

## CURRICULUM VITAE OF

### **GARY LYNN LENTZ**

#### **NAME AND BIOGRAPHICAL DATA**

Name: Gary Lynn Lentz  
Age: 59  
Birthplace: Hollywood, CA  
Marital status: Married Aneita Meddress June 10, 1965  
Children: Six

#### **EDUCATIONAL BACKGROUND**

Iowa State University. Ph.D. (Entomology). "Biology and population ecology of parasites of the green cloverworm, Plathypena scabra (F.) (Lepidoptera: Noctuidae) in Iowa." 1973.

University of Missouri. Graduate work in Entomology. 1965-68.

University of Missouri. A.B. 1961-65

#### **PROFESSIONAL EXPERIENCE**

1980 - present Associate Professor, Department of Entomology and Plant Pathology, University of Tennessee

1974 - 1980 Assistant Professor, Department of Entomology and Plant Pathology, University of Tennessee

1972 - 1974 Assistant Entomologist, University of Arizona

1968 - 1972 Research Associate, Iowa State University

1966 - 1968 Research Assistant, University of Missouri

#### **INTERNATIONAL EXPERIENCE**

Feb. 26 - Mar. 16, 1998 Toured Thailand's Kasetsart University Experiment Stations for the purpose of developing cooperative research in cotton, corn and soybeans

Apr. 11 - May 2, 1995 Worked with Bolivian Cotton Producers (ADEPA) to improve cotton IPM systems

July 28 - Visit to missionary work in Quito, Ecuador and Vicinity  
 Aug. 4, 1992

### LANGUAGE PROFICIENCY

Spanish - Reading comprehension, low verbal skills

French - Reading Comprehension

### TEACHING ACTIVITIES

#### Courses Taught

1994 - Integrated Pest Management (Entomology and Plant Pathology 530, Plant and Soil Science 530) (3 CR)

#### Theses Directed

McAllister, C. D. Interaction of herbicides and early-season insecticides on thrips populations and plant growth characteristics on herbicide-tolerant transgenic cotton .

Harris, J. L. - "Impact of cotton tillage systems on in-season and overwintering survival and emergence of Heliiothis virescens".

Mizell, R. S. - "Comparison of early-season thrips controls and their effects on cotton plant parameters".

Van Tol, N. B. - "Influence of Bt cotton on beneficial arthropod populations".

Parman, K. S. - "Evaluation of Lygus lineolaris (Hemiptera: Miridae) as a vector of bacterial soft rot in broccoli and arthropods associated with broccli in Tennessee".

Jones, R. S. - "Assessment of Bt cottons for Heliiothine complex control and yield potential in Tennessee".

Bannister, J. M. - "Impact of selected insecticides on Lygus lineolaris and beneficial arthropods associated with cotton".

Boyd, M. L. - "Insects and arachnids associated with rapeseed, Brassica napus spp. oleifera in Western Tennessee".

Mullins, J. W. - "Boll weevil (Anthonomus grandis: Curculionidae) and Bracon mellitor (Braconidae) emergence from cotton squares".

- Wyatt, W. B. - "Economic threshold studies of the boll weevil (Anthonomus grandis) in West Tennessee".
- Bailey, G. - "Evaluation of early-season insecticides for control of Thysanoptera".
- Lambert, L. - "Development periods, preoviposition periods, and oviposition rates of the cotton boll weevil, Anthonomus grandis Boheman".

### Thesis Committee Activities

S. Jacob	-	M.S.	-	Chair	-	Current
C. McAllister	-	M.S.	-	Chair	-	Graduated 6/01
J. Harris	-	M.S.	-	Chair	-	Graduated 12/98
N. B. Van Tol	-	M.S.	-	Chair	-	Graduated 6/98
R. S. Mizell	-	M.S.	-	Chair	-	Graduated 6/98
K. J. Silas	-	M.S.	-	Co-Chair	-	Graduated 12/97
R. S. Jones	-	M.S.	-	Chair	-	Graduated 6/97
P. Bushong	-	M.S.	-	Member	-	Graduated 6/97
J. M. Bannister	-	M.S.	-	Chair	-	Graduated 6/95
M. L. Boyd	-	M.S.	-	Chair	-	Graduated 12/91
D. Sudbrink	-	M.S.	-	Member	-	Graduated 8/91
W. B. Wyatt	-	M.S.	-	Co-Chair	-	Graduated 6/78
J. W. Mullins	-	M.S.	-	Chair	-	Graduated 6/76
G. Bailey	-	M.S.	-	Co-Chair	-	Graduated 6/76
L. Lambert	-	M.S.	-	Member	-	Graduated 12/74

### Science Education Activities

Judge Jr. & Sr. High Science Fair Union University  
 March 17, 1987  
 March 30, 2001

## RESEARCH ACTIVITIES

### Hatch Projects

- 2002 - 2007 TEN00265. Insect Pest Management in Low-Input Sustainable Agriculture Production Systems in West Tennessee.
- 2002 - 2007 TEN00268. Dynamic Soybean Pest Management for Evolving Agricultural Technologies and Cropping Systems.
- 1997 - 2002 TEN00171. Dynamic soybean insect management for emerging agricultural technologies and variable environments.
- 1996 - 2001 TEN00129. Development of components for cotton insect management systems in Tennessee.

