

PUBLICATIONS FOR JILL SCHROEDER

BOOKS/BOOK CHAPTERS

Schroeder, J. and P.A. Banks. 2003. Herbicide injury. In Pernezny, K., P. Roberts, J. Murphy, and N. Goldberg, editors. Compendium on Pepper Diseases. APS Press, St. Paul, MN. P. 56-57.

JOURNAL PUBLICATIONS

Ray, J., **R. Creamer, J. Schroeder**, and L. W. Murray. Moisture and temperature requirements for London rocket (*Sisymbrium irio*) emergence. *Weed Science* (*in press*).

Schroeder, J., S. H. Thomas, and L. W. Murray. Impacts of crop pests, and their management, on weeds. *Weed Science* (*accepted*, manuscript based on Feb., 2003 invited symposium presentation)

Thomas, S. H., J. Schroeder and L. W. Murray. The role of weeds in nematode management. *Weed Science* (*accepted*, manuscript based on Feb., 2003 invited symposium presentation)

Thomas, S. H., J. Schroeder, and L. Murray. 2004. *Cyperus* tubers protect *Meloidogyne incognita* from 1,3-dichloropropene. *Journal of Nematology* 36(2):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.

Banks, P. A. and **J. Schroeder**. 2002. Carrier volume affects herbicide activity in simulated spray drift studies. *Weed Technology* 16: 833-837.

Ozaydin, F., D. M. VanLeeuwen, C. S. Miller, **J. Schroeder**. 1999. Factor effects on the variance in a replicated two-way treatment structure in an agricultural system. *Journal of Agricultural Biological and Environmental Statistics* 4:166-184.

Schroeder, J., S. H. Thomas, and L. W. Murray. 1999. Yellow and purple nutsedge are not injured by root-knot nematodes inoculated at increasing population densities. *Weed Science* 47:201-207.

Schroeder, J. 1998. Cucumber response to selected foliar and soil applied sulfonylurea herbicides. *Weed Technology* 12:595-601.

VanGessel, M.J., **J. Schroeder** and P. Westra. 1998. Comparative growth and development of four spurred anoda (*Anoda cristata*) accessions. *Weed Science* 46:91-98.

Bowman, R.S., **J. Schroeder**, R. Bulusu, M. Remmenga, and R. Heightman. 1997. Plant toxicity and plant uptake of fluorobenzoate and bromide water tracers. *Journal of Environmental Quality* 26:1292-1299.

Thomas, S. H., M. J. Kenney, **J. Schroeder**, L. Murray. 1997. *Meloidogyne incognita* inoculum source influences yellow nutsedge (*Cyperus esculentus*) and chile pepper (*Capsicum annuum*) response to the nematode. *Journal of Nematology* 29:402-408.

Miller, C. S., D. M. VanLeeuwen, **J. Schroeder**, and M. Kenney. 1995. Variance as a factor effect in interdisciplinary studies of agricultural systems. *Proceedings of the 1995 Kansas State University Conference on Applied Statistics in Agriculture*. P 73-85 (refereed).

PROCEEDINGS/ABSTRACTS

Barron, S., **J. Schroeder**, C. Fiore. 2005. Rotational crop response to trifloxysulfuron. *Proceedings, Western Society of Weed Science* 58: *in press*.

Fiore, C. and **J. Schroeder**. 2005. The potential for germination and establishment of select weed seed on irrigation canals in southern New Mexico. *Proceedings, Western Society of Weed Science* 58: *in press*.

Nunez, S. and **J. Schroeder**. 2005. The effects of soil temperature on yellow nutsedge, purple nutsedge, and root-knot nematode development. *Proceedings, Western Society of Weed Science* 58: *in press*.

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: *in press*.

Fiore, C., **J. Schroeder**, **R. Sanderson**, A. Ulery, L. Murray, L. DeMouche, and S. Schuster. 2004. Can soil characteristics be used to predict weed species along the irrigation canals in southern New Mexico. *Proceedings, Western Society of Weed Science* 57:36-37.

Greenfield, B., **J. Schroeder**, **S. H. Thomas**, and L. W. Murray. 2004. The effect of nitrogen and potassium levels on the relationship between purple and yellow nutsedges and southern root-knot nematode. *Proceedings, Western Society of Weed Science* 57:40.

Schroeder, J., **S. H. Thomas**, C. Fiore, J. M. Fuchs, I. Ray, and L. W. Murray. 2004. Alfalfa suppresses concomitant populations of nutsedges and root-knot nematode in a subsequent pepper crop. *Abstracts, Weed Science Society of America* 44:128.

