

JILL SCHROEDER, Ph.D.

jischroe@nmsu.edu

575/646-2328 fax 8087

Education: Ph.D. in Agronomy/Weed Science, University of Georgia, Athens, 1985
M.S. in Soil Science (Soil Microbiology), University of Minnesota, St. Paul, 1981
B.A. in Biology, Macalester College, St. Paul, MN, 1975

Current Position: Distinguished Professor
Department of Entomology, Plant Pathology and Weed Science
New Mexico State University
Box 30003, MSC 3BE
Las Cruces, NM 88007

Previous Positions:

2010-2012 Interim Department Head, Dept. of Entomol., Plant Path. and Weed Science
1999-2012 Professor, Entomol., Plant Path. and Weed Science Dept, NMSU
1993-1999 Associate Professor, Entomol., Plant Path. and Weed Sci. Dept., NMSU
1987-1993 Assistant Professor, Entomol., Plant Path. and Weed Sci. Dept., NMSU
1985-1987 Research Agronomist, USDA-ARS, Coastal Plain Expt Stn, Tifton, GA
1981-1985 Graduate Research Assistant, Agronomy Dept., Univ. of Georgia, Athens.
1979-1981 Laboratory Assistant, Plant Pathology Dept., Univ. of Georgia, Athens.
1977-1979 Graduate Research Assistant, Soil Sci. Dept., Univ. of Minnesota, St. Paul.

Research Interest: Weed management, sustainable cropping systems; weed interactions with other pests including root-knot nematodes, viruses and insect vectors; identification and mapping of weeds found on irrigation canals, and effect of improved weed management on irrigation efficiency.

Additional Professional Experience:

8th International Integrated Pest Management Symposium Steering Committee Co-Chair. 2012-2015.

National Research Council, steering committee member for National Academies of Science National Summit on Strategies to Manage Herbicide Resistant Weeds, May 2012. (National Summit Website: <http://nas-sites.org/hr-weeds-summit/>)

Panel Chair, ARS NP 304F Peer Review Panel, Office of Scientific Quality Review. 2010

7th International Integrated Pest Management Symposium Steering Committee Co-Chair. 2010-2012. Symposium was held March 26-29, 2012, Memphis, TN, 633 attendees.

Weed Science Society of America Subject Matter Expert and Liaison to Environmental Protection Agency, Office of Pesticide Programs, Registration Division, Washington, DC. 2009-2013 (<http://wssa.net/WSSA/EPAliaison/index.htm>)

Weed Science Society of America: vice-president, president-elect and program chair, president, and past president. 2005-2009

CSREES Review Team, University of Idaho, PSES Department, 2003
Cultivating Leadership for a Changing Agriculture; Shared Leadership Workshops I & II, 2002,
2003, Weed Science Society of America Team
Western Society of Weed Science: President-elect and Program Chair, President, and Past
President. 2001-04
Council for Agricultural Science and Technology Board of Directors, 2002-2005
CAST/ICL Advisory Council for Leadership for Food System Change Program, 2000-2001
CAST Conversations on Change, Team member 1995-2000
NMSU Faculty Senate – 1999-2002.
Panel Manager, USDA/CSREES National Research Initiative, Weed Biology and Weed
Management Program, 1998-1999

Review Experience:

Panel Member:

USDA/NIFA/AFRI Controlling Weedy and Invasive Plants
ARS NP 304 Peer Review Panel, Office of Scientific Quality Review
USDA/Southern Region IPM Grants
USDA/North Central IPM Grants
WRIPM Center Issues and Workgroup Grants
USDA/CSREES National Research Initiative; Weed Biology and Weed Management Program
USDA/CSREES PMAP Program
USDA/CSREES Methyl Bromide Replacement Program
USDA/CSREES CAR/RAMP programs
NIFA EIPM program

Weed Science Journal - reviewer

Weed Technology Journal - reviewer, Associate Editor - 2000-2003

other journals and proposal panels - review on an ad hoc basis

Honors and Awards:

