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Education

B.S. in Botany, Eastern Illinois University
M.S. in Horticulture, University of Illinois
Ph.D. in Agronomy (Weed Science), Oklahoma State University

Professional Background

Visiting Professor, Extension Weed Science, University of Arkansas (2010 – present)
Professor and Extension Weed Scientist, University of Arkansas (1982 - 2009)
Assistant Professor, California Polytechnic State University (1975-1978)
Instructor, Joliet Community College (1973-1975)

Awards

2010 - Distinguished Service Award from the Arkansas Turfgrass Association.
2006 - University of Arkansas John White Outstanding Extension Educator Team Award.
2002 - Promoted to Distinguished Professor.
2002 - Outstanding Extension Specialist Award. Arkansas. Assoc. of Coop. Ext. Specialists.
2002- Outstanding Extension Specialist Award. Weed Science Society of America.
2000- University of Arkansas. John White Outstanding Extension Educator Award.
1981 - First place, Southern Weed Science Society Graduate Student Contest.

Consulting

Over the past 27 years, as an Extension Weed Scientist for the University of Arkansas, I have investigated hundreds of herbicide damage incidents within the state of Arkansas. These include herbicide drift, runoff, misapplication, accidental spills and vandalism on a wide variety of crops. In addition, I have worked outside the state as an expert in many herbicide damage cases. These are listed below.

Marks, Marks and Shell, Attorneys at Law. Clarksville, Tennessee. October 15, 1985. Expert for Ring-A-Round Seed Co. in case alleging johnsongrass contamination in lespedeza seed.

Kelly, Appleman, Hart and Hallman. Attorneys at Law. Fort Worth, TX. 1985. Herbicide drift on several crops.

Secrest & Hill Attorneys at Law. Tulsa, OK. Spike (tebuthiuron) injury to oak trees. August 1987.

Robinson, Locke, Gage, Fite and Williams. Attorneys at Law. Muskogee, OK. Paraquat damage on alfalfa. 1987.

Boettcher and Ryan. Attorneys at Law. Tulsa, OK. 2,4-D + Banvel injury on gardens and trees . 1987.

Hamilton & Carroll. Attorneys at Law. Oak Grove, LA. Stam (propanil) drift on vegetables. 1987.

Smith, Helms, Mullis and Moore. Attorneys at Law. Greensboro, NC. Fertilizer/herbicide contamination. 1987.

Maloney and Smith. Attorneys at Law. Dallas, TX. Paraquat drift on pecans. 1988.

Davis Ag Consultants, Inc. Leland, MS. Paraquat drift on pecans in west Texas. 1988.

Pierce, Couch, Hendrickson, Johnston and Baysinger. Attorneys at Law. Oklahoma City, OK. Paraquat damage on alfalfa. 1988.

Logan and Logan. Attorneys at Law. Prairie Village, KS. Simazine injury on bentgrass putting greens. 1988.

Garvin, Agee and Roberson. Attorneys at Law. Pauls Valley, OK. Paraquat injury, alfalfa. 1989.

McHe Farms. Bonita, Louisiana. Stam (propanil) damage on vegetable crops. May 1989.

Farm Bureau Insurance of Mississippi. Paraquat drift on ornamental greenhouse crops. July 1993. Edwards, MS.

Lake Region Electric Cooperative. Tahlequah, OK. Herbicide performance failure on utility right of ways. March, 1994.

Goree & King, Attorneys at Law. Tulsa, OK. 2, 4-D drift on pecans. July, 1994.

Kelly, Hart & Hallman, Ft. Worth, TX. Attorneys at Law. Grazon P+D drift on watermelons. 1995.

Dauzat, Falgoust, Caviness, Bienvenu and Stipe, Attorneys at Law. Opelousas, LA. Command drift on live oaks. 1995.

Newcombe & Redman, Attorneys at Law. Lawton, OK. Offsite movement of Spike (tebuthiuron) and damage to trees. May 1996.

Atkinson, Haskins, Nassis, Boudreaux, Holeman, Phipps & Brittingham, Attorneys at Law. Tulsa, OK. Offsite movement of Spike (tebuthiuron) and resulting damage to oak trees. May 1996.

Hardin, Dawson and Terry. Attorneys at Law. Ft. Smith, AR. Utility right-of-way brush control herbicide performance dispute in Mississippi. 1997.

Lindner, Bolt and Marquez. Attorneys at Law. Garden City, KS. 2, 4-D drift on fruit and ornamentals. 1997.

Holtzman, Urquhart, P.C. Houston, TX. Attorneys at Law. Atrazine injury on hybrid bermudagrass sod. 1997.

Fillmore & Purtle, Attorneys at Law. Wichita Falls, TX. Herbicide drift on vegetable and fruit crops. 1997.

Torres, Russell, Tschirhart & Gamble, Attorneys at Law. Castroville, TX. Atrazine damage on bermudagrass sod. 1997.

Thompson Law Firm, Conway, SC. Prograss damage to hybrid bermudagrass on golf course fairways and tees. 1998.

Davenport, Files & Kelly Law Firm. Monroe, LA. 2, 4-D drift on sweet potatoes. 1999.

Super Sod. Orangeburg, South Carolina. 2, 4-D drift on tomatoes. 1999.

Northup & McConnell, PLLC. Attorneys at Law. Asheville, N.C. 28801. 2,4-D drift on tomatoes. 1999.

LeGrand and Bernstein. Attorneys at Law. San Antonio, Texas. 2,4-D and picloram drift on live oak trees. 1999.

Howell, Dorman, Anderson, Berg & Smyer. Attorneys at Law. Ft. Worth, Texas. 2, 4-D and picloram drift on rangeland. 2000.

Webb, Sanders, Balducci & Smith. Attorneys at Law. Tupelo, Mississippi. Paraquat, metolachlor and atrazine injury on bermudagrass sod. 2001.

Gibbs, Harmon, Daniels and Borochoff. Attorneys at Law. Tulsa, Oklahoma. Spike (tebuthiuron) injury on trees. 2001.

Pray, Walker, Jackman, Williamson & Marlar. Attorneys at Law. Tulsa, Oklahoma. Karmex (diuron) injury on Tifway bermudagrass. 2001.

James Hugh Potts II. Atlanta, Attorney at Law. Georgia. 2, 4-D drift on ornamental nursery plants. 2002.

Thompson Coburn LLP. Attorneys at Law. St. Louis, Missouri. Preemergence herbicide (dithiopyr and pendimethalin) performance dispute for crabgrass control. 2002.

