

Robert G. Lemon, Ph.D

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Personal Information

Name: Robert G. Lemon

Title: Professor and Extension Agronomist - Cotton (Statewide)
Texas AgriLife Extension Service, Texas A&M University System

Department: Soil and Crop Sciences

Date of Initial Appointment: July 1992

Date of Promotion to Professor: September 1, 2003

Education and Experience

September 2003 to Present: Professor and Extension Agronomist – Cotton (Statewide), Texas AgriLife Extension Service, Department of Soil and Crop Sciences, College Station, Texas.

April 2002 to September 2003: Associate Professor and Extension Agronomist - Cotton (Statewide), Texas Cooperative Extension, Department of Soil and Crop Sciences, College Station, Texas.

September 1998 to April 2002: Associate Professor and Extension Agronomist - Peanuts (Statewide) and Cotton (District 8), Texas Cooperative Extension, Department of Soil and Crop Sciences, College Station, Texas.

June 1996 to September 1998: Assistant Professor and Extension Agronomist - Peanuts (Statewide) and Cotton (District 8), Texas Cooperative Extension, Department of Soil and Crop Sciences, College Station, Texas.

October 1994 to June 1996: Assistant Professor and Extension Agronomist - Peanuts (Statewide), Texas Cooperative Extension, Department of Soil and Crop Sciences, College Station, Texas.

July 1992 to October 1994: Assistant Professor and Extension Agronomist, Texas Cooperative Extension, Department of Soil and Crop Sciences, Vernon, Texas.

May 1989 to July 1992: Post Doctoral Extension Associate, Texas Cooperative Extension,

Department of Soil and Crop Sciences, College Station, Texas.

August 1989: Doctor of Philosophy (Agronomy), Texas A&M University

May 1986: Master of Science (Agronomy), Texas A&M University

December 1982: Bachelor of Science (Agronomy), Texas A&M University

Current Position Responsibilities

Provide statewide leadership for Extension cotton agronomic applied research and educational programs. Serve as a technical advisor and liaison to the cotton industry and provide representation for Texas AgriLife Extension Service, Department of Soil and Crop Sciences, and the Texas cotton industry with state, national and international organizations, governmental agencies, etc.

Extension Educational Publications

The First 40 Days – The Most Critical Period in Cotton Production – Expert Recommendations of Best Management Practices for Efficient, Cost-Effective Cotton Production System through Fruiting to Finish. 2008. National Cotton Council and the Cotton Foundation.

Boman, R.K., and R.G. Lemon. 2007. Making Replant Decisions in Cotton. SCS-2007-08

Boman, R.K., and R.G. Lemon. 2007. Management Options for Late-Season Hail Damaged Stripper Harvested Cotton Fields. SCS-2007-07.

Boman, R.K., and R.G. Lemon. 2006. Drought Management Strategies Related to Production, Management, and Marketing of Cotton in Texas. SCS-2006-11.

The First 40 Days: The Most Critical Period in Cotton Production, Expert Recommendations for Best Management Practices. 2006. Bayer CropScience. Publication developed from a workshop that numerous Extension and research faculty participated in. Focus of the workshop was on the first 40 days of the cotton season.

Use of Herbicides as a Viable Alternative Cotton Stalk Destruction Method. Economic Impact Brief – Cotton Stalk Destruction. Texas Cooperative Extension. 2006.

McCorkle, D. R. Lemon, D. Hanselka, S.Klose, J.Robinson, and M. Tomlinson. Economic Impact of Herbicides as an Alternative Cotton Stalk Destruction Method. Texas Cooperative Extension. 2006.

Lemon, R.G., R. Boman, T. Baughman, P. Baumann, and P. Dotray. 2005. Roundup ready flex cotton system. SCS-2005-18.

Boman, R.K. and R. Lemon. 2005. Soil temperatures for cotton planting. SCS-2005-17.

Lemon, R.G., and M.L. McFarland. 2005. Premature senescence syndrome. SCS-2005-23.

Lemon, R.G., T.A. Baughman, R.K. Boman, P.A. Dotray, and P. Baumann. 2004. LibertyLink cotton system. SCS-2004-02. Texas Cooperative Extension. Department of Soil and Crop Sciences, Texas A&M University, College Station, Texas.

Baughman, T.A., R.K. Boman, and R.G. Lemon. 2004. Cotton seed quality – where it all begins. SCS-2004-01. Texas Cooperative Extension. Department of Soil and Crop Sciences, Texas A&M University, College Station, Texas.

Hons, F.M., M.L. McFarland, R.G. Lemon, R.L. Nichols, R.K. Boman, V.A. Saladino, F.J. Mazac, R.L. Jahn and J.R. Stapper. 2004. Managing nitrogen fertilizer. L-5458. Texas Cooperative Extension.