2012 Distinguished Professor Award, NMSU
2010 Fellow Award, Weed Science Society of America
2007-08 President; Weed Science Society of America
2007 USDA/CSREES Outstanding Integrated Program in Water Resources – Team Award
to Rio Grande Basin Initiative (TAMU and NMSU)
2006 NMSU, CAHE Team Award, S. H. Thomas, L.W. Murray, I. Ray co-recipients
2005 NMSU, CAHE Team Award, Rio Grande Basin Initiative
2005-07 Vice-president and President-elect; Weed Science Society of America
2004 President; Western Society of Weed Science
2001 Fellow Western Society of Weed Science
1999 Distinguished Research Award, NMSU College of Agriculture and Home Economics
1998-00 Secretary, Board of Directors Weed Science Society of America
1997 Western Society of Weed Science Presidential Award of Merit

Grant History:

- 2007-2011 R. Creamer, S. Bundy, J. Schroeder, L. Murray. Seasonal phenology of the beet leafhopper in relation to its weed hosts and beet curly top virus infection. Western Region IPM.
- 2005-2012 J. Schroeder, R. Sanderson, A. Ulery, M. Renz, L. Murray. Identification and detection of problem and noxious weeds on irrigation canals will lead to effective weed management programs and increase water for irrigation. USDA Special Grants, Rio Grande Basin Initiative.
- 2006-2009 J. Schroeder, S. H. Thomas, L. W. Murray, J. Libbin. Root-knot nematode resistant alfalfa for suppression of the yellow and purple nutsedge and root-knot nematode complex. USDA/CSREES Pest Management Alternatives Program.
- 2005-2008 J. Schroeder, R. Sanderson, A. Ulery, M. Renz, L. Murray. Identification and detection of problem and noxious weeds on irrigation canals will lead to effective weed management programs and increase water for irrigation. USDA Special Grants, Rio Grande Basin Initiative.
- 2004-2006 J. Schroeder, S.H. Thomas, I. Ray, M. Renz. Development of management strategies for multiple pest systems on chile pepper. Chile Improvement Project, NMAES.
- 2004-2006 M. Renz, S. Walker, J. Schroeder, E. Silva. Root development of chile peppers and weed management under two different irrigation regimes. Chile Improvement Project, NMAES.
- 2004-2006 R. Creamer, J. Schroeder, and S. Hanson. Working group for curly top virus biology, transmission, ecology, and management. Western Region IPM.
- 2003-2006 R. Creamer and J. Schroeder. The influence of climate on London rocket and beet leafhoppers and their role in curly top infection of chile in New Mexico. Western Region IPM.
- 2001-2005 J. Schroeder, R. Sanderson, A. Ulery. Identification and detection of problem and noxious weeds on irrigation canals will lead to effective weed management programs and increase water for irrigation. USDA Special Grants, Rio Grande initiative.
- 1998-2003 J. Schroeder, S. Thomas, L. Murray. Nutsedge-pepper-root-knot nematode interactions in an irrigated system. CSREES/National Research Initiative.
- 1997-2004 I. Ray, J. Schroeder, S. Thomas. A sustainable approach to nematode and weed management in chile using nematode-resistant alfalfa as a rotation crop. Chile Improvement Project. NMAES
- 1995-1997 J. Schroeder. Cucumber response to low concentrations of foliar and soil applied sulfonyleurea herbicides. DuPont Corporation.
- 1994-1997 J. Schroeder, S. Thomas, L. Murray. Pepper-weed-root-knot nematode interactions in an irrigated system. CSRS/National Research Initiative.
- 1994-1996 J. Schroeder, J. Libbin. Herbicide influence on yield, quality, and cost of managing weeds in chile peppers. Western Region Pesticide Impact Assessment, National Pesticide Impact Assessment Program.
- 1994-1996 B. Lewis and J. Schroeder. Influence of alternate hosts on pepper weevil. Chile Improvement Project. NMAES