Martin & Cukjati, LLP. Attorneys at Law. San Antonio, Texas. Plateau (imazapic) injury on forage bermudagrass. 2002

Atkinson, Haskins, Nassis, Boudreaux, Holeman, Phipps & Brittingham, Attorneys at Law. Tulsa, OK. of Remedy (triclopyr) and Spike (tebuthiuron). 2003.

Porteus, Hainkel and Johnson. Attorneys at Law. New Orleans, LA. 2003. Hyvar (bromacil) damage on trees.

Mitchell, Williams, Selig and Gates and Woodyard. Attorneys at Law. Little Rock, AR. 2009-2010. 2, 4-D drift on cotton.

Carroll Electric Cooperative Corporation. Berryville, AR. Consulting on right-of-way herbicide use. 2010.

Tidwell Flying Service. Carlisle, AR. Grazon P+D drift on several crops. 2010.

Luks, Santaniello, Petrillo, Gold & Jones. Attorneys at Law. Palm Beach, FL. Turfgrass damage on a golf course. 2010.

Calfee, Halter & Griswold. Attorneys at Law. Cleveland, OH. Herbicide damage on turfgrass. 2010.

Hughes and Hughes Law Firm. Arkadelphia, AR. Surmount herbicide drift. 2011.

Swanson Midgley LLC. Kansas City, MO. Picloram damage at Powell Gardens. 2011.

Professional Affiliations

Weed Science Society of America
Southern Weed Science Society
Arkansas Turfgrass Association
Arkansas Golf Course Superintendents Association

Journal Articles

Hymowitz, T. and J. W. Boyd. 1977. Origin, ethnobotany, agricultural potential of winged bean - *Psophocarpus tetragonolobus*. *Economic Botany*. 31:180-189.

Boyd, J.W. and D.S. Murray. 1982. Growth and development of silverleaf nightshade (*Solanum elaeagnifolium*). *Weed Science*. 30:238-243.

Boyd, J. W. and D. S. Murray. 1982. Effects of shade on silverleaf nightshade (*Solanum elaeagnifolium* Cav.) *Weed Science* 30:264-269.

Boyd, J. W., D. S. Murray, and R. J. Tyrl. 1984. Silverleaf nightshade (*Solanum elaeagnifolium*) Origin, distribution and relation to man. *Economic Botany*. 38(2):210-217.

Yeiser, J. L., J. W. Boyd. 1988. Survival and growth two years after control of herbaceous competitors in newly planted seedlings of loblolly pine. *Proceedings of the Arkansas Academy of Science*. 42:102-104.

Yeiser, J. L., J. W. Boyd and D. J. Reed. 1987. Control of herbaceous competitors in progeny tests using container grown seedlings. *Proceedings of the Arkansas Academy of Science*. 42:105-107.

Boyd, J.W. and J.H. Baird. 1997. Herbicide effects on sprig establishment of El Toro zoysiagrass (*Zoysia japonica*) and Midlawn bermudagrass (*Cynodon dactylon* x *Cynodon transvaalensis*). *Proceedings of the International Turfgrass Society*. 8:1025-1032.

Richardson, M.D. and J.W. Boyd. 2001. Establishing *Zoysia japonica* from sprigs: effects of topdressing and nitrogen. *HortScience* 36(2): 377-379.

Richardson, M.D., J.W. Boyd, and J.H. McCalla. 2003. A net-planting technique for establishing zoysiagrass from sprigs. *HortTechnology* 13:8-10.

J.H. McCalla Jr., M.D. Richardson, D.E. Karcher, and J.W. Boyd. 2004. Tolerance of Seedling Bermudagrass to Postemergence Herbicides . *Crop Sci*. 44:1330-1336.

Richardson, M.D., D.E. Karcher, and J.W. Boyd. 2004. Seeding date and cultivar affect winter survival of seeded bermudagrass. *USGA Turfgrass and Environmental Research Online* 3(13): 1-8.

M.D. Richardson, J.H. McCalla J.W. Boyd, D.E. Karcher, and J.W. Landreth. 2005. Tolerance of Zoysiagrass Seedlings to Postemergence Herbicides . *Research Journal of the International Turfgrass Society*.10:1240-

Richardson, M.D., J.H. McCalla, J.W. Boyd, D.E. Karcher and J.W. Landreth. 2005. Tolerance of Riviera bermudagrass to MSMA tank mixtures with postemergence herbicides during establishment from seed. *Applied Turfgrass Science*. Published July 18, 2005.

M.D. Richardson, J.H. McCalla, J.W. Boyd, D.E. Karcher and J.W. Landreth. 2005. Tolerance of zoysiagrass seedlings to postemergence herbicides. *International Turfgrass Society Research Journal*, 10:1240-1241.

M.D. Richardson, J.H. McCalla, J.W. Boyd, D.E. Karcher and Josh Landreth. September 2005. Postemergence Herbicides for Establishing Zoysiagrass from Seed. *Golf Course Management*. pp. 87-91.

M.D. Richardson, J.H. McCalla, J.W. Boyd, D.E. Karcher and Josh Landreth. February 2006. Choosing appropriate herbicides for establishing bermudagrass from seed. *USGA Turfgrass and Environmental Research Online*. 5(3):1-9

Summerford, J., D. Karcher, M. Richardson, A. Patton and J. Boyd. 2008. Seeding rate effects on the quality and traffic tolerance of overseeded meadow fescue and tetraploid perennial ryegrass. *Arkansas Turfgrass Report 2007*, Ark. Ag. Exp. Stn. Res. Ser. 557:91-95. Peer reviewed.

Patton, A.J., M.D. Richardson, D.E. Karcher, J.W. Boyd, Z.J. Reicher, J.D. Fry, J.S. McElroy, and G.C. Munshaw. 2007. A guide to establishing seeded bermudagrass in the transition zone. [Online]. Available at www.plantmanagementnetwork.org/ats/. *Appl. Turfgrass Sci.* In press.

Karcher, D.E., J. Summerford, M.D. Richardson, J.W. Boyd, and A.J. Patton. 2008. Managing *Festuca pratensis* and tetraploid *Lolium perenne* as an overseeded turf on athletic fields. *Proceedings European Turfgrass Soc. Conf.* 1:103-104.

Rolfe, R., M. Richardson, J. McCalla, J. Boyd, A. Patton and D. Karcher. 2008. Impact of common annual bluegrass control programs on overseeded meadow fescue and tetraploid ryegrass. *Arkansas Turfgrass Report 2007*, Ark. Ag. Exp. Stn. Res. Ser. 557:71-75. Peer reviewed.