Lemon, R.G., Tom Cothren, and D.D. Fromme. 2004. Cotton Harvest Aid Recommendations for the 2004 Crop - Central Texas and Upper Gulf Coast Regions. Unnumbered. Texas Cooperative Extension, Department of Soil and Crop Sciences. Texas A&M University, College Station, Texas

Lemon, R.G. 2003. Texas is cotton country. SCS-2003-06. Texas Cooperative Extension, College Station, Texas.

Lemon, R.G., C. Stichler, and J. Norman. 2003. Cotton stalk destruction with herbicides. SCS-2003-10. Texas Cooperative Extension, College Station, Texas.

Bell, A., R. Nichols, D. Albers, R. Baird, S. Brown, P. Colyer, K. El-Zik, C. Gwathmey, R. G. Lemon, M. Newman, B. Phipps, and D. Oosterhuis. 2002. Bronze wilt of cotton. L-5412. Texas Cooperative Extension, College Station, Texas.

Lemon, R.G., J.T. Cothren, T. Witten, and D. Fromme. 2002. Harvest aid recommendations for central Texas and the Upper Gulf Coast (Unnumbered). Texas Cooperative Extension, College Station, Texas.

McFarland, M.L., R.G. Lemon and C.R. Stichler. 2002. Irrigation water quality - critical levels for peanuts, cotton, corn and grain sorghum. L-5417. Texas Cooperative Extension, College Station, Texas.

Lemon, R.G. 2001. Calcium nutrition in peanuts. (Unnumbered). Texas Agricultural

Extension Service, College Station, Texas.

Baumann, P., and R.G. Lemon. 2000. Suggestions for weed control in peanut. B-6010. Texas Agricultural Extension Service, College Station, Texas.

Lemon, R.G., J. Tom Cothren, J.R. Supak, and D. Renchie. 1999. Cotton harvest-aid recommendations for central Texas - 1999. SCS-1999-12. Texas Agricultural Extension Service, College Station, Texas.

Lemon, R.G., T. A. Baughman, and E. P. Prostko. 1999. Characteristics of runner peanut varieties produced in Texas. SCS-1999-11. Texas Agricultural Extension Service, College Station, Texas.

Prostko, E.P., T.A. Baughman, P. A. Baumann, P.A. Dotray, W.J. Grichar, R.G. Lemon, and T. A. Lee. 1999. Peanut Herbicide Injury Symptomology Guide. SCS-1999-05. Texas Agricultural Extension Service, College Station, Texas.

Baumann, P.A., and R.G. Lemon. 1998. Suggestions for weed control in peanuts. B-6010. Texas Agricultural Extension Service, College Station, Texas.

Lemon, R.G., J. Tom Cothren and D. Renchie. 1998. Cotton harvest-aid recommendations for central Texas - 1998. SCS-1998-06. Texas Agricultural Extension Service, College Station, Texas.

McFarland, M.L., R.G. Lemon, and C. Stichler. 1998. Non-traditional soil additives - can they improve crop production. L-5302. Texas Agricultural Extension Service, College Station, Texas.

McFarland, M.L., R.G. Lemon, and C. Stichler. 1998. Irrigation water quality B critical levels for peanuts, cotton, corn and grain sorghum. SCS-1998-02. Texas Agricultural Extension Service, College Station, Texas.

Prostko, E.P., R.G. Lemon, and J.T. Cothren. 1998. Field estimation of cotton yields. SCS-1998-20. Texas Agricultural Extension Service, College Station, Texas.

Lemon, R.G. and T.A. Lee, Jr., Editors. Peanut Production Guide for Texas. 1997. B-1514. Texas Agricultural Extension Service, College Station, Texas.

Lemon, R.G., J.R. Supak, J. Tom Cothren and D. Renchie. Cotton Harvest Aid Recommendations for Central Texas - 1997. SCS-1997-06. Texas Agricultural Extension Service, College Station, Texas. 1997.

Baumann, P.A. and R.G. Lemon. 1996. Suggestions for Weed Control in Peanut. B-6010. Texas Agricultural Extension Service, College Station, Texas.

Lemon, R.G., J.R. Supak, and J. Tom Cothren. Cotton Harvest Aid Recommendations for Central Texas - 1996. (Unnumbered). Texas Agricultural Extension Service, College Station, Texas. 1996.

Lemon, R.G. and T.A. Lee, Jr. Production of Virginia Peanuts in the Rolling Plains and Southern High Plains of Texas. 1995. L- 5140. Texas Agricultural Extension Service, College Station, Texas.

Lemon, R.G., S. Bevers, R. Gill and E. Boring III. 1994. Wheat and Stocker-Calf Management Handbook. (Unnumbered). Texas Agricultural Extension Service, College Station, Texas.