- 1992-2004 J. Schroeder and S. Thomas. Effects of multiple pest systems on chile peppers. Chile Improvement Project. NMAES.
- 1992-1994 S. Thomas, C. Liddell, C. Biles, J. Schroeder. *Phytophthora* interactions with root-knot nematodes and weeds. Chile Improvement Project. NMAES
- 1992-1994 R. Bowman, J. Schroeder. Plant uptake and plant toxicity of fluorobenzoates used as soil and groundwater tracers. CSRS Special Grants for Water Quality.
- 1991-1994 N. Christensen, J. Schroeder, T. Jones, J. Hendrickx. Chemical transport and persistence in a furrow irrigated no-till management system. CSRS Special Grants for Water Quality.
- 1991-1993 N. Christensen, J. Schroeder, J. Libbin. Economic comparisons between chemical fallow no-till farming systems and conventional clean till farming systems. Western Region Pesticide Impact Assessment.
- 1988-2013 J. Schroeder. Industry, commodity and student support.

Book chapters and edited publications:

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

Refereed Journal Publications

- Sanogo, S., J. Schroeder, S. Thomas, L. Murray, N. Schmidt, J. Beacham, C. Fiore, and L. Liess. Weed Species not Impaired by *Verticillium dahliae* and *Meloidogyne incognita* Interactions that Damage Chile Pepper. Journal of Plant Health Progress (*submitted*).
- Mohseni-Moghadam, M., J. Schroeder, J. Ashigh. 2013. Mechanism of resistance and inheritance in glyphosate resistant Palmer amaranth (*Amaranthus palmeri*) populations from New Mexico, U.S.A. Weed Science (*accepted*).
- Mohseni-Moghadam, M., J. Schroeder, R. Heerema, J. Ashigh. 2013. Resistance to Glyphosate in *Amaranthus palmeri* Populations from New Mexico. Weed Technology 27:85-91.
- Vetter, J., Ou, Z., Murray, L., Thomas, S.H., Schroeder, J. (2013) Determining the effectiveness of including spatial information into a nematode/nutsedge pest complex model. Proceedings of the 24th Annual Kansas State University Conference on Applied Statistics in Agriculture: 109-124. Manhattan, KS, April 29-May 1, 2012.
- Murray, L., S. H. Thomas, J. Schroeder, S. Kreider, Z. Ou, J. M. 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. Volume 23:128-151.