- 1993 - 1997      TEN00041. Development of sustainable IPM strategies for soybean arthropod pests. S-255
- 1991 - 1996      TEN00996. Economic thresholds, bionomics, & management of cotton insects.
- 1987 - 1993      TEN00869. Arthropod induced stress on soybean: evaluation and management. S-219
- 1986 - 1991      TEN00829. Management and bionomics of cotton insects.
- 1981 - 1986      TEN00672. Ecology and management of cotton insects.
- 1981 - 1987      TEN00624. Tactics for management of soybean pest complexes. S-157.
- 1976 - 1981      TEN00467. An integrated system for the suppression of the boll weevil. S-102
- 1975 - 1980      TEN00468. Host plant resistance in cotton to insects, mites, nematodes and diseases. S-105
- 1975 - 1980      TEN00438. Ecology, bioeconomics, and management of arthropod pests of soybeans.

## Publications

### Refereed Journal Articles

- 2000 -      Carder, J. B., G. L. Lentz, and N. B. Van Tol. 2000. Impact of early-season pesticide treatments for control of *Lygus lineolaris* (Hemiptera: Miridae) on predators of *Helicoverpa zea* (Lepidoptera: Noctuidae) in cotton. *J. Agric. Urban Entomol.* 17(2):89-97.
- 1999 -      Boyd, M. L., and G. L. Lentz. 1999. Seasonal occurrence and abundance of the tarnished plant bug (Hemiptera: Miridae) and thrips (Thysanoptera; Thripidae) on rapeseed in West Tennessee. *J. Agric. Urban Entomol.* 16(3):171-178.
- 1994 -      Boyd, M. L., and G. L. Lentz. 1994. Seasonal incidence of aphids and the aphid parasitoid *Diaeretiella rapae* (M'Intosh) (Hymenoptera: Aphidiidae) on rapeseed in Tennessee. *Environ. Entomol.* 23:349-353.
- Boyd, M. L., and G. L. Lentz. 1994. Seasonal incidence of the cabbage

- seedpod weevil (Coleoptera: Curculionidae) on rapeseed in West Tennessee. *Environ. Entomol.* 23:900-905
- 1993 - Hayes, R. M., P. A. Brawley and G. L. Lentz. Insect control and cotton injury with clomazone - insecticide combinations. *So. Weed Sci. Soc.* 1993.
- 1992 - Lentz, G. L. 1992. Obituary - Richard E. Caron. *American Entomologist* 1992. 38:190.
- 1987 - Lentz, Gary L. 1987a. Book Review: The Ecological Web. More on the Distribution and Abundance of Animals. H. G. Andrewartha and L. C. Birch. 1984. *Bull. Entomol. Soc. Amer.* 33(2):102-103.
- 1987b. Book Review: Insect Ecology, 2nd edition. Peter W. Price 1984. *Ibid.* 33(4):266-267.
- 1985 - Lentz, Gary L., R. M. Hayes, and A. Y. Chambers. 1985. Interactions of insecticide-nematicides, metribuzin and environment on soybean injury and yield. *J. Econ. Entomol.* 78:1217-1221.
- Lentz, Gary L. 1985a. Occurrence of Phyllophaga congrua (LeConte) and P. implicita (Horn) (Coleoptera: Scarabaeidae) on soybeans. *J. Kans. Entomol. Soc.* 58:202-206.
- 1985b. Efficacy of new insecticides against the bollworm and their effects on cotton yield, maturity, and fiber properties in West Tennessee. *J. Agric. Entomol.* 2:6-12.
- 1983 - Lentz, Gary L., A. Y. Chambers, and R. M. Hayes. 1983. Effects of systemic insecticide-nematicides on mid-season pest and predator populations in soybean. *J. Econ. Entomol.* 76:836-840.
- 1981 - Mullins, J. W., and Gary L. Lentz. 1981. Seasonal patterns of boll weevil, Anthonomus grandis Boheman, emergence from cotton squares in West Tennessee. *J. Ga. Entomol. Soc.* 16:21-7.
- 1979 - Lambert, Lavone, Gary L. Lentz, and Edward T. Cherry. 1979. Preoviposition periods and oviposition rates of insectary-reared boll weevils. *Environ. Entomol.* 8:1091-4.
- 1977 - Lambert, L., G. L. Lentz, and E. T. Cherry. 1977. Development periods of the boll weevil at different temperatures during the growing season in West Tennessee. *Environ. Entomol.* 6:350-2.

