 (abstr.).

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 paritityla* 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.).

Fuchs, J.M., S.H. Thomas, J. Schroeder, and L.W. Murray. 2004. Characterization of the effects of chile pepper, yellow nutsedge and purple nutsedge on *Meloidogyne incognita* reproduction. **Journal of Nematology** 36:318 (abstr.).

Wang, K., L.W. Murray, J. Schroeder, and S.H. Thomas. 2004. Techniques of topological analysis for examining purple and yellow nutsedge root architecture. **Proceedings, Western Society of Weed Science** 57:43-44.

Potenza, C., S.H. Thomas, G. Eiceman, and C. Sengupta-Gopalan. 2004. Use of global protein characterization to develop genetically engineered resistance to root-knot nematodes in plants. **Proceedings, Southwest Consortium on Plant Genetics and Water Resources**.

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.

Thomas, S.H., C. Potenza, A.L. Jacobson, and J.M. Fuchs. 2004. Differentiation of *Meloidogyne partityla* from other root-knot nematode species in pecan using mt-DNA: the *Meloidogyne chitwoodi* cytochrome oxidase subunit II partial gene sequence. **GenBank** AY672411.

Thomas, S.H., C. Potenza, A.L. Jacobson, and J.M. Fuchs. 2004. Differentiation of *Meloidogyne partityla* from other root-knot nematode species in pecan using mt-DNA: the *Meloidogyne partityla* cytochrome oxidase subunit II partial gene sequence. **GenBank** AY672412.

Thomas, S.H., C. Potenza, A.L. Jacobson, and J.M. Fuchs. 2004. Differentiation of *Meloidogyne partityla* from other root-knot nematode species in pecan using mt-DNA: the *Meloidogyne hapla* cytochrome oxidase subunit II partial gene sequence. **GenBank** AY672413.

Thomas, S.H., J. Schroeder, J. M. Fuchs, C. Fiore, I. Ray, and L. W. Murray. 2003. The efficacy of alfalfa as a rotation crop for simultaneous suppression of *Meloidogyne incognita* and nutsedges. **Journal of Nematology** 35:366 (abstr.).

Luna, E., J. Schroeder, S. H. Thomas, and L. W. Murray. 2003. Purple nutsedge growth and biomass partitioning in response to root-knot nematodes. **Proceedings, Western Society of Weed Science** 56:92.

Greenfield, B. J., J. Schroeder, S. H. Thomas, and L. W. Murray. 2003. Root-knot nematodes and tuber size affect early season growth of purple and yellow nutsedge. **Proceedings, Western Society of Weed Science** 56:92.

Fiore, C., J. L. Murray, I. Ray, J. Schroeder, and S. H. Thomas. 2003. Chile response to rotational crops for nutsedge and nematode suppression. **Proceedings, Western Society of Weed Science** 56:60.

Potenza, C., R. Richins, M. O'Connell, J. Fuchs, S. H. Thomas, and C. Sengupta-Gopalan. 2003. Microarrays as a tool for monitoring changes in root-knot nematode infected chile roots. **Proceedings, Society of Plant Biologists Abstracts**.

Thomas, S. H., J. Schroeder, and L. W. Murray. 2003. The role of weeds in nematode management. **Weed Science Society of America, Abstracts** 43:333. (invited symposium presentation)

Schroeder, J., S. H. Thomas, and L. W. Murray. 2003. Impact of crop pests, and their management, on weeds. **Weed Science Society of America, Abstracts** 43:328. (invited symposium presentation)

Schroeder, J., C. Fiore, I. Ray, S. H. Thomas, and L. W. Murray. 2002. Yellow and purple nutsedge population response to crop management in root-knot infested fields. **Weed Science Society of America, Abstracts** 42:55.

Fiore, C., J. Schroeder, S. Thomas, I. Ray, and L. Murray. 2002. A sustainable approach to nematode and nutsedge management in chile using nematode resistant alfalfa as a rotation crop. **Proceeding Western Society of Weed Science** 55:46.

Greenfield, B. J., J. Schroeder, S. H. Thomas, L. Murray, and J. M. Fuchs. 2002. The affect of *Meloidogyne incognita* on purple nutsedge and yellow nutsedge inter- and intra-specific competition. **Proceedings Western Society of Weed Science** 55:46.