Warrick, B. and R.G. Lemon. Wild Oat Control in Texas. L-1708. 1994. Texas Agricultural Extension Service, College Station, Texas.

Crop Production Guides

Sansone, C., R.G. Lemon, B. Warrick and T. Isakeit. 2002. B-6116. Texas cotton production guide - emphasizing integrated pest management. Texas Cooperative Extension, Texas A&M University, College Station, Texas.

Lemon, R.G. (Editor). Peanut production guide for Texas. 2001. B-1514. Texas Cooperative Extension, Texas A&M University, College Station, Texas.

Journal Articles/Monographs

Wright, A.L., F.M. Hons, R.G. Lemon, M.L. McFarland, and R.L. Nichols. 2008. Microbial activity and soil C sequestration for reduced and conventional tillage cotton. Applied Soil Ecology. 38:168-173.

Bynum, J.B., J.T. Cothren, R.G. Lemon, D.D. Fromme, and R.K. Boman. 2007. Field evaluation of nitrophenolate plant growth regulator (Chaperone™) for the effect on cotton lint yield. Journal of Cotton Science. 10:328-338. 2006

Grichar, W.J., B.A. Besler, R.G. Lemon, and K.D. Brewer. 2005. Weed management and net returns using soil-applied and postemergence herbicide programs in peanut. Peanut Science. 32:25-31.

Beasley, J., W.J. Grichar, D. Jordan, R. Lemon, J.R. Sholar, B. Besler, K. Brewer, P.D. Johnson, and J.B. Beam. 2004. Peanut response to the hormonal plant growth regulator -

Early Harvest. Peanut Science Journal. 31:70-73.

Grichar, W.J., B.A. Besler, T.A. Baughman, P.A. Dotray, R.G. Lemon, and S.A. Senseman. 2004. Cotton response to imazapic and imazethapyr residues following peanut. The Texas Journal of Agriculture and Natural Resources. 17:1-8.

Dotray, P.A., J.W. Keeling, W.J. Grichar, E.P. Prostko, R.G. Lemon, and J.D. Everitt. 2003. Peanut response to ethalfluralin, pendimethalin, and trifluralin preplant incorporated. Peanut Science. 30:34-37.

Grichar, W.J., B.Besler, K.Brewer, and R.G. Lemon. 2003. Interaction of pyriithiobac and graminicides for weed control in cotton. Weed Technology. V. 17:461-466.

Dotray, P. A., J. W. Keeling, W. J. Grichar, E. P. Prostko, R. G. Lemon, and J. D. Everitt. 2002. Tolerance to dinitroaniline herbicides in Texas peanut. Weed Technology.

Dotray, P., T.Baughman, W.J. Grichar, W. Keeling, and R.G. Lemon. 2001. Effect of imazapic application timing on Texas peanut. Weed Technology. Volume 15:26-29.

Grichar, W.J., B. Besler, and R.G. Lemon. 2001. Effects of Early-Harvest PGR on peanut growth, yield and quality. Texas Journal of Agriculture and Natural Resources. Volume 14:53-57.

Dotray, P., T.Baughman, W.J. Grichar, W. Keeling, and R.G. Lemon. 2001. Effect of imazapic application timing on Texas peanut. Weed Technology. Volume 15:26-29.

Grichar, W.J., B. Besler, and R.G. Lemon. 2001. Effects of Early-Harvest PGR on peanut growth, yield and quality. Texas Journal of Agriculture and Natural Resources. Volume 14:53-57.

Grichar, W.J., P. Dotray, R.G. Lemon, and T. Baughman. Using Strongarm for weed control in Texas Peanut. 2001. Texas Journal of Agriculture and Natural Resources. Volume 14:125-132.

Grichar, W.J., R.G. Lemon, K. Brewer, and B. Minton. 2001. S-metolachlor compared with metolachlor on yellow nutsedge and peanut. Weed Technology. Volume 15:107-111.

Grichar, W.J., R.G. Lemon, D.C. Sestak, and K. Brewer. 2000. Comparison of metolachlor and dimethenamid for yellow nutsedge control and peanut injury. Peanut Science. Volume 27: 26-30.

Grichar, W.J., B. Besler, D.C. Sestak, and R. G. Lemon. 1999. Influence of planting scheme and planting date on yield and grade of four peanut cultivars. Texas Journal of Agriculture and Natural Resources. Volume 11:111-122.

Mjelde, J.W., J.T. Cothren, M.E. Rister, F.M. Hons, C.G. Coffman, C.R. Shumway, and R.G.

Lemon. 1991. Integrating data from various field experiments: The Case of Corn in Texas. *Journal of Production Agriculture*. 4:139-147.

Lemon, R.G. and F.M. Hons. 1990. Tillage and clover cover crop effects on grain sorghum yield and nitrogen uptake. *J. Soil and Water Cons.* 45:125-127.