Rolfe, R., M. Richardson, J. McCalla, J. Boyd, A. Patton and D. Karcher. 2008. Transition herbicide effects on overseeded meadow fescue and tetraploid perennial ryegrass. *Arkansas Turfgrass Report 2007*, Ark. Ag. Exp. Stn. Res. Ser. 557:76-79. Peer reviewed.

Summerford, J., D. Karcher, M. Richardson, A. Patton and J. Boyd. 2008. Cultural practices to improve the performance of overseeded meadow fescue and tetraploid ryegrass. *Arkansas Turfgrass Report 2007*, Ark. Ag. Exp. Stn. Res. Ser. 557:85-90. Peer reviewed.

Research Series/Experiment Station Bulletins

Yeiser, J. L., J. W. Boyd and E. G. Sundell. 1987. Preplant and postplant treatments for weed control in newly transplanted pines. *University of Arkansas Agriculture Experiment Station Bulletin No. 902*. 10 pp.

Boyd, J.W. 1989. Using herbicides to suppress endophyte infected tall fescue. *Proceedings of the University of Arkansas Fescue Toxicosis Conference*. University of Arkansas Agriculture Experiment Station Special Report 140. p. 49-54.

Boyd, J.W. and B.N. Rodgers. 1999. Bermudagrass control with Arsenal. J.R. Clark and M.D. Richardson, (eds.). *Horticultural Studies –1999*. Ark. Agr. Expt. Sta., Res. Series 475. p. 95-97.

Richardson, M.D., E.P. Bordelon, J.W. Boyd and B.N. Rodgers. 1999. Methods of propagating zoysiagrass from sprigs. J.R. Clark and M.D. Richardson, (eds.). Horticultural Studies –1999. Ark. Agr. Expt. Sta., Res. Series 475. p. 109-113.

Boyd, J.W. and B.N. Rodgers. 1998. Zoysiagrass herbicide tolerance. J.R. Clark and M.D. Richardson, (eds.). Horticultural Studies –1998. Ark. Agr. Expt. Sta., Res. Series 466. p. 55-57.

Richardson, M.D., K.L. Hensler, J.W. Boyd, J.W. and Jeff Elliot. 1998. Performance of creeping bentgrass cultivars in Arkansas. J.R. Clark and M.D. Richardson, (eds.). Horticultural Studies –1998. Ark. Agr. Expt. Sta., Res. Series 466. p. 55-57.

J.H. McCalla, Jr., M.D. Richardson, J.W. Boyd, and D.E. Karcher. 2001. Herbicide strategies for establishment of newly seeded bermudagrass, In J.R. Clark and J. Lindstrom, Editors, Horticultural Studies 2000. Arkansas Agricultural Experiment Station, Research Series.

Abstracts

Boyd, J. W. and D. S. Murray. 1979. Influence of CGA-43089 on the performance of metolachlor. Proc. So. Weed Sci. Soc. 32:56

Thilsted, E., J. W. Boyd, M. D. Boyles and D. S. Murray. 1979. Ethephon activity on four selected row crops. Proc. So. Weed Sci. Soc. 32:30.

Boyd, J. W. and D. S. Murray. 1980. Weed competition and control in mungbeans. Proc. So. Weed Sci. Soc. 33:34.

Wilhm, J. L., J. W. Boyd and D. S. Murray. 1981. Herbicide-cultivation interaction for weed control in mungbeans. Proc. No. Cent. Weed Control Conf.

Boyd, J.W. and D.S. Murray. 1981. Environmental factors influencing the growth of silverleaf nightshade (*Solanum elaeagnifolium* Cav.) from established perennials. Proc. So. Weed Sci. Soc. 43:257.

Boyd, J. W. and D. S. Murray. 1981. Germination and development of silverleaf nightshade (*Solanum elaeagnifolium* Cav.) Abstr. Weed Sci. Soc. America. 176:82.

Boyd, J. W. 1983. Effectiveness of three soil applied herbicides for control of eastern red cedar. Abstr. AR Agri. Pest. Assoc. 22:19.

Boyd, J. W. 1983. Effects of pasture weeds on pasture and hay quality. Proc. Arkansas Forage and Grassland Council.

Boyd, J. W., J. P. Spradley and B. W. Griffin. 1984. Tall fescue control. Abstr. AR Agric. Pest. Assoc. 23:32.

Spradley, J.P., F.L. Baldwin, J.W. Boyd and G.L. Morris. 1984. Ryegrass as an increasing problem in wheat. Abstr. AR Agric. Pest. Assoc. 23:9.

Boyd, J.W. 1984. Weed control in Virginia pine Christmas trees. Proc. of the So. Weed Sci. Soc. 37:209.

Boyd, J.W. 1985. Bermudagrass release on roadsides. Proc. of the So. Weed Sci. Soc. 38:358.

- Boyd, J.W. 1985. Embark and the fescue endophyte in Arkansas. Proc. of the So. Weed Sci. Soc. 38:358.
- Boyd, J.W. 1985. Herbicides for pastures. Proc. Kerr Foundation Forage Seminar. Poteau, Oklahoma.
- Boyd, J. W., F. L. Baldwin and J. P. Spradley. 1985. Weed control in grain sorghum. Abstr. AR Agric. Pest. Assoc. 24:13.
- Boyd, J. W. 1986. Weed control in pastures. Proc. Five States Forage Conf. Shreveport, LA.
- Boyd, J. W. 1986. Effect of mefluidide on tall fescue. Proc. So. Weed Sci. Soc. 39:121.
- Yeiser, J. L. and J. W. Boyd. 1986. Mechanical and chemical treatments for pine seedling release. Proc. So. Weed Sci. Soc. 39:191.
- Boyd, J. W. 1986. Burning bermudagrass. Proc. AR Forage and Grassland Council.
- Boyd, J. W. 1986. Weed control in Christmas trees. Proc. OK Hort. Ind. Show. Tulsa, OK. p. 45-49.
- Boyd, J. W. 1986. Goosegrass (*Eleusine indica*) control in turf. Abstr. AR Agric. Pest. Assoc. 25:5.
- Yeiser, J. L. and J. W. Boyd. 1987. Herbicides for pine seedling release. Proc. So. Weed Sci. Soc. 40:199.
- Yeiser, J. L. and J. W. Boyd. 1987. Seedling growth two years after mechanical and herbicidal treatments. Proc. So. Weed Sci. Soc. 40:216.
- Yeiser, J. L., E. G. Sundell and J. W. Boyd. 1987. Mechanical and herbicidal treatments for release of five sources of pine seedlings from herbaceous competition. Abstr. Weed Sci. Soc. Amer. 27:29 (76).
- Boyd, J. W. 1987. Weed control for fencerows and bermudagrass. Proc. of the Southwest Arkansas Area Forage Workshop. p. 30-36.
- Boyd, J. W. 1987. Weed science educational needs of county extension agents. AR Agric. Pest. Assoc. 27:31.
- Boyd, J.W. 1987. Techniques for slide presentations. Proc. of the So. Weed Science Soc. 40:347-351.
- Boyd, J. W. 1988. Arkansas forage weed survey. Proc. of the So. Weed Sci. Soc. 41:113.
- Boyd, J. W. 1988. Photographing weeds. Proc. of the So. Weed Sci. Soc. 41:310.
- Boyd, J. W. and F. L. Baldwin. 1988. Economic losses due to weeds. Proc. of the So. Weed Sci. Soc. 41:385-394.
- Yeiser, J. L. and J. W. Boyd. 1988. Control of herbaceous competitors in progeny tests. Proc. of the So. Weed Sci. Soc. 41:188-191.