Schuster, S., D. Cowley, C. Fiore, L. Murray, and **J. Schroeder**. 2004. Are weed species associated with crayfish habitat along the irrigation canals? *Proceedings, Western Society of Weed Science* 57:37.

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.

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: 36.

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 nutsedges. Proceedings, Western Society of Weed Science 56: 92.

Fiore, C., L W. 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.

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

Thomas, S. H., J. Schroeder and L. W. Murray. 2003. The role of weeds in nematode management. Weed Science Abstracts, Weed Science Society of Weed Science 43:333 (*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 nematode infested fields. Weed Science Society of America, Abstracts 42:55.

Greenfield, B. J., **J. Schroeder, S. Thomas**, L.W. Murray, J. Fuchs. 2002. The effect of *Meloidogyne incognita* on purple nutsedge and yellow nutsedge inter- and intra-specific competition. Proceedings Western Society of Weed Science 55:94.

Norsworthy, **J., Schroeder, J., P.A. Banks**, and L. W. Murray. 2002. Halosulfuron for purple nutsedge management in chile. Proceedings Western Society of Weed Science 55:31.

Fiore, C., L. Murray, I. Ray, **J. Schroeder**, and **S. H. Thomas**. 2002. A sustainable approach to nematode and nutsedge management in chile using nematode resistant alfalfa as a rotation crop. Proceedings Western Society of Weed Science 55:93.

Luna, E. L., **J. Schroeder**, C. Fiore, D. Coolidge. 2002. The effects of root-knot nematodes on the growth and development of purple nutsedge. Proceedings Western Society of Weed Science 55:9.

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. H. 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. Proceedings Western Society of Weed Science 54:7.

Schroeder, J., P. A. Banks, and C. A. Fiore. 2001. Purple nutsedge management in chile peppers with halosulfuron. Proceedings Western Society of Weed Science 54:8.

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.

Banks, P.A. and **J. Schroeder**. 2000. Carrier volume affects herbicide activity in simulated spray drift studies. Proceedings Southern Weed Science Society 53:173.

Banks, P.A. and **J. Schroeder**. 2000. Carrier volume influences herbicide activity in simulated spray drift studies. Weed Science Society of America, Abstracts 40:192.

Fiore, C., L. Murray, I. Ray, **J. Schroeder** and **S. H. Thomas**. 2000. A sustainable approach to nematode and nutsedge management in chile using nematode-resistant alfalfa as a rotation crop. Proceedings Western Society of Weed Science 53:20.

Greenfield, B. J., **S. H. Thomas**, **J. Schroeder**, J. Fuchs, and C. Fiore. 2000. Annual weed host species affect *Meloidogyne incognita* virulence on chile peppers. Proceedings Western Society of Weed Science 53:22.

Ronquillo, M., **J. Schroeder**, **S. H. Thomas**, L. Murray, and K. Brown. 2000. Effect of root-knot nematodes on the control of purple and yellow nutsedge with pyriithiobac and halosulfuron. Proceedings Western Society of Weed Science 53:12.

Schroeder, J. and P. A. Banks. 2000. Spray carrier volume affects activity of herbicides at low dosages. Proceedings Western Society of Weed Science 53:32.

Schroeder, J., **S. H. Thomas**, and L.W. Murray. 2000. Yellow (*Cyperus esculentus*) or purple nutsedge (*Cyperus rotundus*) tubers and associated root-knot nematodes (*Meloidogyne incognita*) are not affected by fumigation with 1,3-dichloropropene. Weed Science Society of America, Abstracts 40:93.

White, N. McCaw, **J. Schroeder**, **S. H. Thomas**, C. Fiore, and J. Fuchs. 2000. Will surface sterilization of purple nutsedge tubers infected with root knot nematode affect the ability of root knot nematode to infect chile? Proceedings Western Society of Weed Science 53:11.

Anchieta, A. G., **J. Schroeder** and D. Daniel. 1999. Ecotypic variation in southwestern tall morningglory. Proceedings Western Society of Weed Science 52:100.