- 1975 - Lentz, G. L., and L. P. Pedigo. 1975. Population ecology of parasites of the green cloverworm in Iowa. *J. Econ. Entomol.* 68:301-4.
- 1974 - Lentz, G. L., T. F. Watson, and R. V. Carr. 1974. Dosage-mortality studies on laboratory-reared larvae of the tobacco budworm and the bollworm. *J. Econ. Entomol.* 67:719-20.
- Lentz, G. L., and L. P. Pedigo. 1974. Life history phenomena of Rogas nolophanae and Winthemia sinuata, parasites of the green cloverworm. *Entomol. Soc. Amer. Ann.* 67:678-80.
- 1973 - Pedigo, L. P., J. D. Stone, and G. L. Lentz. 1973. Biological synopsis of the green cloverworm in central Iowa. *J. Econ. Entomol.* 66(3):665-73.
- 1972 - Pedigo, L. P., J. D. Stone, and G. L. Lentz. 1972. Survivorship of experimental cohorts of the green cloverworm on greenhouse and open-field soybean. *Environ. Entomol.* 1(2):180-6.
- Pedigo, L. P., G. L. Lentz, J. D. Stone, and D. F. Cox. 1972. Green cloverworm larval populations in Iowa soybean with special reference to sampling procedure. *J. Econ. Entomol.* 65(2):414-21.
- 1970 - Sievers, Dennis M., Gary L. Lentz, and Robert P. Beasley. 1970. Movement of agricultural fertilizers and organic insecticides in surface runoff. *Transactions of the ASAE* 13(3):323-5.

#### Papers in proceedings

- 2003 - Lentz, G. L., N. Van Tol and D. Pekarchick. 2003. Performance of early-season insecticides under adverse conditions in West Tennessee. *Proc. Beltwide Cotton Confs.*
- 2002 - Payne, G.T., G. Lentz and nineteen authors. 2002. U. S. Cottonbelt survey: Testing the susceptibility of the bollworm, *Helicoverpa zea* (Boddie) to pyrethroid insecticides. *Proc. Beltwide Cotton Confs.*
- 2001 - Lentz, G. L., N. B. Van Tol, and D. Keeton. 2001. Bt cotton performance in West Tennessee. *Proc. Beltwide Cotton Confs.* 2:849-851.
- Payne, G., G. Lentz et al. 2001. Status of bollworm, Helicoverpa zea, susceptibility to the pyrethroids in the Mid-South and Southeast: Cotton Incorporated/IRAC - US 2000 update. *Proc. Beltwide Cotton Confs.* 2:782-785.

- Lentz, G.L. 2001. The emergence of stink bugs as crop pests in Tennessee. Tennessee Entomological Society 28<sup>th</sup> Annual Meeting, The Firefly, Clarksville, TN, October 12-13.
- 2000 - Lentz, G. L., and N. B. Van Tol. 2000. Early-season insect control: Adage™ vs recommended standards. Proc. Beltwide Cotton Confs. 2:1113-1115.
- 2000 - Van Tol, N. B., and G. L. Lentz. 2000. Early-season insect control in UNR cotton. Proc. Beltwide Cotton Confs. 2:1144-1147.
- 1999 - Van Tol, N. B., and G. L. Lentz. 1999. Evaluation of Adage for early-season insect control. Proc. Beltwide Cotton Confs. 2:1098-1101.
- 1998 - Edens, E. R., S. Slinsky, J. A. Larson, R. K. Roberts, and G. L. Lentz. 1998. Economic analysis of genetically engineered Bt cotton for tobacco budworm and bollworm control. Proc. Beltwide Cotton Confs. 1:380-383.
- Slinsky, S., E. R. Edens, J. A. Larson, R. K. Roberts, and G. L. Lentz. 1998. Economic analysis of genetically engineered Bt cotton for tobacco budworm and bollworm control. Southern Agricultural Economics Association Annual Meeting, Little Rock, AR, February 1-4.
- Van Tol, N. B. and G. L. Lentz. 1998. Influence of Bt cotton on beneficial arthropod populations. Proc. Beltwide Cotton Confs. 2:1052-1054.
- 1996 - Steinkraus, D. C., G. O. Boys, R. G. Hollingsworth, J. S. Bachelier, J. A. DuRant, B. L. Freeman, M. J. Gaylor, F. A. Harris, A. Knutson, G. L. Lentz, B. R. Leonard, R. Luttrell, D. Parker, J. D. Powell, J. R. Ruberson, C. Sorenson. 1996. Multistate sampling for Neozygites fresenii in cotton. Proc. Beltwide Cotton Confs. 2:735-738.
- 1994 - Lentz, G. L., and N. B. Austin. 1994. Control of early-season thrips on cotton with Gaucho (NTN 33893) seed treatments. Proc. Beltwide Cotton Confs. 2:847-849.
- Lentz, G. L. 1994. Dectes stem borer in soybeans. Proc. 1994 Southern Soybean Conf. pp. 151-155.

### **Book Chapters**

- 1994 - Lentz, G. L. 1994. Dectes stem borer. In: L. Higley and D. Boethel (eds.), ESA Handbook of Soybean Insects. Entomological Society of America, Lanham, MD.