- Boyd, J.W. 1988. Forage Weed Control Will Pay Dividends. Proc. of the Arkansas Forage and Grassland Conference. October 27, 1988. p. 25-27.
- Boyd, J.W. 1989. Winter Weed Control in Turfgrass. Abstr. AR Agric. Pest. Assoc. 28: 25.
- Yeiser, J.L. and J.W. Boyd. 1989. Controlling herbaceous competitors impacts seedling survival and growth. Abstr. AR Agric. Pest. Assoc. p. 28:20.
- Boyd, J.W. 1989. Diagnosing herbicide injury. Proc. of the Weed Sci. Soc. of Amer. No. 109. p. 48.
- Boyd, J.W. 1989. MSMA plus iron for turf. Proc. of the South. Weed Sci. Soc. 42:141.
- Boyd, J.W. 1989. Christmas tree weed survey. Proc. of the South. Weed Sci. Soc. 42:170.
- Boyd, J.W. 1989. Extension result photographs for weed science. Proc. of the South. Weed Sci. Soc. 42:308-310.
- Yeiser, J.L. and J.W. Boyd. 1989. Season and rate of application for streamlining. Proc. of the So. Weed Sci. Soc. 42:190-196.
- Yeiser, J.L. and J.W. Boyd. 1989. Control of herbaceous competitors yields two year seedling response. Proc. of the So. Weed Sci. Society. 42:181-188.
- Boyd, J.W. 1990. Bahiagrass control in Arkansas pastures. Abstr. AR Agric. Pesticide Association. 29:29.
- Boyd, J.W. 1990. Metsulfuron performance in Arkansas pastures. Proc. of the So. Weed Sci. Soc. 43:144.
- McCarty, J.T., R.E. Talbert and J.W. Boyd. 1990. Reduced herbicide rates in vegetable crops. Proc. of the So. Weed Sci. Soc. 43:173.
- Boyd, J.W. 1990. Christmas tree weed control update. Proc. of the 9th Annual Okla. Hort. Ind. Show. p. 85-86.
- Boyd, J.W. 1990. Cover crops for weed suppression. Proc. of the Arkansas State Horticultural Society.
- Boyd, J.W. 1990. Using postemergence herbicides in warm-season turfgrasses. Proc. of the AR Agric. Pesticide Association. 29:18.
- McCarty, J.T., R.E. Talbert and J.W. Boyd. 1990. Response of ten weed species to reduced vegetable herbicide rates. Proc. AR Agric. Pesticide Association. 29:10.
- Boyd, J.W. 1991. Goosegrass control in turf. Proc. of the Ar. Agric. Pesticide Assoc. 30:27.
- Boyd, J.W. 1992. Tufted lovegrass control in zoysiagrass sod. Proc. of the So. Weed Sci. Soc. 45:126.
- Boyd, J.W. 1991. Weed control in cantaloupes with plastic mulch. Proc. of the Ar. State Hort. Soc. Nov. 21, 1991.
- Boyd, J.W. 1991. Common bermudagrass eradication in pastures. Proc. of the So. Weed Sci. Soc. 44:189.

- Van Pelt, K.L. and J.W. Boyd 1992. Dogfennel control in pastures. Proc. of the So. Weed Sci. Soc. 45:124.
- Boyd, J.W. and K.L. Van Pelt. 1992. Perennial weed control in pastures. Abstr. of the AR. Agric. Pest. Assoc. 31:23.
- Boyd, J.W. 1993. Weed control in hardwood seedlings. Proc. of the So. Weed Sci. Soc. 46:163.
- Boyd, J.W. 1992. New Herbicides for Forage Crops. Proc. of the AR Forage and Grassland Conference. p. 13.
- Boyd, J.W. 1993. Pasture weed control. Proc. of the Central Ozarks Grassland Conference
- Boyd, J.W. 1993. Preemergence annual grass control in bermudagrass turf. Abstr. of the AR. Agric. Pest. Assoc. 32:22.
- Boyd, J.W. 1994. Nutsedge suppression in bermudagrass turf. Proc. of the So. Weed Sci. Soc. 47:75.
- Boyd, J.W. 1994. Goosegrass (*Eleusine indica* (L.) Gaertn. control with preemergence herbicides. Abstr. of Weed Sci. Soc. of Amer. 34:24.
- Boyd, J.W. 1993. Pasture brush control. Proc. of the 20th Meeting of the Arkansas Forage and Grassland Council. 20:17.
- Boyd, J.W. 1994. Winter weed control in dormant bermudagrass pastures. Proc. of the 21st Meeting of the Arkansas Forage and Grassland Council. 21:29-30.
- Boyd, J.W. and K.L. Van Pelt. 1994. Winter weed control in bermudagrass pastures. Abstr. of the AR. Agric. Pest. Assoc. 33:16.
- Boyd, J.W. and K.L. Van Pelt. 1995. Persimmon (*Diospyros virginiana*) control in pastures. Proc. of the So. Weed Sci. Soc. 48:91.
- Boyd, J.W. 1995. Weed control in spring grass pastures. Proceedings of the 22nd Meeting of the Arkansas Forage and Grassland Council. 22:3. October 26, 1995.
- Boyd, J.W. 1996. Large crabgrass (*Digitaria sanguinalis* (L.) Scop.) control in common bermudagrass (*Cynodon dactylon* (L.) Pers.) turf with reduced rates of preemergence herbicides. Abstr. of the Weed Sci. Soc. Of America Proc. 36:72.
- Boyd, J.W. 1996. Johnsongrass control in bermudagrass. Proc. of the So. Weed Sci. Soc. 49:130.
- Boyd, J.W. and K.L. Van Pelt. 1996. Perennial weed control in pastures. Proc. of the So. Weed Sci. Soc. 49:63.
- Boyd, J.W. 1996. Weed control during establishment of 'Midlawn' bermudagrass and 'El Toro' zoysiagrass. Proc. of the So. Weed Sci. Soc. 49:70.
- Boyd, J.W. 1997. Influence of prodiamine on turfgrass establishment. Proc. of the South. Weed Sci. Soc. 50:73.