McFarland, M.L., F.M. Hons, and R.G. Lemon. 1990. Effects of tillage and cropping sequence on soil physical properties. *Soil and Tillage Research*. 17:77-86.

Hons, F.M., M.A. Locke, and R.G. Lemon. 1988. Nitrogen requirements of conservation tillage systems. In *Conservation Tillage in Texas*. Research Monograph 15. Texas Agric. Exp. Sta. p.29-37.

Book Chapter

Grichar, W.J., R.G. Lemon, B.A. Besler, and P.A. Dotray. 2001. Control of problem weeds and net returns with herbicide programs in peanut. IN *Weed Biology and Management*. Kluwer Academic Press. (In Press)

Research Abstracts and Proceedings

Lemon, R.G., R.K. Boman, T.A. Baughman, P.A. Baumann, and P. Dotray. Agronomic performance of Bayer CropScience glytol glyphosate resistant cotton. 2008. Beltwide Cotton Conference Proceedings.

Coker, D., M.L. McFarland, and R.G. Lemon. Evaluation of NFusion blends for nitrogen requirements of cotton. 2008. Beltwide Cotton Conference Proceedings.

Lemon, R.G., R.K. Boman, M.S. Kelley, D. Mott, and V. Saladino. Evaluation of several mepiquat products on cotton growth, yield and fiber quality in the Blacklands and the High Plains of Texas. 2008. Beltwide Cotton Conference Proceedings.

Cotton Specialist Working Group. Efficacy and agronomic impacts of commercially available plant growth regulators across the Cotton Belt. 2008. Beltwide Cotton Conference Proceedings.

Lemon, R.G., D.J. Pigg, M. Jungman, and G. Jennings. Using herbicides for cotton stalk destruction. 2007. Beltwide Cotton Conferences Proceedings.

Lemon, R.G., D.J. Pigg, and D.D. Fromme. Roundup Ready Flex Bollgard II uniform cotton variety trials in south and central Texas. 2007. Beltwide Cotton Conference Proceedings.

Lemon, R.G., D. Fromme, R. Boman, J. Cothren, D. Pigg, and J. Bynum. Evaluation of Chaperone in Texas Cotton. 2006. Beltwide Cotton Conferences Proceedings.

Boman, R., M. Kelley, R. Lemon, J. Gannaway, and J. Banks. Performance of Roundup Ready Flex Cotton Cultivars in the Southwest. 2006. Beltwide Cotton Conferences Proceedings.

Fromme, D.D., R. Lemon, and D. Pigg. Uniform Stacked Gene Cotton Variety Trials in the Upper Gulf Coast and Central Texas. 2006. Beltwide Cotton Conferences Proceedings.

Mott, D., R. Parker, D. Fromme, and R. Lemon. Evaluation of Gaucho Grande and Other Insecticides for Management of Early Season Pests in Cotton Across Eastern Texas. 2006. Beltwide Cotton Conferences Proceedings.

Lemon, R.G., D. Pigg, D. Fromme. Combined Analysis of BGII/RRFlex Trials in South and Central Texas. 2006. Texas Plant Protection Conference Proceedings.

Lemon, R.G., D. Pigg, and G. Schwarzlose. Evaluation of Soil Applied and Seed Treatment Insecticides for Early Season Cotton Insect Control. 2006. Texas Plant Protection Conference Proceedings.

Lemon, R.G. R.Boman, T. Baughman, S. Livingston, C. Stichler, B. Warrick, D. Fromme, G. Moore, J. Pigg, J. Stapper, S. Goolsby, M. Kelley, and V. Saladino. 2005. Effects of Chaperone on Texas Cotton. Beltwide Cotton Conferences.

Lemon, R.G. , D.J. Pigg, D. Fromme, and G. Schwarzlose. 2005. Influence of Adjuvants on Harvest Aid Performance. Beltwide Cotton Conferences.

Lemon, R.G. D. Fromme, D.J. Pigg, G. Averitt, D. Rankin, V. Saladino, and A. Nelson. 2005. Uniform Stacked Gene Cotton Variety Trials in the Upper Gulf Coast and the Brazos River Valley of Texas. Beltwide Cotton Conferences.

Lemon, R.G., D. Fromme, R. Boman, and D.J. Pigg. 2005. Influence of Chaperone on Texas Cotton. Texas Plant Protection Conference.

Lemon, R.G., D. Fromme, and D.J. Pigg. 2005. Uniform Stacked Gene Variety Trials in the Upper Gulf Coast and Coastal Bend. Texas Plant Protection Conference.

Mott, D., R. Parker, M. Jungman, and R. Lemon. 2005. Influence of Early Season Insecticides. Texas Plant Protection Conference.