### **TAES Publications**

- 2003 - Lentz, G. 2003. Bt corn hybrid tests, p. 32. In: F. L. Allen, R. Johnson and R. C. Williams, Corn & Grain Sorghum Performance Tests in Tennessee 2002. The University of Tennessee, Agricultural Experiment Station Research Report 03-02.
- 2002 - Lentz, G., and B. Vickers. 2002. Management of corn borers with Bt corn. Tour Reports. 2002 Milan No-Till Crop Production Field Day & Equipment Demonstrations. Special Publication, July 2002. p. 31.
- Lentz, G., N. Van Tol and G. Miles. 2002. Stink bug scouting and control. Tour Reports. 2002 Milan No-Till Crop Production Field Day & Equipment Demonstrations. Special Publication, July 2002. p. 13.
- 2001 - Lentz, G., E. Burns and Ricky Mathenia. 2001. BT Corn Performance. Tour Reports. 2001 Milan No-Till Crop Production Field Day & Equipment Demonstrations. Special Publication 01-01, July 2001. p. 5.
- Lentz, G., N. Van Tol and D.M. Keeton. 2001. BT Cotton Performance. Tour Reports. 2001 Milan No-Till Crop Production Field Day & Equipment Demonstrations. Special Publication 01-01, July 2001. Pp. 25-26.
- Van Tol, N.B., G.L. Lentz and J. Parker. 2001. Adage for Early-Season Insect Management. Tour Reports. 2001 Milan No-Till Crop Production Field Day & Equipment Demonstrations. Special Publication 01-01, July 2001. Pp. 26-28.
- 1998 - Lentz, G. L., N. B. Van Tol and R. Mizell. 1998. Insect control on cotton, 1996. The University of Tennessee, Agricultural Experiment Station Research Report 98-01. January 1998.
- 1996 - Lentz, G. L. and N. B. Austin. 1996. Insect control on cotton, 1995. The University of Tennessee, Agricultural Experiment Station Research Report 96-20. October 1996.
- Lentz, G. L., N. B. Austin and J. Bannister. 1996. Insect control on cotton, 1994. The University of Tennessee, Agricultural Experiment Station Research Report 96-19. September 1996.
- 1994 - Lentz, G. L., N. B. Austin, and J. M. Bannister. 1994. Insect control on cotton, 1993. University of Tennessee, Agricultural Experiment Station Research Report. 94-11. July 1994.

- 1993 - Lentz, G. L. and N. B. Austin. 1993. Insect control on cotton, 1992. University of Tennessee, Agricultural Experiment Station Research Report 93-01. January 1993.
- 1993. Seedling insect control on squash in 1992. In: 1992 Results on vegetable research in Tennessee, J. E. Wyatt, Ed. Research Report 93-05, University of Tennessee, Agricultural Experiment Station. p. 93-95.
  - 1993. Foliar insecticides for control of squash insects. Ibid. p. 96.
- 1992 - Canaday, C. H. and G. L. Lentz. 1992. Evaluation of floating row covers for protection of summer squash from aphid-transmitted viruses. In: 1991 Results on vegetable research in Tennessee, J. E. Wyatt, Ed. Research Report 92-12, University of Tennessee Agricultural Experiment Station. p. 104-106.
- 1991 - Lentz, G. L. and N. B. Austin. 1991. Insecticide evaluations for insect control in cotton, 1991. University of Tennessee, Agricultural Experiment Station Research Report 91-28. December 1991.
- Lentz, G. L. 1991. Insecticide evaluations for insect control in cotton, 1990. University of Tennessee, Agricultural Experiment Station Research Report 91-01, January 1991.
- 1988 - Lentz, Gary L. 1988. Comparative and residual effectiveness of new insecticides for control of boll weevil. *Tenn. Farm and Home Sci.* 145:16-18.
- 1984 - Lentz, Gary L. 1984a. Control of soybean thrips on drought stressed seedling soybean. *Tenn. Farm and Home Sci.* 129:5-6.
- 1984b. Effects of insect management schemes on cotton yield, maturity, and fiber properties. Ibid. 130:2-5.
- 1983 - Lentz, Gary L. 1983 a. A preliminary report on the response of cotton to treatment with chlordimeform insecticide for yield enhancement. *Tenn. Farm and Home Sci.* 126:14-15.
- 1983b. Control of the green cloverworm on soybeans with foliar-applied insecticides. Ibid. 128:2-4.
- 1981 - Lentz, Gary L. 1981a. Green cloverworm populations on soybeans in West Tennessee. *Tenn. Farm and Home Sci.* 117:12-3.

- 1980 - Lentz, Gary L. 1980. Bollworm suppression in cotton with insecticides. Tenn. Farm and Home Sci. 113:21-2.

### **Published Abstracts of Presentations**

- 2002 - Lentz, G. L. 2002. The emergence of stink bugs as crop pests in Tennessee. The Firefly. Tennessee Entomological Society. 16:4.
- 2001 - McAllister, C. D. and G. L. Lentz. 2001. Observations on early-season thrips and selected cotton growth parameters in BXN cotton for 1999 and 2000. The Firefly. Tennessee Entomological Society. 15:2.
- 2000 - Lentz, G. L. 2000. Thrips species associated with early-season cotton production in West Tennessee. The Firefly. Tennessee Entomological Society. 14:11.
- McAllister, C., G. L. Lentz, and N. B. Van Tol. 2000. Herbicide effects on early-season thrips management programs in cotton. The Firefly, Tennessee Entomological Society. 14:3.
- 1999 - Lentz, G. L. 1999. Early-season insect control: Herbicide effects on efficacy, plant development and yield in Roundup Ready cotton. Proc. Beltwide Cotton Confs. 2:981.
- Harris, J. L. and G. L. Lentz. 1999. Season emergence of tobacco budworm from West Tennessee cotton. The Firefly, Tennessee Entomological Society. 13:7.
- Lentz, G. L. 1999. Integrated pest management in Thailand agroecosystems. The Firefly, Tennessee Entomological Society. 13:11.
- 1998 - Lentz, G. L., and N. B. Van Tol. 1998. Impact of cotton aphid on lint yield. Proc. Beltwide Cotton Confs. 2:1058.
- Van Tol, N. B. and G. L. Lentz. 1998. Beneficial arthropod populations in transgenic and conventional cottons. The Firefly, Tennessee Entomological Society. 12:2.
- Mizell, R. S., G. L. Lentz and N. B. Van Tol. 1998. Early-season thrips control on cotton in West Tennessee. The Firefly, Tennessee Entomological Society. 12:10
- Lentz, G. L. and N. B. Van Tol. 1998. Cotton aphid control in Tennessee. The Firefly, Tennessee Entomological Society. 12:11.