- Boyd, J.W. 1997. Green kyllinga control in bermudagrass turf. Proc. of the Arkansas Crop Protection Association Research Conference. 1:10.
- Boyd, J.W. 1998. Purple nutsedge control in bermudagrass turf. Abstr. of the Weed Sci.Soc.of America. 38:18.
- Boyd, J.W. 1998. Johnsongrass control with MON37500. Proc. of the So. Weed Sci. Soc. 51: 193.
- Boyd, J.W. 1998. Use of herbicides for weed control during turfgrass establishment. Proc. of the So. Weed Sci. Soc. 51: 83.
- Boyd, J.W. and James Robbins. 1999. Weed control in container ornamentals. SNA Research Conference. Vol. 44, 1999.
- Boyd, J.W. 1999. Bermudagrass eradication with herbicides. Abstr. Of the Amer. Soc. of Agron. p. 139.
- Boyd, J.W. and B.N. Rodgers. 2000. Winter weed control in bermudagrass with reduced rates of isoxaben. Proc. of the So. Weed Sci. Soc.
- Boyd, J.W. and B.N. Rodgers. 2000. Preemergence crabgrass control with consumer products. Proc. of the So. Weed Sci. Soc.
- Boyd, J.W. B.N. Rodgers and J.L. Robbins. 2000. Weed control in color beds. Abstr. of the Weed Sci. Soc. of Am. 40:115.
- McCalla, J.H. M.D. Richardson, J.W. Boyd and D.E. Karcher. 2000. Using charcoal banding and preemergence herbicides to establish seeded bermudagrass. Proc. of the Ar. Crop Protection Assoc.
- J.H. McCalla, Jr., M.D. Richardson, J.W. Boyd, and D.E. Karcher. 2000. Pre- and post-emergence herbicide tolerance of newly seeded bermudagrass, Agronomy Abstracts, ASA, Madison WI.
- Boyd, J.W. and B.N. Rodgers. 2001. Simulated drift effects from turfgrass herbicides on ornamentals. Abstr. of the Weed Science Society of America.
- Boyd, J.W. and B.N. Rodgers. 2001. Bermudagrass control with imazapyr. Proc. of the So. Weed Sci. Soc.
- Boyd, J.W., F.H. Yelverton and T.R. Murphy. 2001. Crabgrass control with fall applied herbicides. IXth International Turfgrass Res. Conf. July 15-21, Toronto, Canada.
- Boyd, J.W. 2002. Weed control in bermudagrass turf with trifloxysulfuron. Proc. of the Weed Sci. Soc. of Am. 42:78.
- Boyd, J.W., M.D. Richardson and D.E. Karcher. 2002. Using digital photography to quantify the effects of herbicides on turfgrass growth. Proc. of the So. Weed Sci. Soc. 55:56.
- Boyd, J.W. and B.S. Griffin. 2002. Imazapic performance in bermudagrass pastures. Proc.of the Ar. Crop Protection Assoc. Research Conference. 5:13.

- Boyd, J.W., B.S. Griffin and R.S. Milliken. 2003. Weedy grass control in forage bermudagrass. Proc. of the South. Weed Sci. Soc. 56: 81.
- Boyd, J.W. 2003. Early postemergence crabgrass control with dithiopyr and pendimethalin. Proc. of the So. Weed Sci. Soc. 56: 100.
- Boyd, J.W. 2003. The effect of diuron on Tifway bermudagrass. Proc. of the West. Soc. of Weed Sci. 56:39-40.
- Boyd, J.W. and T.R. Murphy. 2004. Clumpy ryegrass control in bermudagrass. Proc. of the Weed Sci. Soc. of Am. 44:61.
- Boyd, J.W., M.D. Richardson and J.H. McCalla. 2004. Herbicide tolerance of seedling bermudagrass and zoysiagrass. Proc. of the So. Weed Sci. Soc. 57: 183.
- Boyd, J.W. 2004. Postemergence goosegrass control in bermudagrass turf. Proc. of the AR. Crop Protection Assoc. November 29-30, 2004.
- Sanders, D.E., J.W. Byrd and J.W. Boyd. 2005. Pasture weed control problems and concerns in the delta. Proc. of the So. Weed Sci. Soc. 58:148.
- Boyd, J.W. 2006. Overview of sulfonylurea herbicides in turfgrass. Proc. of the So. Weed Sci. Society. 53:226.
- Boyd, J.W. 2006. Weed control in bermudagrass forage. Proceeding of the Arkansas Forage and Grassland Council. November 3, 2006. Little Rock, AR.
- Robbins, J. and J.W. Boyd. 2006. Effect of weed control on the growth of field grown shade trees in central Arkansas after four years. Proc. of the Southern Nurserymen's Association Annual Meeting. Atlanta, Georgia.
- Boyd, J.W. 2006. Controlling cool season grasses in bermudagrass. Amer. Soc. of Agronomy Annual Meeting. Nov. 7, 2005. Salt Lake City, UT.
- Griffin, B. and J.W. Boyd. 2006. Winter weed control and bermudagrass hay quality. Proceedings of the National County Agents Association Meeting, Cincinnati, Ohio.
- Boyd, J.W. 2006. Controlling cool season grasses in bermudagrass. Nov. 7, 2005. Salt Lake City, UT. Amer. Soc. of Agronomy Annual Meeting.
- Boyd, J.W. 2008. Tufted lovegrass control in sod. Proc. of the So. Weed Sci. Soc. V. 61:
- Boyd, J.W. and Blair Griffin. 2008. Cool season grass control in bermudagrass hayfields. Proc. of the So. Weed Sci. So. V. 61:
- J.A. Jennings, K.J. Simon, D. Griffin, M. Mobley, J. Boyd, and M.S. Gadberry. 2009. An alternative planting strategy for establishing white clover in tall fescue pastures. American Society of Agronomy Southern Branch. Atlanta, GA.