Hons, F.M., M.L. McFarland, R.G. Lemon, R.L. Nichols, R.K. Boman, V.A. Saladino, F.J. Mazac, Jr., R.L. Jahn, and J.R. Stapper. 2005. Improving the Efficiency of Nitrogen Management in Cotton. Southern Plant Nutrient Conference. Olive Branch, Mississippi.

Lemon, R.G., R.K. Boman, T.A. Baughman, M. Kelley, and D.J. Pigg. 2004. Effect of spray nozzle type on cotton harvest aid performance. 2004 Beltwide Cotton Conferences.

Lemon, R.G., D. Fromme, R. Jahn, and D.J. Pigg. 2004. Cotton stalk destruction with 2,4-D herbicide. 2004 Beltwide Cotton Conferences.

Lemon, R.G., D.J. Pigg, A. Abrameit, W.C. Robertson, J.T. Cothren, and T. Witten. 2004. Cotton stalk termination to prevent regrowth. 2004 Beltwide Cotton Conferences.

Bynum, J.B., J.T. Cothren, and R.G. Lemon. 2004. Chaperone effects on cotton fruiting and yield. 2004 Beltwide Cotton Conferences.

Grichar, W.J., B.A. Besler, R.G. Lemon, and D.J. Pigg. 2004. Comparison of conventional and twin row production systems on cotton growth and development. 2004 Beltwide Cotton Conferences.

Bynum, J.B., J.T. Cothren, R.G. Lemon, and J.R. Mahan. 2004. Nodes above white flower and heat units as indicators of harvest aid timing. 2004 Beltwide Cotton Conferences.

Hons, F.M., A.L. Wright, S.M. Kolodziej, V.A. Saladino, R.G. Lemon, M.L. McFarland, and D.A. Zuberer. 2004. 2004 Beltwide Cotton Conferences.

Baumann, P.A., Lemon, R.G., F.T. Moore, D.J. Pigg, and M.E. Matocha. 2003. Weed management in central and south Texas Liberty Link cotton systems. Proc. Beltwide Cotton Conferences.

Kelley, M. R. Boman, T. Baughman, and R. Lemon. 2003. Efficacy of Aim as a cotton harvest aid in Texas. Proc. Beltwide Cotton Conferences

Hons, F.M., R.G. Lemon, and M.L. McFarland. 2003. Cotton nitrogen management in the Southwest region. Proc. Beltwide Cotton Conferences

Fromme, D.D., J.T. Cothren, R.G. Lemon, T.K. Witten, and D.J. Pigg. 2003. Pre-conditioning effects on boll opening, defoliation, fiber quality, and yield. Proc. Beltwide Cotton Conferences

Dotray, P., W. Keeling, W. J. Grichar, T. Baughman, R. Lemon, and S. Senseman, 2002. Cotton response to imazapic and imazethapyr. Proc. Southern Weed Science Society.

Grichar, W.J., T. Baughman, C. Bednarz, B. Besler, S. Culpepper, P. Dotray, D. Grey, R. Lemon and E. Prostko. 2002. Cotton response to Cadre and Pursuit residues following peanut. Proc. Southern Weed Science Society.

Karnei, J. R., P.A. Dotray, W. Keeling, W.J. Grichar, T. Baughman, and R. Lemon. 2002. Cotton response to soil applied Cadre and Pursuit. Proc. Beltwide Cotton Conferences.

Lemon, R.G., J.T. Cothren, T. Baughman, R. Boman, J. Bremer, D. Pigg, M. Kelley, and T. Witten. 2002. Evaluation of Aim (carfentrazone) in Texas cotton. Proc. Beltwide Cotton Conferences.

McFarland, M.L., R.G. Lemon, and F.M. Hons. 2002. Nitrogen Requirements in UNR Cotton Systems. Proc. Beltwide Cotton Conferences.

Murphree, T.A., P.A. Dotray, J.W. Keeling, B.L. Porter, T.A. Baughman, W.J. Grichar, and R.G. Lemon. 2002. Texas Peanut varietal tolerance to diclosulam and flumioxazin. Proc. American Peanut Research and Education Society.

McFarland, M.L., R.G. Lemon, F.M. Hons, K. Bronson, J. Sloan, T. Cothren and J. Matocha. 2001. Soil fertility research in Texas. Proc. Southern Soil Fertility Conference.

Besler, B.A., W.J. Grichar, E.P. Prostko, C.W. Bednarz, A.S. Culpepper, T.L. Grey, R.G. Lemon, and K. Brewer. 2001. Cotton response to Cadre residuals following peanut. Proc. Southern Weed Science Society.

Grichar, W.J., C.A. Gerngross, R.G. Lemon, S.A. Senseman, B.A. Besler, and V. Langston. 2001. Interaction of peanut variety, diclosulam rate, and temperature on seed germination. Proc. Southern Weed Science Society.