- 1997 - Jones, R. S. and G. L. Lentz. 1997. Assessment of Bt cottons for Heliothine species control in Tennessee. The Firefly, Tennessee Entomological Society. 11:4.
- 1997 - Lentz, G. L., N. Austin, and R. S. Mizell. 1997. Evaluation of Garlic Barrier for cotton insect control in Tennessee. Proc. Beltwide Cotton Confs. 2:1158.
- 1995 - Chambers, A. Y., and G. L. Lentz. 1995. Imidacloprid insecticide seed treatments for barley yellow dwarf virus control in wheat. Phytopathology 85(4):509.
- Bannister, J. M., G. L. Lentz and N. B. Austin. 1995. Response of beneficial arthropod populations to early-season insecticide treatments in cotton. Proc. Beltwide Cotton Confs. pp. 1038-1039.
- Lentz, G. L., and N. B. Austin. 1995. Response of three cotton cultivars to four levels of bollworm infestations. Proc. Beltwide Cotton Confs. p. 800.
- 1995 - Lentz, G. L. 1995. Integrated management of cotton insects in the Bolivian Subtropics. The Firefly, Tennessee Entomological Society. p.
- 1994 - Hayes, R. M., and G. L. Lentz. 1994. Cotton injury and thrips control with soil insecticide - domazone combinations. Proc. Beltwide Cotton Confs. 3:1703.
- 1992 - Lentz, G. L. 1992. Economics of early-season cotton insect control. The Firefly, Tennessee Entomological Society. p. 12.
- 1991 - Boyd, M. and G. L. Lentz. 1991. Seasonal incidence of selected insects associated with rapeseed in West Tennessee. The Firefly, Tennessee Entomological Society. p. 3.
- Lentz, G. L. 1991. Comparison of squaring rates of three cotton cultivars during four levels of simulated square loss. Proc. Beltwide Cotton Prod. Res. Confs. p. 806.
- 1990 - Lentz, G. L. 1990. Simulated insect damage effects on yield, maturity and fiber quality of three cotton cultivars. Proc. Beltwide Cotton Prod. Res. Confs. p. 206.
- 1988 - Lentz, G. L. 1988. Effect of selected insecticide classes on cotton yield and maturity. Proc. Beltwide Cotton Prod. Res. Confs. p. 321.

- 1987 - Lentz, G. L. 1987c. Entomological implications of aldicarb use in West Tennessee soybeans. Proc. Southern Soybean Disease Workers Fourteenth Annual Meeting. p. 85.
- 1986 - Hoskinson, P. E., Albert Y. Chambers, and Gary L. Lentz. 1986. Effects of seven granular and/or liquid treatments on stand establishment and on lint yields of no-tilled and conventionally-planted cotton. Proc. Beltwide Cotton Prod. Res. Confs. p. 20.
- 1980 - Hayes, R. M., G. L. Lentz, and A. Y. Chambers. 1980. Response of soybeans to combinations of metribuzin and selected nematicides. Proc. South. Weed Sci. Soc. 33:52.
- 1972 - Lentz, G. L., and L. P. Pedigo. 1972. Insect parasites of the green cloverworm in Iowa. Proc. North Central Br. Entomol. Soc. Am. 27:172.

#### **Miscellaneous Research Reports**

- 1995 - Bannister, J. M., G. L. Lentz, and N. B. Austin. 1995. Efficacy of insecticides on tarnished plant bug in cotton, 1994. Arthropod Management Tests 20:193.
- 1994 - Bannister, J. M., and G. L. Lentz. 1994. Efficacy of insecticides on tarnished plant bug in cotton, 1993. Arthropod Management Tests 19:219-220.
- 1986 - Lentz, Gary L. 1986a. Application of bollworm insecticides for yield enhancement, 1984. Ent. Soc. of Amer.-Insecticide and Acaricide Tests. 11:276-277.
- 1986b. Bollworm control with AIM (CGA 112913), an IGR, 1984. Ibid. 11:277.
- 1986c. Early season cotton insect control, 1984. Ibid. 11:277-278.
- 1986d. Insecticide treatments for bollworm control, 1984. Ibid. 11:238.
- 1986e. Spray additive R/S 020 effect on bollworm control, 1984. Ibid. 11:278-279.
- 1984 - 1984c. Chemical control of the bean leaf beetle, 1983. Ent. Soc. Amer.-Insecticide and Acaricide Tests. 9:308.
- 1984d. Chemical control of the green cloverworm, 1983. Ibid. 9:308-9.