J.A. Jennings, M. Mobley, K.J. Simon, D. Griffin, J. Boyd, and M.S. Gadberry. 2009. Effect of herbicide suppression of tall fescue sod in winter with metsulfuron or glyphostae on white clover establishment. American Society of Agronomy Southern Branch. Atlanta, GA.

J.A. Jennings, D. Griffin, M. Mobley, K.J. Simon, J. Boyd, and M.S. Gadberry. 2009. Yield response of tall fescue/white clover mixtures with and without N fertilizer for stockpiled winter pastures. American Society of Agronomy Southern Branch. Atlanta, GA.

University of Arkansas Extension Publications

Boyd, J. W. 1984. Forage weed control. Misc. Pub. No. 215. (revised 1987).

Boyd, J. W. 1984. Weed control in turf. Misc. Pub. No. 217. (revised 1987,1989,1992, 1994,1996,1998,2001).

Boyd, J. W. 1984. Weed control in Christmas trees. Misc. Pub.No. 219. (revised 1987).

Boyd, J. W. 1984. Applying herbicides to yards, gardens, and other small areas. Misc. Pub. No. 216. (revised 1992).

Klingaman, G. L. and J. W. Boyd. 1987. Cool season lawns in Arkansas. Misc. Pub. No. 269.

Scott, K. S., S. L. Chapman, J. W. Boyd and J. W. King. 1985. Lawns and their care. EL 309.

Schaller, C. C., M. C. McDaniel and J. W. Boyd. 1987. Strawberry pest control. Misc. Pub. 204.

Boyd, J. W. and F. L. Baldwin. 1988. Common Arkansas lawn weeds (two color posters, 32 weeds).

Boyd, J. W. and F. L. Baldwin. 1988. Common Arkansas pasture weeds (one color poster, 16 weeds).

Hankins, B. J., S. L. Chapman, and J. W. Boyd. 1988. Establishing bermudagrass. 4 p.

Boyd, J. W. and F. L. Baldwin. 1989. Weeds of Arkansas wheat. (one color poster, 16 weeds).

Boyd, J. W. and D. R. Gardisser. 1984. Weed control in alfalfa. FS2004. (revised 1991).

Boyd, J. W. 1984. Thistle control. FS2009.

Boyd, J. W. and J. P. Spradley. 1984. Blueberry weed control. FS6000.

Baldwin, F. L. and J. W. Boyd. 1985. Weed control in wheat. FS2023. (revised 1991).

Boyd, J. W. 1988. Weed management in blackberries and raspberries. FS2041.

Boyd, J. W. 1988. Sodding a lawn. FS2042.

Boyd, J.W. 1989. Common bermudagrass lawn calendar. FS2049.

Boyd, J.W. 1989. Hybrid bermudagrass lawn calendar. FS2050.

Boyd, J.W. 1989. Centipedegrass lawn calendar. FS2051.

Boyd, J.W. 1989. Zoysiagrass lawn calendar. FS2048.

Boyd, J.W. 1989. Tall Fescue lawn calendar. FS2046..

Boyd, J.W. 1991. Aquatic herbicide use. FSA 2062.

Boyd, J.W. 1991. Managing problem weeds in turf. FSA 2060. (revised 1993).

Baldwin, F.L., Boyd, J.W. and C.B. Guy. 1991. Garlic control in wheat. FSA 2064.

Boyd, J.W. 1991. Pasture weed control. FSA 2080.

Boyd, J.W. 1991. Pasture brush control. FSA 2081.

Boyd, J.W. 1991. Strawberry weed control. FSA 2078.

Boyd, J.W. 1992. Christmas tree weed Control. FSA 2086.

Boyd, J.W. 1991. Commercial Growers Series: Fruit tree weed control. FSA 2079.

Boyd, J.W. 1991. Commercial Growers Series: Grape weed management. FSA 2077.

Boyd, J.W. 1992. Blueberry weed control. FSA 2022.

Boyd, J.W. 1992. Moss and algae control in lawns. FSA 2110.

Boyd, J.W. 1992. Don't bag grass clippings. FSA 6023.

Boyd, J.W. 1992. Non-cropland weed control. FSA 2085.

Boyd, J.W. 1992. Herbicide additives. FSA 2111.

Boyd, J.W. 1992. Alternative weed control for vegetables. FSA 2105.

Boyd, J.W. 1997. Home lawn weed control. FSA 2109 (major revision).

Boyd, J.W. 1993. Endophyte fescue control in pastures. FSA 2108.

Boyd, J.W. 1993. Pasture weed and brush control. p. 35-40 in the Arkansas Cattlemen's Guide.

Hankins, B.J., N.V. McKinney, B.F. Jones, G.L. Cloud and J.W. Boyd. Factors affecting forage production of wheat. FSA. 2116.

Boyd, J.W. 1992. Choosing a turfgrass. FSA. 2112.

Boyd, J.W. 1994. Principles of turfgrass weed control. MP 371.

Boyd, J.W. 1994. Turfgrass weed control for professionals. MP 370.

Boyd, J.W. 1994. Pasture brush control. FSA 2081, (major revision).

Troxel, T.R., B.J. Hankins, G.L. Burke and J.W. Boyd, 1995. Managing endophyte infected fescue. FSA 2140.

Boyd, J.W. 1996. Maintaining bermudagrass athletic fields. FSA 2143.

Boyd, J.W. 1997. Spot spraying pasture brush. FSA 2145.

Boyd, J.W. 1997. Thistle control in Arkansas pastures. FSA 2146.

Boyd, J.W. 1998. Pasture Brush Control. Ark. Coop. Ext. Ser. Fact Sheet 2081:1-4. (revision)

Boyd, J.W. 1998. Pasture weed control. Ark. Coop. Ext. Ser. Fact Sheet 2080:1-6. (major revision)

Boyd, J.W. 1997. Home lawn weed control. Ark. Coop. Ext. Ser. Fact Sheet 21091-6.

Boyd, J.W. 1999. Weed Control in Landscape Plantings. MP 415. Ark. Coop. Ext. Ser. 53 pp.

Jennings, J., Lorenz, G, Boyd, J., Steinkraus, D. and T. Kring. 1999. Musk Thistle. Ark. Coop. Ext. Ser. FSA 3054. 6 pp.

Boyd, John and James Robbins. 2008. Weed Control in Landscape Plantings. FSA 6137. University of Arkansas Coop. Ext. Service Fact Sheet. 6 pp.