- Potter, M. T., R. J. Heerema, J. Schroeder, J. Ashigh, D. VanLeeuwen, C. Fiore. 2012. Mature Pecan Orchard Floor Vegetation Management in Southern New Mexico: Impacts on Tree Water Status, Nutrient Content and Nut Production. *HortScience* 47:727-732.
- Fiore, C., J. Schroeder, S. H. Thomas, I. Ray, L. Murray. 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, 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.
- Ray, J., J. Schroeder, R. Creamer, and L. W. Murray. 2006. Planting date affects phenology of London rocket (*Sisymbrium irio*) and interaction with beet leafhopper (*Circulifer tenellus*) in southern New Mexico. *Weed Science* 54:127-132.
- 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.
- Schroeder, J., S. H. Thomas, and L. W. Murray. 2005. Impacts of crop pests, and their management, on weeds. *Weed Science* 53:918-922.
- Thomas, S. H., J. Schroeder and L. W. Murray. 2005. The role of weeds in nematode management. *Weed Science* 53:923-928.
- Ray, J., R. Creamer, J. Schroeder, and L. W. Murray. 2005. Moisture and temperature requirements for London rocket (*Sisymbrium irio*) emergence. *Weed Science* 53:187-192.
- 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).
- Schroeder, J. 1994. Chlorimuron and imazaquin persistence in selected southern soils under controlled conditions. *Weed Science* 42:635-640.
- Schroeder, J., M. J. Kenney, S. H. Thomas, and L. Murray. 1994. Yellow nutsedge response to southern root-knot nematode, chile pepper, and metolachlor. *Weed Science* 42:534-540.
- Schroeder, J., S. H. Thomas, and L. Murray. 1993. Yellow and purple nutsedge and chile peppers host southern root-knot nematode. *Weed Science* 41:150-156.
- Schroeder, J. 1993. Late-season interference of spurred anoda in chile peppers. *Weed Science* 41:172-179.
- Elmore, C. D. and J. Schroeder. 1992. Woolly morningglory as a weed-taxonomic clarification. *Weed Technology* 6:1027-1030.
- Schroeder, J. 1992. Oxyfluorfen for postemergence weed control in hot peppers. *Weed Technology* 6:1010-1014.
- Schroeder, J. 1991. Pepper cultivar (*Capsicum annuum*) response to metolachlor in three New Mexico soils. *Weed Technology* 6:366-373.
- Schroeder, J., C. C. Dowler and J. R. Stansell. 1990. Texas panicum, *Panicum texanum* Buckl. growth as affected by irrigation management and planting date. *Weed Science* 38:374-378.
- Hanna, W. W., C. Swann, J. Schroeder, and P. Uteley. 1989. Sulfometuron for eliminating bahiagrass, *Paspalum notatum*, from centipedegrass, *Eremochloa ophiuroides*, and bermudagrass, *Cynodon dactylon*. *Weed Technology* 3:509-512.
- Schroeder, J. 1989. Wild radish control in soft red winter wheat, *Triticum aestivum*. *Weed Science* 37:112-116.
- Schroeder, J. and P. A. Banks. 1989. Soft red winter wheat, *Triticum aestivum*, response to dicamba and dicamba plus 2,4-D. *Weed Technology* 3:67-71.
- Kvien, C. S., J. Schroeder, and P. A. Banks. 1988. A field technique to study root growth in peanuts. *Agronomy Journal* 80:852-854.
- Schroeder, J. and P. A. Banks. 1986. Persistence of norflurazon in five Georgia soils. *Weed Science* 34:595-599.
- Schroeder, J. and P. A. Banks. 1986. Persistence and activity of norflurazon and fluridone in five Georgia soils under controlled conditions. *Weed Science* 34:599-606.
- Schroeder, J. and P. A. Banks. 1986. Persistence of fluridone in five Georgia soils. *Weed Science* 34:612-616.
- Schroeder, J., P. A. Banks, and R. L. Nichols. 1986. Soft red winter wheat (*Triticum aestivum*) cultivar response to metribuzin. *Weed Science* 34:66-69.

Experiment Station Publications (refereed)

- Schroeder, J., L. Murray, A. Ulery, C. Fiore, X. Liu, H. Nguyen. 2012. Identification and Detection of Problem and Noxious Weeds on Irrigation Canals will Lead to Effective Weed Management Programs and Increase Water for Irrigation: *Survey of the Vegetation and Soils*

of the Leasburg Canal System 2002-2006. AES Research Report 777:

<http://aces.nmsu.edu/pubs/research/water/RR777.pdf>.

- 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.
- 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.
- Lee, R. and J. Schroeder. 1995. Weed management in Chile. Agricultural Experiment Station. Circular 548.
- Jones, J. M., J. D. Libbin, N. B. Christensen, and J. Schroeder. 1994. Economic Comparison of Conventional and Conservation Tillage in Eastern New Mexico. NMSU Experiment Station Research Report 687.
- Schroeder, J. and C. E. Barnes. 1993. Weed control in cotton with postemergence directed herbicides. NMSU Experiment Station Technical Report Number 8.
- Schroeder, J. and N. Christensen. 1993. Weed management in conventional till grain sorghum. NMSU Experiment Station Technical Report 15.
- Banks, P. A. and J. Schroeder Kvien. 1983. Weed control evaluations in no-till soybeans (*Glycine max*) double-cropped with rye (*Secale cereale*). Research Report 431. University of Georgia College of Agriculture Experiment Stations.

Reports generated for EPA Subject Matter Expert (<http://wssa.net/WSSA/EPAliaison/index.htm>) Quarterly Reports 2009-2013.