Thomas, S.H., J.M. Fuchs, and A.L. Jacobson. 2001. *Meloidogyne partityla*: an emerging nematode pest of pecan in New Mexico. **Journal of Nematology** 33:279 (abstr.).

Schroeder, J., S. H. Thomas, and L.W. Murray. 2001. Influence of London rocket (*Sisymbrium irio*) and root-knot nematodes on interactions between chile peppers (*Capsicum annuum*) and spurred anoda (*Anoda cristata*). **Weed Science Society of America, Abstracts** 41:65.

Fiore, C., L. Murray, I. Ray, J. Schroeder, and S. H. Thomas. 2001. A sustainable approach to nematode and nutsedge management in chile using nematode-resistant alfalfa as a rotation crop. **Proceedings Western Society of Weed Science** 54:25.

Greenfield, B. J., J. Schroeder, S. Thomas, L. W. Murray, J. Fuchs, and K. F. Brown. 2001. Influence of root-knot nematodes and tuber size on emergence and development of viable reproductive structures of yellow nutsedge and purple nutsedge at early-season temperatures. **Proceedings Western Society of Weed Science** 54:7.

Thomas, S.H., J. Schroeder, and L.W. Murray. 2000. Effects of 1,3-dichloropropene and selected herbicides on *Meloidogyne incognita*/nutsedge interactions. **Journal of Nematology** 32:465 (abstr).

Thomas, S.H., J. Schroeder, and L.W. Murray. 1998. Interactions among *Meloidogyne incognita*, nutsedges, and chile peppers. **Journal of Nematology** 30: 518 (abstr).



Schroeder, J., S.H. Thomas, and L.W. Murray. 1998. Influence of 1,3-dichloropropene fumigation on purple and yellow nutsedge germination and survival of *Meloidogyne incognita*. **Journal of Nematology** 30: 515 (abstr).

Thomas, S.H., J. Schroeder, M.J. Kenney, and L.W. Murray. 1997. Influence of *Meloidogyne incognita* inoculum source on host suitability and growth of yellow nutsedge and chile pepper. **Journal of Nematology** 29:402-408.

Thomas, S.H., J. Schroeder, and L.W. Murray. 1997. Interactions among *Meloidogyne incognita*, annual or perennial weeds, and chile peppers. **Journal of Nematology** 29: 608 (abstr).

Potenza, C., E. Higgins, S.H. Thomas, and C. Sengupta-Gopalan. 1997. Characterization of host genes in the early stages of alfalfa - *Meloidogyne incognita* interaction. **Journal of Nematology** 29: 601 (abstr).

Thomas, S.H., J. Schroeder, and L.W. Murray. 1996. Interactions involving root-knot nematodes and annual or perennial weeds. **Nematropica** 26:227 (abstr.)

Potenza, C., S. Thomas, and C. Sengupta-Gopalan. 1996. Isolation of root-knot nematode induced/repressed plant genes by differential screening of a cDNA library from alfalfa roots. **Nematropica** 26:301 (abstr.).

Thomas, S.H., J. Schroeder, and L.W. Murray. 1995. Influence of weed-chile pepper associations on the population dynamics of *Meloidogyne incognita*. **Journal of Nematology** 27:521 (abstr.).

Thomas, S.H., C. Sengupta-Gopalan, C.L. Potenza and E.A. Higgins. 1994. Preliminary characterization of genes controlling *Meloidogyne incognita*-induced feeding site development in alfalfa. **Journal of Nematology** 26:121-122 ( abstr).

Thomas, S.H., J. Schroeder, B. Vezzani and L.W. Murray. 1994. Relationship of broadleaf weeds and nutsedges to *Meloidogyne incognita* populations in chile peppers. **Journal of Nematology** 26: 121 (abstr).

Thomas, S.H., E.A. Higgins, P. Havstad, and J.D. Kemp. 1994. A technique for nondestructive evaluation of host suitability to nematodes in transformed tobacco plants. **Journal of Nematology** 26:568 (abstr.).