Boyd, John and James Robbins. 2008. Weed Control in Field Nurseries. FSA 6127. University of Arkansas Coop. Ext. Service Fact Sheet. 4 pp.

- Robbins, Jim and John Boyd. 2005. Weed control in container nurseries. FSA 6123. 4 pp.
- Patton, Aaron and John Boyd. 2007. Establishing a Lawn from Sod. FSA 2042. University of Arkansas Coop. Ext. Service Fact Sheet. 6 pp.(color)
- Boyd, J.W. 2007. Identifying turf and landscape weeds. Two, color weed identification posters for turfgrass and landscape weeds.
- Patton, A.J. and J.W. Boyd. 2008. Lawns. *In* Master Gardener Training Manual. University of Arkansas Cooperative Extension Publication. MP-316. Major revision.
- Wesson, Sherri, Rick Cartwright, John Hopkins, John Boyd and James Robbins. Common Landscape Problems. 2007. University of Arkansas Coop. Ext. Service. 93 pp. (color)
- Boyd, John. 2007. Woody Plant Control in Landscapes. FSA 6124. University of Arkansas Coop. Ext. Service Fact Sheet. 2 pp.
- Patton, Aaron and John Boyd. 2007. Choosing a Grass for Arkansas Lawns. FSA 2112. University of Arkansas Coop. Ext. Service Fact Sheet. 6 pp.
- Patton, Aaron and John Boyd. 2007. Mowing Your Lawn. FSA 6023. University of Arkansas Coop. Ext. Service Fact Sheet. 6 pp.(color)
- Patton, Aaron and John Boyd. 2007. Seeding a Lawn in Arkansas. FSA 2113. University of Arkansas Coop. Ext. Service Fact Sheet. 6 pp.(color)
- Smith, Sherri. 2007. Arkansas Small Fruit Management Schedule. Revised the weed control section of this publication.
- Boyd, J.W. 2007. Pasture Weed and Brush Control. FSA 2080. Univ. of AR Cooperative Extension. 6 pp.
- Boyd, J.W. 2007. Woody Plant Control in Landscapes. Univ. of AR Cooperative Extension. 4 pp.
- Boyd, J.W. and J.R. Robbins. 2007. Weed Control in Field Nurseries. FSA 6127. Univ. of AR Cooperative Extension. 4 pp.
- Robbins, J.R. and J.W. Boyd. 2007. Weed Control in Container Nurseries. FSA6123. Univ. of AR Cooperative Extension. 4 pp.
- Jennings, J., John Boyd, Hunter Hauk and Paul Beck. Establishing bermudagrass. 2007. FSA19. Univ. of AR Cooperative Extension. 8 pp.
- Jennings, J., John Boyd. 2007. Common Arkansas plants poisonous to cattle. FSA3025. Univ. of AR Cooperative Extension. 6 pp.
- Boyd, John. 2008. Sod Farm Weed Control. FSA 2155. University of Arkansas Coop. Ext. Service Fact Sheet. 8 pp. (color)
- Patton, Aaron, John Trappe and John Boyd. 2008. 2008 Arkansas Sod Source Directory. FSA 6136. 8 pp.

Boyd, John. 2008. Pasture Weed and Brush Control. FSA 2080. University of Arkansas Coop. Ext. Service Fact Sheet. 8 pp.

Patton, Aaron and John Boyd. 2008. Lawn Care Calendar: Bermudagrass. FSA 6121. University of Arkansas Coop. Ext. Service Fact Sheet.

Patton, Aaron and John Boyd. 2008. Lawn Care Calendar: Tall Fescue. FSA 6118. University of Arkansas Coop. Ext. Service Fact Sheet.

Patton, Aaron and John Boyd. 2008. Lawn Care Calendar: Zoysiagrass. FSA 6122. University of Arkansas Coop. Ext. Service Fact Sheet.

Patton, Aaron and John Boyd. 2008. Lawn Care Calendar: Centipedegrass. FSA 6120. University of Arkansas Coop. Ext. Service Fact Sheet.

Patton, Aaron and John Boyd. 2008. Lawn Care Calendar: St. Augustinegrass. FSA 6119. University of Arkansas Coop. Ext. Service Fact Sheet.

Patton, Aaron and John Boyd. 2008. Seeding a Lawn in Arkansas. FSA 2113. University of Arkansas Coop. Ext. Service Fact Sheet.

Boyd, John. 2009. Turfgrass Weed Control for Professionals. MP-370. University of Arkansas Coop. Ext. Service Misc. Pub. 30 pp.

Scott, Bob, John Boyd and Ken Smith. 2009. Recommended Chemicals for Weed and Brush Control, MP-44.

Industry Publications

Thistle control for cleaner pastures next year. November 12, 1982. *Delta Farm Press*.

Pasture weed control is worth the effort. November 16, 1983. *Delta Farm Press*.

Alfalfa weed control often pays. December 16, 1983. *Delta Farm Press*.

Which is the best method of pasture weed control. December 1983. *Delta Farm Press*.

Herbicide helps in fencerow cleanup. February 3, 1984. *Delta Farm Press*.

What will phenoxy herbicides do to clover in pastures? March 9, 1984. *Delta Farm Press*.

Weeds compete with bermudagrass. February 24, 1984. *Delta Farm Press*.

Sandbur control in pastures can be difficult. April 20, 1984. *Delta Farm Press*.

Do ropewicks fit pasture weed control? 1984. *Delta Farm Press*.

Opinions on herbicide use vary. July 13, 1984. *Delta Farm Press*.

Bramble species tough to control. May 4, 1984. *Delta Farm Press*.

Atrazine provides good forage weed control. January 6, 1984. *Delta Farm Press*.

Control honeysuckle in September. August, 1984. *Delta Farm Press*.

Pricklypear cactus is serious problem. 1984. *Delta Farm Press*.

Dogfennel timing different than other weeds. April, 1984. *Delta Farm Press*.

Pasture weed control being emphasized. April, 1984. *Delta Farm Press*.

Roundup now labeled for use in pastures. November, 1984. *Delta Farm Press*.

Forage weed control will pay dividends. November, 1984. *Delta Farm Press*.

Winter brush control has several advantages. January, 1985. *Delta Farm Press*.

How do you destroy infected fescue? February, 1985. *Delta Farm Press*.

Grass often a problem in grain sorghum. March, 1985. *Delta Farm Press*.

Questions asked about pasture herbicides. May 10, 1985. *Delta Farm Press*.

Spot spray is an economical practice. June 21, 1985. *Delta Farm Press*.

Pasture weed control costs can be cut. November, 1985. *Delta Farm Press*.