Baughman, T.A., B.L. Porter, W.J. Grichar, W.C. Johnson, III, P.A. Dotray, J.W. Keeling, J.R. Karnei, R.G. Lemon, B.A. Besler, and K. Brewer. 2001. Peanut tolerance to glyphosate spot applications. Proc. American Peanut Research and Education Society.

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Lemon, R.G., J. Bremer, T. Baughman, J.T. Cothren, and T. Witten. 2001. Evaluation of Aim in Texas cotton. Proc. Plant Protection Conference.

Baumann, P. and R.G. Lemon. 2001. Weed management in reduced tillage systems in central Texas. Proc. Cotton and Rice Conservation Tillage Conference.

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McFarland, M.L., R.G. Lemon, F.M. Hons, and T.Gerik. 2000. Effects of row spacing and nitrogen rate on crop development. Proc. Beltwide Cotton Conferences.

Gerik, T., R.G. Lemon, A.Abrameit, T.Valco, E. Steglich, J.T. Cothren, and D.J. Pigg. 2000. Change in the light extinction coefficient with row spacing in upland cotton. Proc. Beltwide Cotton Conferences.

Baughman, T, P.Dotray, W.J. Grichar, W.Keeling, R.G. Lemon, E.Prostko, B. Porter, B. Besler, K. Brewer, V. Langston, and R. Lassiter. 2000. Strongarm and Dual Magnum combinations for weed control in Texas peanut. Proc. Southern Weed Science Society.

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Prostko, E., T.Baughman, P. Baumann, R.G. Lemon, and T.A. Lee. 2000. Development of a herbicide injury symptomology guide for peanut. Proc. National Weed Science Society.

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Lemon, R.G., and J.R. Sholar. 1999. Maintaining Peanut Profitability in the Southwest. Proc. American Peanut Research and Education Society. (Invited paper)

Lemon, R.G. , M.L. McFarland, J.C. Tuggle, R. Henning, and C. Danheim. 1999. Influence of irrigation water quality and quantity on peanut production in the Texas High Plains. Proc. American Peanut Research and Education Society.

Baughman, T.A., P.A. Dotray, W.J. Grichar, and R.G. Lemon. 1999. Effects of Cadre application timings on peanut in Texas. Proc. American Peanut Research and Education Society.

Prostko, E.P., W.J. Grichar, T.A. Baughman, B. Bessler, and R.G. Lemon. 1999. Cadre and Strongarm comparisons for nutsedge control in peanuts - 1998. Proc. American Peanut Research and Education Society.

Grichar, W.J., E.P. Prostko, and R.G. Lemon. 1999. Interaction of chloroacetamide herbicides with Valor for peanut injury and weed control. Proc. American Peanut Research and Education Society.

Lemon, R.G., T.A. Hoelewyn, A. Abrameit, and T. Gerik. 1999. Evaluation of CGA-248757 (Action) as a harvest aid in central Texas. Proc. Beltwide Cotton Conferences.

Gerik, T.J., R.G. Lemon, and E. Steglich. 1999. Ultra-narrow row cotton performance under drought conditions. Proc. Beltwide Cotton Conferences.

McFarland, M.L., R.G. Lemon, T.J. Gerik, and F.M. Hons. 1999. Nitrogen management in ultra-narrow row cotton. Proc. Beltwide Cotton Conferences.

Matocha, M.A., W.J. Grichar, D.C. Sestak, and R.G. Lemon. 1999. Comparison of Dual and Frontier for yellow nutsedge control. Proc. Southern Weed Science Society.

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Lemon, R.G., T.A. Hoelewyn, T.J. Gerik, and K.L. Faver. 1998. Cotton harvest-aid trials in central Texas. Proc. Beltwide Cotton Conferences.

Lemon, R.G., W.J. Grichar, C.R. Crumley, and T.A. Hoelwyn. 1998. Interactive effects of Temik and herbicides on peanut yield and quality. Proc. Texas Plant Protection Conference Association.

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Lemon, R.G., P.A. Baumann, W.J. Grichar, G.D. Morgan and B.A. Bessler. 1997. Interactions with Staple and postemergence grass herbicides. Proc. Beltwide Cotton Conferences.

Bessler, B.A., W.J. Grichar and R.G. Lemon. 1997. Effect of 2,4-DB on runner peanut growth and development. Proc. Southern Weed Science Society.

Sestak, D.C., W.J. Grichar and R.G. Lemon. 1997. Use of surfactants for weed control with Cadre and Pursuit. Proc. Southern Weed Science Society

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Lemon, R.G., W.J. Grichar and D.C. Sestak. 1996. Control of volunteer peanut using postemergence herbicides. Proc. Southern Weed Science Society

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Lemon, R.G., W.J. Grichar and D.C. Sestak. 1996. Sharppod and red morningglory control in peanut using postemergence herbicides. Proc. American Peanut Research and Education Society.