- Schroeder J., M. VanGessel, M. Barrett, L. VanWycken, and R. Ritter. 2012. U.S. EPA Tour of Weed Resistance Management Challenges in the Mid-Atlantic Region, August 21, 2012. <http://wssa.net/WSSA/EPAliaison/documents/Herbicide%20Resistance%20Tour%20of%20MD%20and%20DE%20Tour%20Report%20Final.pdf> .
- Schroeder, J., B. Young, K. Bradley, J. Norsworthy. 2011. U.S. EPA Tour of Weed Resistance Management Challenges in Missouri, Illinois, and Arkansas, August 15-17, 2011. http://wssa.net/WSSA/EPAliaison/documents/HR%20tour%20report_August_2011.pdf.
- Schroeder, J. 2010. EPA Tour of Southern and Central New Mexico Agriculture, Rangeland, and Riparian Areas, August 2-5, 2010. <http://wssa.net/WSSA/EPAliaison/documents/EPA%20New%20Mexico%20Tour%20Report%20Final.pdf>
- Schroeder, J., K. Getsinger, L. VanWycken. 2009. U.S. EPA Florida Aquatic Pesticide Tour, May 11-14, 2009. http://www.wssa.net/WSSA/EPAliaison/documents/EPA%20Florida%20Aquatic%20Pesticide%20Tour%20Report_updated.pdf
- Vencill, W., J. Soteres, J. Jachetta, J. Schroeder. 2010. Table of Incidences of Herbicide Resistance: Report to EPA Resistance Workgroup. In J. Schroeder. 2010. Liaison to EPA Third Quarter Report. <http://wssa.net/WSSA/EPAliaison/documents/2010%20-%20WSSA%20Liaison%20to%20EPA%20third%20quarter%20report.pdf>.

Schroeder, J. and J. Soteris. 2010. Best Management Practices for Weed Management. In NACD (National Association of Conservation Districts) Herbicide Resistance Task Force Report: *Zero Tolerance, Unlimited Conservation, Infinite Possibilities, A Comprehensive, Industry Wide Weed Management Program*. September 2010.

Educational Materials (refereed)

John Soteris, Wes Everman, Les Glasgow, Lynn Ingegneri, Jill Schroeder, David Shaw, Jeff Stachler, François Tardif. 2011. Herbicide Resistance Education and Training Modules sponsored and reviewed by Weed Science Society of America.

<http://wssa.net/LessonModules/herbicide-resistant-weeds/index.htm> .

Banks, P. A., J. Schroeder, and J. B. Weber. 1991. FATE OF PESTICIDES IN THE ENVIRONMENT- Program 1: Introduction to pesticides and transport processes. 25 min video

Banks, P. A., J. Schroeder, and J. B. Weber. 1991. FATE OF PESTICIDES IN THE ENVIRONMENT- Program 2: Degradation processes and summary pesticide behavior. 25 min video.

Invited presentations-last five years

Schroeder, J. Aquatic Plant Management Society, Salt Lake City, UT, "Bridging Science to Policy - Keynote Address", (August 2012).

Schroeder, J., Kenny, D., VanWychen, L., North Central Weed Science Society General Session Keynote address, Milwaukee, WI, "Role of the WSSA Liaison to the U.S. EPA", (December 2011).

Schroeder, J., Soteris, J., Glasgow, L., American Phytopathological Society of America, Honolulu, HI, "A Technical Perspective on Managing Herbicide-Resistant Weeds", (August 2011).

Murray, L., Thomas, S., Schroeder, J., Conference on Applied Statistics in Agriculture, Kansas State University, Manhattan, KS, "Modelling the RKN-NS pest complex using the Poisson Family of Distributions: Perspectives from weed science, nematology and statistics." (May 2011).

Schroeder, J., K. Getsinger, D. Kenny, L. VanWychen. Washington State Weed Control Conference General Session Keynote Address, Yakima, WA, "Subject Matters: Weed Science at the Environmental Protection Agency" (November 2010).