Farmland cleanup advised. October, 1985. *Delta Farm Press*.

Surfactants improve herbicide solution. July 12, 1985. *Delta Farm Press*.

Growth regulator tested against endophyte. January 24, 1986. *Delta Farm Press*.

Garlic can be eradicated with considerable effort. March 7, 1986. *Delta Farm Press*.

Can sorghum weed control costs be cut? January 18, 1986. *Delta Farm Press*.

How much weed control is needed in soybeans? November 21, 1986. *Delta Farm Press*.

Ditchbank brush control tips given. January 9, 1987. *Delta Farm Press*.

Grass control herbicide registered for alfalfa. March 6, 1987. *Delta Farm Press*.

Safe pasture weed control. September, 1984. *Arkansas Cattle Business*.

Pricklypear control in pastures. November, 1984. *Arkansas Cattle Business*.

Atrazine provides new option for forage weed control. March, 1984. *Arkansas Cattle Business*.

Beware of Herbicide Rip-Off. July, 1990. *Arkansas Cattle Business*.

Bermudagrass Weed Control. *Arkansas Cattle Business*. May 1991.

Keep lawn thick to control crabgrass. March 22, 1985. *Arkansas Gazette*.

Proper technique makes mowing lawn an easier task. June 14, 1985. *Arkansas Gazette*.

Collecting clippings not always necessary. July 18, 1986. *Arkansas Gazette*.

Useful herbicides step on grass. August 8, 1986. *Arkansas Gazette*.

Turfgrass recovery from winter abuses. May 26, 1989. *Arkansas Gazette*.

Choosing a Lawn Care Service. May 6, 1990. *Arkansas Gazette*.

Battling crabgrass requires an effective plan. March 21, 1987. *Arkansas Democrat*.

Establishing a lawn with sod successfully. April 18, 1987. *Arkansas Democrat*.

Getting trees to grow. September 13, 1987. *Arkansas Democrat*.

Rodale Research Center. October 11, 1987. *Arkansas Democrat*.

Cultural practices decrease winterkill. November 15, 1987. *Arkansas Democrat*.

Controlling Wild Garlic. January 3, 1988. *Arkansas Democrat*.

Problems in Lawn Care. April 24, 1988. *Arkansas Democrat*.
Now is the Time for Crabgrass Control. February 28, 1988. *Arkansas Democrat*.
Horticultural Myths Undermine. *Arkansas Democrat*.
Winter Weather Hard on Grass. May 13, 1990. *Southwest Times-Record*
Turf Managers: Use Caution with Herbicides near Trees. *Southern Turf and Landscape Press*. April, 1993.
Perennial Pasture Weed Control. *Delta Farm Press*. May 28, 1993.
Getting the Most Out of Foliar Applied Herbicides. *Southern Turf and Landscape Press*, February, 1995.
Golf Course Weed Control. *Golf Course Irrigation*. January/February, 1996. 4: (1) 8-11.
Early Season Weed Control. *Lawn and Landscape*. February, 1999. 20:2. p. 66-70.
Kill Off Bermudagrass with One Less Spraying. *Golf Course Management*. May 2000. Vol. 68, No. 5. p. 68-71.

Managing the new seeded bermudagrasses. M.D. Richardson, Doug Karcher, John Boyd and John McCalla. *Golf Course Management*. December 2003. Vol.71, No. 12.81-84.

Richardson, M.D., J.H. McCalla, J.W. Boyd, D.E. Karcher and J.W. Landreth. Postemergence Herbicides for Establishing Zoyisagrass from Seed. *Golf Course Management*. September 2005. p.87-91.

Richardson, M.D., D.E. Karcher and J.W. Boyd. Sod Establishment of Seeded Bermudagrass. *Turf News*. May-June 2005.

Richardson, M.D., D.E. Karcher and J.W. Boyd. Winter Survival of Seeded Bermudagrass. *USGA Green Section Record*. March-April 2005. v. 43. No. 2. p.15-18.

Controlling cool season grasses in dormant bermudagrass. *Cutting Edge*. *Golf Course Management*. August 2006. p. 80.

Selected Invited Presentations Outside Arkansas

Herbicide damage to trees. Southeastern Utility Meeting. Jackson, MS. 1988

Crop injury from herbicides, how to recognize it. Mississippi Weed Science Society, Starkville, MS. 1992.

Herbicide Symptomolgy Diagnosis in Utility Right of Ways. Low Country Brush Tour, May 5-7, 1999, Charleston, SC.

Modes of Action and Injury Symptoms to Plants. Alabama Vegetation Management Society Annual Meeting. March 7-8, 2000. Tuscaloosa, Alabama

Herbicide Tolerance of the New Hybrid Bermudagrasses. USGA Regional Conference. April 25, 2000, Little Rock, AR.

Diagnosing Herbicide Injury. International Society of Arborists Southeastern Meeting. April 11, 2000. Charleston, SC.

Advanced Turfgrass Weed Management (4 hour workshop). Carolinas Golf Course Superintendents Annual Meeting. November 14-15, 2005. Myrtle Beach, SC.

Boyd, J.W. 2006. Overview of sulfonylurea herbicides in turfgrass. J.W. Boyd, Proc. of the South. Weed Sci. Society. January 24, 2006. San Antonio, TX.

Weed Control in Turfgrass. Turfgrass Producers of Texas Annual Meeting. February 1, 2006. Bay City, TX.

Claims Avoidance. January 30, 2006. Chem-Air Pilot Training. Shreveport, LA.

Drift Mitigation. January 30, 2006. Chem-Air Pilot Training. Shreveport, LA.

Advanced Weed Control, Presented two half-day seminars at the Carolina Golf Course Superintendents Association Annual Conference and Show. Myrtle Beach, SC. Nov. 17-18, 2008.

Turfgrass Weed Control, Jan. 9, 2008 for the AR – OK Turfgrass Short Course in Stillwater, OK. This was a Three-hour seminar. It was the highest rated presentation in both speaker and topic categories by attendees.

Mode of Action and Herbicide Symptom Recognition. Stephen F. Austin University, Forest Herbicide Conference. December 10, 2009, Nacagdoches, TX.

Drift Management. Stephen F. Austin University, Forest Herbicide Conference. December 10, 2009, Nacagdoches, TX.

How to Stay out of Court. Stephen F. Austin University, Forest Herbicide Conference. December 9, 2010, Nacagdoches, TX.

Avoiding Offsite Herbicide Movement. Stephen F. Austin University, Forest Herbicide Conference. December 9, 2010, Nacagdoches, TX.