Grichar, W.J., A.E. Colburn and R.G. Lemon. 1995. Eclipta management with postemergence herbicides. Proc. Southern Weed Science Society.

Grichar, W.J. and R.G. Lemon. 1995. Hophornbeam copperleaf control with postemergence herbicides. Proc. American Peanut Research and Education Society.

Lemon, R.G. and W.J. Grichar. 1995. Hophornbeam copperleaf control with soil applied herbicides. Proc. American Peanut Research and Education Society.

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Lemon, R.G., P.N. Wright, B.L. Harris and G. Westmoreland. 1991. The Seco Creek Water Quality Demonstration Project. Proc. American Society of Agronomy - Texas Chapter.

Lemon, R.G., F.M. Hons and J.T. Cothren. 1988. Accumulation and remobilization of nitrogen, phosphorus and dry matter in a leafy and normal corn genotype. American Society of Agronomy.

Hons, F.M., M.A. Locke and R.G. Lemon. 1987. Nitrogen requirements of conservation tillage systems. Proc. Southern Region No-till Conference.

Lemon, R.G. and F.M. Hons. 1986. Subterranean clover as a cover crop and N source for minimum-tillage grain sorghum production. American Society of Agronomy.

Hons, F.M. and R.G. Lemon. 1985. Tillage and cropping sequence effects on yields and nitrogen use efficiency. Proc. Southeast No-Tillage Systems Conf.

Locke, M.A. , F.M. Hons and R.G. Lemon. 1985. Tillage and cropping sequence effects on yields and nitrogen use efficiency. American Society of Agronomy.

Lemon, R.G. , F.M. Hons, J.M. Chandler, J.T. Cothren and D.C. Bridges. 1984. Effect of annual clover on double-cropped yields of cotton and grain sorghum. American Society of Agronomy.

Research Center Technical Publications

Grichar, W.J., D.C. Sestak and R.G. Lemon. Control of Yellowtop in Peanut with Postemergence Herbicides. CTR-9701. 1997.

Grichar, W.J. and R.G. Lemon. Control of Hophornbeam Copperleaf and Ivyleaf Morningglory in Peanut. CTR-9702. 1997.

Grichar, W.J. and R.G. Lemon. Palmer Amaranth Control in Peanut. CTR-9703. 1997.

Grichar W.J., D.C. Sestak and R.G. Lemon. Peanut Response to Pursuit as affected by Timing of Application. CTR-9704. 1997.

Grichar, W.J. and R.G. Lemon. Eclipta Control in Peanut with Soil-Applied herbicides. CTR-9601. 1996.

Grichar, W.J. and R.G. Lemon. Frontier for Weed Control in Texas Peanut. CTR-9602. 1996.

Grichar, W.J., P.A. Baumann and R.G. Lemon. Yellow Nutsedge Control in Peanut as Influenced by Method of Dual Application. CTR-9603. 1996.

Lemon, R.G. and W.J. Grichar. Cadre for Weed Control in Texas Peanut. CTR-9604. 1996.

Video

Video: Assessment of Ultra Narrow Row cotton June 1999. Agricultural Communications.

CD / DVD Materials

Cotton Resource CD – 2005

Cotton Resource DVD – 2007

Professionalism and Service

American Peanut Research and Education Society

Member of the Board of Directors - 2001, 2002.

Served on the Bayer County Agent Award Committee - selects worthy CEA from each state to present paper during CEA session - 1999, 2000, 2001, 2002

Member of the Bailey Award Committee which selects the best paper presented at the annual meeting – 1999 - 2002

Chairman of the Bailey Award Committee - 2001/2002

Serve as an Associate Editor for Peanut Science Journal - 1999, 2000, 2001, 2002

Serve on the Site Selection Committee - 2001, 2002

Texas coordinator for APRES Quarterly Newsletter - 2000, 2001.

Serve on the Joe Sugg Graduate Student Award Committee - selects the outstanding graduate student papers presented at the annual meeting - 1999, 2000

Served as Technical Program Chairman for the annual meeting - 1997. As technical Program Chairman, I was responsible for coordinating the general "call" for papers and a symposium focusing on tomato spotted wilt virus. Specifically, duties included, issuing the call for papers, collecting and editing 93 abstracts, organizing 10 different technical sessions, obtaining moderators for technical sessions, developing the on-site program and local printing of 1,500 copies, producing signs for technical sessions and committee meetings and arranging for audio-visual equipment. I also worked closely with the local arrangements and program chairmen regarding issues related to the meeting and hotel accommodations.