- 1984e. Soybean insect control with foliar applications, 1982. Ibid. 9:309-10.
- Lentz, Gary L., and Paul Hunkapiller. 1984. Chemical control of boll weevil, 1983. Ibid. 9:265-6.
- 1983 - Lentz, G. L. 1983c. Chemical control of thrips on cotton, 1982. Ent. Soc. Amer.-Insecticide and Acaricide Tests. 8:193-4.
- 1983d. Insecticide treatments for bollworm control, 1982. Ibid. 8:194.
- 1982 - Lentz, Gary L., R. M. Hayes, and A. Y. Chambers. 1982. Bean leaf beetle control with systemic insecticide-nematicides, 1980. Ibid. 7:185-6.
- Lentz, Gary L. 1982a. Insecticide treatments for plant bug control and their effects on beneficials, 1981. Ibid. 7:160.
- 1982b. Insecticide treatments for thrips control on cotton, 1981. Ibid. 7:161.
- 1982c. Effects of chlordimeform on yield, 1981. Ibid. 7:159.
- 1982d. Insecticide treatments for bollworm control, 1981. Ibid. 7:159.
- 1982e. Soybean insecticide-fungicide seed treatments, 1981. Ibid. 7:185.
- 1981 - 1981b. Chemical control of the tobacco budworm, 1980. Ent. Soc. Amer.-Insecticide and Acaricide Tests. 6:130.
- 1981c. Bollworm control on cotton with new larvicides, 1980. Ibid. 6:122.
- 1981d. Effect of ovicides on bollworm control on cotton, 1980. Ibid. 6:123.
- 1981e. Ovicide-larvicide combinations for bollworm control, 1980. Ibid. 6:123.
- 1981f. Thrips control on seedling cotton, 1980. Ibid. 6:124.
- 1981g. Insecticide treatments for plant bug control and their effect on beneficials, 1980. Ibid. 6:124.
- 1981h. Corn earworm control on soybeans following wheat, 1980. Ibid.

- 6:147.
- 1981i. Green cloverworm control on soybean, 1980. Ibid. 6:148.
  - 1980 - Lentz, Gary L. 1980. Bollworm and tobacco budworm control, 1978. Ent. Soc. Amer.-Insecticide and Acaricide Tests. 5:134.
  - 1977 - Reed, H. E., A. Y. Chambers, and G. L. Lentz. 1977. Relation of systemic insecticidal treatments for control of aphids for control of barley yellow dwarf. Ent. Soc. Amer.-Insecticide and Acaricide Tests. 2:95.
  - Reed, H. E., A. Y. Chambers, and G. L. Lentz. 1977. Severity of barley yellow dwarf as related to insecticidal treatments for control of aphids, 1975. Ent. Soc. Amer.-Insecticide and Acaricide Tests. 2:108-9.
  - 1976 - Reed, H. E., A. Y. Chambers, and G. L. Lentz. 1976. Effects of treatments of small grains with systemic insecticides on control of barley yellow dwarf, 1975. Ent. Soc. Amer.-Insecticide and Acaricide Test. 1:93.

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### **Regional Research Publication**

- 2002 - Freeman, B., C. Allen, R. Bagwell, E. Burris, D. Cook, G. Herzog, G. Lentz, R. Leonard and J. Reed. 2002. Thrips (Thysanoptera: Thripidae) A Multi-state Survey: Summary of observations for Alabama, Arkansas, Georgia, Louisiana, Mississippi, and Tennessee. Alabama Coop. Ext. Serv. Pub. ANR-1217. January 2002.
- 2001 - Burris, E., C. Allen, R. Bagwell, D. Cook, B. Freeman, G. Herzog, G. Lentz, R. Leonard, and J. Reed. 2000. Thrips (Thysanoptera: Thripidae) A multi-state survey: Summary of observations for Arkansas, Alabama, Georgia, Louisiana, Mississippi, and Tennessee. Tenn. Agr. Exp. Stn. Special Report 01-01.
- 2000 - Burris, E., C. Allen, R. Bagwell, D. Cook, B. Freeman, G. Herzog, G. Lentz, R. Leonard, and J. Reed. 2000. Thrips (Thysanoptera: Thripidae) A multi-state survey: Summary of observations for Arkansas, Alabama, Georgia, Louisiana, Mississippi, and Tennessee. La. State Univ. Research Information Sheet 103.
- 1996 - McPherson, R. M., T. P. Mack, J. E. Funderburk, D. J. Boethel, C. G. Helm, M. Kogan, L. Lambert, G. L. Lentz, H. N. Pitre, M. J. Sullivan, and M. O. Way. 1996. A multistate field evaluation of arthropod pest resistance in soybean and impact on natural enemies. Ga. Agr. Exp. Stn. Spec. Pub. 88. July.

- 1987 - Clower, D. F., T. R. Pfrimmer, R. G. Luttrell, G. A. Herzog, J. R. Bradley, Jr., J. R. Phillips, A. R. Hopkins, J. A. DuRant, G. L. Lentz, J. A. Harding, J. W. Davis, R. L. McGarr, R. L. Hanna, R. G. Price and J. H. Young. 1987. Efficacy of chemical insecticides against Heliothis species on cotton. pp. 18-24. In J. C. Schneider, A. M. Hammond, D. M. Jackson, E. R. Mitchell, and R. T. Roush (eds.), Theory and Tactics of Heliothis Population Management: II Insecticidal and Insect Growth Regulator Control. South. Coop. Series Bull. No. 329.