Higgins, E.A., S.H. Thomas, C.L. Potenza, and C. Sengupta-Gopalan. 1994. *Meloidogyne incognita* invasion and development in resistant and susceptible alfalfa cultivars. **Journal of Nematology** 26:551 (abstr).

Kenney, M.J., J. Schroeder, L.W. Murray and S.H. Thomas. 1992. Effects of a herbicide on

yellow nutsedge and chile pepper suitability as hosts of *Meloidogyne incognita*. **Journal of Nematology** 24:60 1 (abstr).

Thomas, S.H., D.W. Smith and T.J. Roberts. 1991. Effects of *Meloidogyne incognita* race 3 on fiber quality and yield of selected cotton cultivars under furrow irrigation. **Journal of Nematology** 23:552-553 (abstr).

Thomas, S.H., D.W. Smith and T.J. Roberts. 1991. Effects of *Meloidogyne incognita* race 3 on fiber quality and yield of selected cotton cultivars under furrow irrigation. **Journal of Nematology** 23:552-553 (abstr).

Thomas, S. H. and J. Schroeder. 1990. Effects of yellow nutsedge (*Cyperus esculentus*) and purple nutsedge (*C. rotundus*) on *Meloidogyne incognita* populations in chile peppers (*Capsicum annuum*). **Phytopathology** 80:1047 (abstr).

Thomas, S.H. and K. Arnold. 1989. Influence of *Meloidogyne incognita*-resistant cotton cultivars on yield parameters and population dynamics. **Journal of Nematology** 21:591 (abstr).

Thomas, S.H., C. Sengupta-Gopalan, M.E. Alvarez, G.D. Kuehn, and J.D. Kemp. 1988. Effects of collagenase from a nematode-trapping fungus on *Pratylenchus scribneri*. **Journal of Nematology** 20:661 (abstr).

Thomas, S.H. and L.W. Murray. 1987. Yield reductions in grain sorghum associated with injury by *Meloidogyne incognita* race 3. **Journal of Nematology** 19:559 (abstr).

Thomas, S.H., and J.L. Saunders. 1986. The influence of crop rotation and tillage practices on plant-parasitic nematode populations in a Costa Rican small farming system. **Phytopathology** 76:1108 (abstr).

Thomas, S.H. and J.L. Saunders. 1986. Joint influences of cultivation, residue incorporation and pesticides on nematode populations under tropical maize monoculture. **Journal of Nematology** 18:642 (abstr).

Thomas, S.H. and C.J. Goddard. 1985. Plant-parasitic nematode development on guayule, a latex-producing desert shrub. **Journal of Nematology** 17:505 (abstr).

Thomas, S.H. and M. Cardenas. 1985. Relationship between pre-season population numbers of *Meloidogyne incognita* and yield losses in chile pepper cultivars. **Phytopathology** 75:1304 (abstr).

Thomas, S.H. and M. Cardenas. 1983. A large plot method for assessing nematicide efficacy and nematode related crop loss. **Journal of Nematology** 15:490 (abstr).

Norton, D.C. and S.H. Thomas. 1982. The effects of tillage on nematodes. **Proceedings**

**Eighth Illinois Crop Protection Workshop.** pp. 123-124.

Thomas, S.H. 1982. Effect of nematicides on sorghum yield and lesion nematode control in eastern New Mexico, 1981. **Fungicide-Nematicide Tests** 38:5-6.

Thomas, S.H. 1982. Influence of fumigant nematicides on southern root-knot nematodes and chile pepper yields, 1981. **Fungicide-Nematicide Tests** 38:6.

Thomas, S.H. and J. Ryder-White. 1982. Effect of low inoculum levels on *Meloidogyne incognita* on three chile cultivars. **Journal of Nematology** 14:473 (abstr).

Goddard, C.J. and S. Thomas. 1981. Suitability of guayule cultivar 593 as a host for selected plant-parasitic nematodes. **Proceedings Guayule Rubber Society** p. 20.

Thomas, S.H. 1980. Response of plant-parasitic nematodes to corn hybrids and edaphic factors. **Journal of Nematology** 12:239 (abstr).

Thomas, S.H. 1980. Effects of corn varieties and edaphic factors on populations of plant-parasitic nematodes. **Dissertation Abstracts Int.** Sec B40(12):5486-B.