Schroeder, J. Washington State Weed Control Conference, Yakima, WA, "Some Like it *HOT!*: Weed Control Issues and Research in New Mexico Chiles." (November 2010)

Abstracts and Proceedings – since 2006

(* NMSU undergraduate or graduate student presentation).

Banks, P. A., T. C. Mueller, J. Schroeder. 2013. Simulated spray drift versus spray tank contamination studies: what are the differences and why does it matter? Weed Science Society of America, abstracts 53:213.

*Holland, L. A., J. Schroeder, S. Thomas, L. Murray. 2013. Physiological and genetic comparison and host assay of purple nutsedge (*Cyperus rotundus*) and other plant species in response to the southern root-knot nematode (*Meloidogyne incognita*) and the nutsedge root-knot nematode. Proceedings, Western Society of Weed Science 66:55.

- Mohseni-Moghadam, M., J. Schroeder, J. Ashigh. 2013. Growth and Competitive ability of glyphosate-resistant Palmer amaranth (*Amaranthus palmeri*) populations from New Mexico as compared to susceptible populations. Weed Science Society of America, abstracts 53:90.
- Schroeder, J. 2013. Summary and Conclusions about the path forward. part of symposium Herbicide Resistance Management – the Path Forward. Weed Science Society of America, abstracts 53:190.
- McCloskey, W. B., J. Schroeder, J. M. Richardson. 2012. Preemergence Herbicides and Weed Management in Southwestern Pecans. Proceedings, Western Society of Weed Science 65:106.
- Mohseni-Moghadam, M., J. Ashigh, J. Schroeder. 2012. Mechanism of Resistance to Glyphosate in Palmer Amaranth (*Amaranthus palmeri*) Populations from New Mexico. Proceedings, Western Society of Weed Science 65:98.
- Mohseni-Moghadam, M., J. Ashigh, J. Schroeder. 2012. Weed Control and Resistance Management in NM Pecan Orchards. Proceedings, Western Society of Weed Science 65:107.
- Schroeder, J., W. Everman, L. Glasgow, L. Ingegneri, D. Shaw, J. Soteres, J. Stachler, F. Tardif. 2012. Herbicide Resistance Education from WSSA - A Critical Step in Proactive Management. Proceedings, Western Society of Weed Science 65:95. (the same talk was presented at the national and regional weed science meetings in 2012 by different authors).
- Schroeder, J., Heilman, M. *Equisetum hyemale* (Scouringrush) Response to Sonar Genesis™ (a.i. Fluridone) and Clearcast™ (imazamox) (vol. 57). Aquatic Plant Management Society. <http://apms.org/wp/wp-content/uploads/2012/10/2012program.pdf>
- Schroeder, J., D. Kenny. 2012. EPA SUBJECT MATTER EXPERT: Update on activities. Weed Science Society of America, abstracts 52: 397.
- Schroeder, J., Kenny D., and L. VanWychen. 2011. Role of the WSSA Liaison to the U.S. EPA. North Central Weed Science Society of America Proceedings (*in press*). Invited General Session presentation.
- Schroeder, J., C. Fiore, S. Thomas, J. Trojan, S. Sanogo, L. Liess, N. Schmidt, L. Murray. 2011. Spurred anoda, tall morningglory, and Wright's groundcherry are not affected by *Meloidogyne incognita* and *Verticillium dahliae*. Weed Science Society of America Abstracts 51:102.
- Fiore, C., J. Schroeder, S. Thomas, L. Murray, J. Trojan, N. Schmidt. 2011. Comparison of seed production and germinability in the annual weeds *Anoda cristata*, *Ipomoea purpurea*, and *Physalis wrightii* with and without *Meloidogyne incognita* inoculation. Proceedings Western Society of Weed Science 64:48.
- Schroeder, J., W. Everman, L. Glasgow, L. Ingegniri, D. Shaw, J. Soteres, J. Stachler, F. Tardif. 2011. Herbicide resistance education and training modules sponsored by WSSA. Proceedings Western Society of Weed Science 64: 94. (similar presentations were made by each author at the national weed science and all regional weed science meetings).
- Hill, J., J. Schroeder, L. Murray, J. Ashigh, A. Ulery. 2010. Changes in *Equisetum hyemale* densities and life stage on irrigation canals in southern New Mexico. Weed Science Society of America, abstracts 50 (<http://wssa.net/Meetings/WSSAAbstracts/abstractsearch.php>)