### **Extension Service Publications**

- 2003 - Stewart, S. D., and G. L. Lentz. 2003. 2003 Cotton insect control guide. Tenn. Agr. Ext. Serv. PB 387.
- 2001 - Patrick, C. R., and G. L. Lentz. 2001. 2001 Cotton insect control guide. Tenn. Agr. Ext. Serv. PB 387.
- 2000 - Seward, R. W., and G. L. Lentz. 2000. 2000 Cotton insect control guide. Tenn. Agr. Ext. Serv. PB 387.
- 1999 - Lentz, G. L., and N. B. Van Tol. 1999. Insect management on Bollgard cotton. Cotton Focus '99. Jackson, TN. Feb. 23.
- 1999 - Seward, R. W., and G. L. Lentz. 1999. 1999 Cotton insect control guide. Tenn. Agr. Ext. Serv. PB 387
- 1998 - Seward, R. W., and G. L. Lentz. 1998. 1998 Cotton insect control guide. Tenn. Agr. Ext. Serv. PB 387.
- 1997 - Seward, R., and G. L. Lentz. 1997. 1997 Cotton Insect Control. Tenn. Agr. Ext. Serv. PB 387.
- 1996 - Roberts, P., and G. L. Lentz. 1996. 1996 Soybean insect and mite control. Tenn. Agr. Ext. Serv. PB 705.
- 1996 - Lentz, G. L., N. B. Austin, and R. Sherman. 1996. Performance of Bt cotton. Cotton Focus '96, Jackson, TN, Feb. 28.
- 1995 - Lentz, G. L. 1995. Update on Economic Thresholds for Cotton Aphid and Bollworm. Cotton Focus '95, Jackson, TN, Feb. 2.
- 1995 - Roberts, P. M., and G. L. Lentz. 1995. 1995 Soybean insect and mite control. Tenn. Agr. Ext. Serv. PB 705 (revised annually since 1976).
- 1995 - Roberts, P. M., and G. L. Lentz. 1995. 1995 Cotton insect and mite control. Tenn. Agr. Ext. Serv. PB 387. (revised annually since 1976).

- 1994 - Lentz, G. L., R. M. Hayes, N. B. Austin, and P. A. Brawley. 1994. Cotton injury, insect control and yield from Command-soil insecticide combinations. Cotton Focus '94.
- 1993 - Lentz, G. L. 1993. 1993 Soybean insect and mite control. Tenn. Agr. Ext. Serv. PB 705.
- 1982 - Patrick, C. R., and G. L. Lentz. 1982. Field guide and key to soybean insects in Tennessee. Tenn. Agr. Ext. Serv. Pub. 1027.

## **Presentations**

### **Invited presentations**

- 2003 - Lentz, G. L. 2003. Cotton thrips control. Missouri Cotton Production and Outlook Conference, Kennett, MO, Feb. 11.
- Lentz, G. 2003. Seed treatments vs. in-furrow insecticides. Cotton Focus 2003. Jackson, TN, Feb. 18.
- 2002 - Lentz, G.L. 2002. Cruiser as a cotton seed treatment for early season insect control. Tennessee Agricultural Production Association. Franklin, TN. February 5.
- Lentz, G.L. 2002. Stink bugs and their control on soybeans. West Tennessee Grain Conference. Dyersburg, TN. February 7.
- Lentz, G.L. 2002. Insect Management Strategies of Transgenic and Conventional Cotton Varieties. Cotton IPM Workshop. Crockett Co. UT Agr. Ext. Serv. May 21.
- Lentz, G.L. 2002. Insect Identification and Threshold Levels of Pests. Cotton IPM Workshop. Crockett Co. UT Agr. Ext. Serv. May 21.
- Lentz, G.L. 2002. Insect Management Strategies of Transgenic and Conventional Cotton Varieties. Cotton IPM Workshop. Haywood Co. UT Agr. Ext. Serv. May 22.
- Lentz, G.L. 2002. Insect Identification and Threshold Levels of Pests. Cotton IPM Workshop. Haywood Co. UT Agr. Ext. Serv. May 22.
- Lentz, G.L. 2002. Insect Management Strategies of Transgenic and Conventional Cotton Varieties. Cotton IPM Workshop. Fayette Co. UT Agr. Ext. Serv. May 23.
- Lentz, G.L. 2002. Insect Identification and Threshold Levels of Pests. Cotton IPM Workshop. Fayette Co. UT Agr. Ext. Serv. May 23.

Lentz, G.L. 2002. Insect Identification and Control . Radio interview answering calls on the Bill Way Show It s your turn . WNWS 101.5 FM Jackson. 8:30-11:00 am. June 14.

Lentz, G.L. and R. Vickers. 2002. Management of corn borers with Bt corn. Milan No-Till Crop Production Field Day and Equipment Demonstration, July 25.

Lentz, G.L. 2002. Cotton Insects. Tennessee Agricultural Production Association. Gatlinburg, TN. August 1.