- Fiore, C., I. Ray, **J. Schroeder** and **S. H. Thomas**. 1999. A sustainable approach to nematode and nutsedge management in chile using nematode-resistant alfalfa as a rotation crop. Proceedings Western Society of Weed Science 52:10.
- Mauk, P., **S. H. Thomas**, **J. Schroeder**, and L. Higgins. 1999. Determination of southern root-knot nematode infection sites in purple and yellow nutsedges. Proceedings Western Society of Weed Science 52:17.
- McDaniel, T., **J. Schroeder**, C. Fiore and G. Foster. 1999. Effect of adjuvants and time of rainfall after application on quinclorac efficacy. Proceedings Western Society of Weed Science 52:11.
- Murray, M. W. and **J. Schroeder**. 1999. Early response of Pima cotton (*Gossypium barbadense* L.) to pyriithiobac and chilling. Weed Science Society of America, abstracts 39:325.
- Murray, M. W. and **J. Schroeder**. 1999. Effect of pyriithiobac and chilling on earliness of Pima cotton. Proceedings Western Society of Weed Science 52:101.
- Ronquillo, M., C. Fiore and **J. Schroeder**. 1999. Tall morningglory control in Roundup Ready cotton. Proceedings Western Society of Weed Science 52:57.
- Fiore, C., **J. Schroeder**, and G. Hoxworth. 1998. Pyriithiobac influence on postemergence grass herbicide efficacy in Dona Ana County, NM. Proceedings Western Society of Weed Science 51:16.
- McDaniel, T., G. Foster, P. Miller, K. Howatt, C. McDaniel, and **J. Schroeder**. 1998. Edible dry bean response to chloroacetamide herbicides and incorporation method. Proceedings Western Society of Weed Science 51:21.
- Murray, M. W. and **J. Schroeder**. 1998. Potential carryover of pyriithiobac in two New Mexico soils. Proceedings Western Society of Weed Science 51:98.
- Schroeder, J., S. H. Thomas**, and L. W. Murray. 1998. Annual and perennial weed interactions with chile peppers (*Capsicum annuum*) and root-knot nematodes. Weed Science Society of America, abstracts 38:15.9.16.
- Schroeder, J., S. H. Thomas**, and L. W. Murray. 1998. Influence of 1,3-dichloropropene fumigation on yellow and purple nutsedge association with root-knot nematodes. Proceedings Western Society of Weed Science 51:12.
- Thomas, S. H., J. Schroeder**, and L. W. Murray. 1998. Interactions among *Meloidogyne incognita*, nutsedges, and chile peppers. Journal of Nematology 30: (in press).
- Thomas, S. H., J. Schroeder**, 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:(in press).

Fiore, C. and **J. Schroeder**. 1997. The dissemination of weed seed by surface irrigation waters. Proceedings Western Society of Weed Science 50:26.

McDaniel, T., G. Foster, P. Miller, K. Howatt, C. McDaniel, and **J. Schroeder**. 1997. Edible dry bean response to chloroacetamide herbicides and incorporation depth. Proceedings Western Society of Weed Science 50:31.

Murray, M. W. and **J. Schroeder**. 1997. Response of nine cotton cultivars to pyriithiobac treatment. Proceedings Western Society of Weed Science 50:32.

Schroeder, J. and G. P. Hoxworth. 1997. Cucumber response to selected sulfonylurea herbicides. Proceedings Western Society of Weed Science 50:34.

Schroeder, J., S. H. Thomas, and L. Murray. 1997. Yellow (*Cyperus esculentus* and purple (*C. rotundus*) nutsedge response to root-knot nematodes. Weed Science Society of America, abstracts 37:136.

Sultana, A. N., **J. Schroeder, S. H. Thomas,** and L. W. Murray. 1997. Purple nutsedge, yellow nutsedge, chile peppers, and root-knot nematode interactions. Proceedings, Western Society of Weed Science 50:35.

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.

Barnes, R. J. and **J. Schroeder**. 1996. Detection of residual concentrations of imazapyr by soil bioassay techniques. Proceedings, Western Society of Weed Science 49:36.

Cox, R., **J. Schroeder,** and G. Hoxworth. 1996. Response of chile peppers to residual norflurazon and applied clomazone. Proceedings, Western Society of Weed Science 49:29.

Rios-Torres, A., **J. Schroeder,** and **T. M. Sterling**. 1996. Behavior of three ALS-inhibitors in two soils at different moisture levels. Proceedings, Western Society of Weed Science 49:35.

Schroeder, J., M. Remmenga, R. Heightman, R. S. Bowman, and B. Rao. 1996. Plant response to fluorobenzoate tracers. Weed Science Society of America, Abstracts 36:286.

Sultana, A. N., **J. Schroeder, S. H. Thomas,** L. Murray, and E. Higgins. 1996. Southern root-knot nematode interaction with purple nutsedge. Proceedings, Western Society of Weed Science 49:112.

Thomas, S. H., J. Schroeder, and L. W. Murray. 1996. Multiple pest interactions involving root-knot nematodes and annual or perennial weeds. Proceedings, Third National IPM Symposium, USDA Miscellaneous Publication 1542:284.