Served as moderator for Production Technology Session - 1997.

Serve on Coyt Wilson Award Committee - selects individuals that have provided exemplary service to the Society - 1997, 1998, 1999

Member of Public Relations Committee - 1995, 1996

Beltwide Cotton Conference

Cotton Physiology Session Moderator – 2002 - 2008

Beltwide Cotton Conference Steering Committee Member – 2003 - 2008

Texas Plant Protection Conference Association

Cotton session chairman – 2000 - 2007
Cotton and Peanuts session chairman – 1996 - 1999

Texas Chapter - American Society of Agronomy

Board of Directors - 1997, 1998, 1999, 2000, 2001, 2002
President and member of the Board of Directors - 1999
Vice President and member of the Board of Directors and program chairman for 1998 annual meeting.

Cotton Physiology WorkGroup Meeting

Chair for 2003 – 2004 meeting

Editing

Associate Editor Crop Management Journal – 2003- 2005
Associate Editor Peanut Science Journal – 1999 - 2003
Cotton release proposal for Tamcot 8104, Tamcot Pyramid.
Peanut release proposal for Tamrun 96, Tamrun 98 and Olin.
Wheat release proposal for Tam300
Reviewed manuscripts for Peanut Science, Cotton Science, Journal of Production Agriculture, and Weed Technology.

Direction of Graduate Students

Committee member for Mr. Travis Janak – pursuing a M.S.
Co-Chair for Mr. Dusty Tittle – pursuing a M.S.
Committee member for Mr. Bobby Hardin – pursuing Ph.D.
Committee member for Mr. Josh Bynum – pursuing Ph.D.
Committee member for Mr. Dan Fromme – pursuing Ph.D.
Committee member for Mr. Phillip Jost - obtained a Ph.D.
Committee member for Mr. Kendall Bonds - obtained a M.Ag.
Committee member for Ms. Evelyn Steglich - obtained M.S.
Committee member for Mr. Chris Tingle - obtained a Ph.D.
Committee member for Mr. Brent Besler – obtained a Ph.D.
Committee member for Cecilia Gerngross - obtained a M.S.
Committee member for Mr. Ty Witten – obtained Ph.D.
Committee member for Mr. Mike Baring – obtained M.S.
Committee member for Ms. Leah Huntley – obtained M.S.
Co-chair for Mr. Josh Bynum – obtained a M.S.

Awards and Recognition

Cotton Specialist of the Year 2007.

Texas AgriLife Extension Service Superior Service Award – Team Category. Cotton Stalk Destruction. 2007.

Texas Plant Protection Association Award for Outstanding Contributions to Texas Agriculture. 2004.

Special recognition from Texas Peanut Producers Board for 8 years of service as statewide peanut specialist- 2002.

Certificate of appreciation from American Peanut Research and Education Society for four years of service as an Associate Editor for Peanut Science Journal - 2002.

Soil and Crop Science Department Extension Specialist of the Year Award - 2001

Co-authored a paper at the 2001 American Peanut Research and Education Society titled: Effects of narrow and twin row systems on peanut production in south Texas. The paper was voted best in the Production Technology session and was selected for the Bailey Award.

Co-authored a paper at the 1999 American Peanut Research and Education Society titled: Influence of water quality and quantity on peanut production in the Texas High Plains. The paper was voted best in the Production Technology session and was selected for the Bailey Award.

Co-authored a paper at the 1997 American Peanut Research and Education Society titled: Comparison of metolachlor and dimethenamid for nutsedge control and peanut injury. The paper was voted best in the Weed Science session and was selected for the Bailey Award. The Bailey Award is presented to the best paper presented at the annual meeting.

Deputy Chancellors Award in Excellence - Team Category - TAEX Water Quality Initiatives Team – 1992

Significant 5 Year Accomplishments

Initiated on-farm replicated, uniform cotton variety trials in Coastal Bend, Upper Gulf Coast and Central Texas production regions, providing clientele and allied industry with best available information regarding variety selection – estimated value to clientele \$4 million annually.

Initiated cotton stalk destruction research and education program, focusing on use of herbicides for timely and effective stalk destruction. Authored stalk destruction publication with distribution of over 20,000 copies. Estimated economic impact of this program \$5.5

million.

Co-developed Cotton Resource CD, containing information addressing all aspects of cotton production. Distributed 1,500 copies to clientele. Annual “hits” on website – 175,000.

Co-member of 5-year nitrogen management project that identified residual nitrogen occurrence in cotton production culture. Developed nitrogen management publication and recommendations for deeper profile sampling. Project results indicated that nitrogen applications could be reduced by 30%. Based on current nitrogen fertilizer prices, reductions in nitrogen fertilizer applications could exceed 30,000,000 lbs. with an economic value of over \$12 million.