- Fiore, C., J. Schroeder, N. Schmidt and L. Murray. 2010. A Comparative Analysis of Water-use by Greenhouse-grown Weeds Commonly Found on the Leasburg Canal System in Southern New Mexico. *Proceedings Western Society of Weed Science* 63:38.
- Schroeder, J., K. Getsinger, D. Kenny, L. VanWycken. 2010. WSSA Subject Matter Expert for the Office of Pesticide Programs at the USEPA: Goals, Activities, Vision. *Proceedings, Western Society of Weed Science* 63:85.
- Schroeder, J., K. Getsinger, D. Kenny, L. VanWycken. 2010. WSSA Subject Matter Expert for the Office of Pesticide Programs at the USEPA: Goals, Activities, Vision. *Weed Science Society of America*, abstracts 50 (<http://wssa.net/Meetings/WSSAAbstracts/abstractsearch.php>)
- 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.
- *McCarson, K. J. Schroeder, C. Fiore, S. Thomas, J. Trojan. 2009. Interactions of: *Ipomoea purpurea*, *Anoda cristata*, *Physalis wrightii*, and *Capsicum annuum* with *Meloidogyne incognita* and *Verticillium dahlia*. *Western Society of Weed Science, Proceedings* 62: 24.
- 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 southern root-knot nematode (*Meloidogyne incognita*). *Weed Science Society of America*, abstracts 49: 220.
- 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.
- *Ebler, J. L., J. Libbin, J. Schroeder, S. H. Thomas, and L. Murray. 2008. Economics of crop rotation for integrated pest management in chile pepper. *Western Society of Weed Science, Proceedings* 61:8.
- Fiore, C. J. Schroeder, A. Ulery, and L. Murray. 2008. Water use analysis of greenhouse grown weeds common on the Leasburg canal system in Dona Ana County, New Mexico. *Western Society of Weed Science, Proceedings* 61:24.
- Schroeder, J., S. H. Thomas, L. Murray, C. Fiore, J. Trojan, and J. Libbin. 2008. Challenges for Integrated *Cyperus rotundus* and *C. esculentus* Management in Irrigated Systems Infested with *Meloidogyne incognita*. *International Weed Science Congress* 5:12.
- 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. *5ICN Congress*
- Fiore, C., X. Liu, J. Schroeder, L. Murray, and A. Ulery. 2007. Survey of vegetation and soils on irrigation canals in southern New Mexico. *Weed Science Society of America, Abstracts Vol.* 47:87.
- Fiore, C., X. Liu, J. Schroeder, L. Murray, and A. Ulery. 2007. Survey of souring rush and soils on irrigation canals in southern New Mexico. *Western Society of Weed Science, Proceedings* 60:30.
- *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. *Western Society of Weed Science, Proceedings* 60:37.

- Schroeder, J., S. C. Nunez, S. H. Thomas, L. W. Murray. 2007. Early season irrigation affects initial development of yellow nutsedge, purple nutsedge, and root-knot nematode. *Western Society of Weed Science, Proceedings* 60:39.
- Trojan, J., 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.
- Fiore, C., X. Liu, J. Schroeder, S. Schuster, L. Murray, R. Sanderson, M. Renz, A. Ulery, O. El-Sebai. 2006. Vegetation on irrigation canals in southern New Mexico. *Proceedings, Western Society of Weed Science* 59:46.
- *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.

Unnumbered reports: 1989-present

<http://eppws.nmsu.edu/research-programs.html>

TEACHING ACTIVITIES:

Courses taught

EPWS/AGRO 311/511 Introduction to Weed Science (4 hr): undergraduate/graduate course taught each fall semester.

Other courses taught as needed include seminar, special problems and special topics.