Thomas, S. H., J. Schroeder, and L. W. Murray. 1996. Interactions involving root-knot nematodes and annual or perennial weeds. Third International Nematology Congress (invited symposium presentation). *Nematropica* 26:227.

Covarrubias, A., **J. Schroeder, S. H. Thomas**, and L. W. Murray. 1995. The relationship between three yellow nutsedge biotypes with chile peppers and their interaction with southern root-knot nematode. *Proceedings, Western Society of Weed Science* 48:16.

Heightman, R. J., **J. Schroeder**, M. Remmenga, R. S. Bowman, and B. Rao. 1995. Tracer studies involving plant uptake of fluorobenzoates. *Proceedings Western Society of Weed Science* 48:14.

Hoxworth, G., **J. Schroeder**, and J. Libbin. 1995. Herbicide influence on yield and quality of chile pepper. *Western Society of Weed Science* 48:22.

McDaniel, C. S., and **J. Schroeder**. 1995. Dry edible bean response to chloroacetamide herbicides. *Western Society of Weed Science* 48:40.

Schroeder, J., S. H. Thomas, and L. W. Murray. 1995. Annual and perennial weed-chile pepper interactions in a root-knot infested field. *Weed Science Society of America, abstracts* 35:276.

Sultana, A. N., **J. Schroeder, S. H. Thomas**, L. Murray, and E. Higgins. 1995. Root-knot nematode interaction with chile peppers and four weedy species. *Proceedings Western Society of Weed Science* 48:15.

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.

AGRICULTURAL EXPERIMENT STATION BULLETINS/REPORTS

Schroeder, J., R. Sanderson, and A. Ulery. 2003. Weeds: an Indicator of Soil and Water Salinity and Water Loss along the Irrigation Canals. In Rossana Sallenave (ed.) *Water Task Force Publication No. 1*. New Mexico State University College of Agriculture and Home Economics.

Schroeder, J. (editor). 1997. Behavior and fate of selected sulfonyleurea and imidazolinone herbicides in the southern environment. *Southern Cooperative Series Bulletin No. 385*. Arkansas Agricultural Experiment Station, Fayetteville, AR. <http://www.msstate.edu/org/saesd>.

Lee, R. and **J. Schroeder**. 1995. Weed management in chile. Agricultural Experiment Station. Circular 548.

COOPERATIVE EXTENSION SERVICE BULLETINS/REPORTS

Corgan, J., M. Wall, C. Cramer, T. Sammis, **B. Lewis**, and **J. Schroeder**. 2000. Bulb onion culture and management. New Mexico State University Cooperative Extension Service Circular 563. 16 pages.

MISCELLANEOUS

Renz, M., **J. Schroeder**, J. Norsworthy, and C. Fiore. 2004. Weed Science Field Research Report. New Mexico State University, Departments of Extension Plant Science and Entomology, Plant Pathology, and Weed Science.

Schroeder, J. 2003. WSWS: Successes and Challenges. WSWS Presidential Address. Proceedings, Western Society of Weed Science 56:11-14.

Schroeder, J., J. Norsworthy, and C. Fiore. 2003. Weed Science Field Research Report. New Mexico State University, Department of Entomology, Plant Pathology and Weed Science.

Schroeder, J. and C. Fiore. 2002. Weed Science Field Research Report. New Mexico State University, Department of Entomology, Plant Pathology and Weed Science.

Schroeder, J. and C. Fiore. 2001. Weed Science Field Research Report. New Mexico State University, Department of Entomology, Plant Pathology and Weed Science.

Schroeder, J. and C. Fiore. 2000. Weed Science Field Research Report. New Mexico State University, Department of Entomology, Plant Pathology and Weed Science.

Schroeder, J., C. Fiore and B. Greenfield. 1999. Weed Science Field Research Report. New Mexico State University, Department of Entomology, Plant Pathology and Weed Science.

Schroeder, J. and C. Fiore. 1998. Weed Science Field Research Report. New Mexico State University, Department of Entomology, Plant Pathology and Weed Science.

Schroeder, J. and G. Hoxworth. 1997. Weed Science Field Research Report. New Mexico State University, Department of Entomology, Plant Pathology and Weed Science.

Schroeder, J. and G. Hoxworth. 1996. Weed Science Field Research Report. New Mexico State University, Department of Entomology, Plant Pathology and Weed Science.

Schroeder, J. and G. Hoxworth. 1995. Weed Science Field Research Report. New Mexico State University, Department of Entomology, Plant Pathology and Weed Science.