- 2001 - Lentz, G. Managing Cotton insects during boll weevil eradication. Cotton Focus 2001.
- Lentz, G. L., and L. Kimery. 2000. Bt cotton performance. Milan No-Till Field Day. Milan, TN, July 27.
- 2000 - Lentz, G. L. 2000. Changing production system: Reduced Tillage. Cotton Incorporated Crop Management Seminar. Memphis, TN Nov. 17.
- Lentz, G. L. 2000. Bts: How are they performing? Tenn. Agr. Production Assoc. Nashville, TN, Feb. 1.
- 1999 - Lentz, G. L. 1999. Performance of Bollgard cotton in Tennessee. Univ. of MO. Delta Field Day. Portageville, MO, Sept. 2.
- Lentz, G. L., and L. Kimery. 1999. Bt Cotton. Milan No-Till Field Day. Milan, TN, July 22.
- Van Tol, N. B., M. Smith, and G. L. Lentz. 1999. Early-season insect control in UNR cotton. Milan No-Till Field Day. Milan, TN, July 22.
- Lentz, G. L. 1999. Performance of Adage insecticide in West Tennessee. National Cotton Council and Novartis Ag. Memphis, TN, Sept. 3.
- 1998 - Lentz, G. L. 1998. Efficacy of Regent insecticide against Lygus. Rhone-Poulenc Tour. Memphis, TN. July 15.
- Lentz, G. L. 1998. Integrated pest management in corn, soybeans, and cotton in West Tennessee. Milan Tour for visiting Argentine Agronomists. Milan, TN. Aug. 25.
- Lentz, G. L. 1998. Study tour Northern Thailand - Integrated pest management in Thailand Agroecosystems. International Programs of Agriculture and Natural Resources Seminar. Knoxville, TN. Nov. 5.

- Lentz, G. L., and J. Parker. 1998. Evaluation of Bt cotton. Milan No-Till Field Day. Milan, TN. July 23.
- Lentz, G. L., P. P. Shelby, and M. Smith. 1998. In-furrow insect control in UNR cotton. Milan No-Till Field Day. Milan, TN. July 23.
- Lentz, G. L. 1998. Bollworm/Tobacco Budworm control with Bt cotton, pyrethroids and Tracer insecticides. Shelby - Tipton County Field Day. Millington, TN. Aug. 11.
- 1997 - Lentz, G. L. 1997. Research results with fipronil and acetamiprid. Rhone-Poulenc Cotton Seminar. Memphis, TN. Feb. 11.
- Lentz, G. L., N. Austin, R. Mizell, J. Gibson, and B. Harris. 1997. Comparison of early-season cotton insect control strategies. Rhone-Poulenc Cotton Seminar. Memphis, TN. Feb. 10.
- Lentz, G. L. and R. Seward. 1997. New technologies for insect control in cotton. Milan No-Till Field Day. Milan, TN. July 24.
- Lentz, G. L. 1997. Performance of Thimet in Mid-South Cotton. Cyanotour '97. Agricenter International, Memphis, TN. July 30.
- Lentz, G. L. 1997. Management of boll weevil in Tennessee. University of Georgia Cotton Discovery Tour. Ames Plantation. Grand Junction, TN. Aug. 12.
- Lentz, G. L. 1997. Comparison of Bt cotton varieties, Tracer insecticide, and pyrethroid insecticides for control of bollworm/tobacco budworm. Fayette Co. Field Day. Somerville, TN. Aug. 21.
- Lentz, G. L. 1997. The use of Orthene as an infurrow and full-season control of plant bugs and tobacco budworm. Orthene 90S Field Day. Agricenter International. Memphis, TN. Aug. 26.
- 1996 - Lentz, G. L., and N. B. Austin. 1996. Gaucho performance in West Tennessee. Gustafson Plant Health Seminar "Gaucho: the year in review", Beltwide Cotton Confs., Nashville, TN Jan. 10.
- 1996 - Lentz, G. L. 1995. "Evaluation of insecticides for control of thrips." Adams Land Co. Early-Season Insect Management Producer Meeting, Leachville, AR, Feb. 5.
- 1996 - Identification of insects associated with field and horticultural crops. Univ. of Tenn. Agr. Exp. Stn. Technician Training Session, Jackson, TN, Feb. 20-21.

- 1995 - "An entomological view of eastern Bolivian agriculture." Departmental Seminar, Knoxville, TN, Nov. 8.
- Lentz, Gary L. 1995. "Efficacy of Fipronil Insecticide Against Early Season Cotton Insects." Mid-South Cotton Seminar, Memphis, TN, Jan. 23-24, Rhone Poulenc.
- Lentz, G. L. 1995. "Efficacy of *Bacillus thuringiensis* (Bt) Cotton in Controlling Bollworm and Tobacco Budworm." Ann. Mtg. of Ames Plantation Board of Trustees, Grand Junction, TN, Nov. 6.
- 1994 - Lentz, G. L. 1994. "Impact of tillage systems on cotton insect populations." Mississippi Entomological Association 41st Annual Mississippi Insect Control Conference, Mississippi State, MS, Nov. 4.
- Lentz, G. L. 1994. "Dectes stem borer in soybeans" Southern Soybean Conference, Memphis, TN, Feb. 14-15.

#### **Papers Presented Without Abstracts**

- 2003 - Lentz, G. L. 2003. Cotton thrips control. Missouri Cotton Production and Outlook Conference, Kennett, MO, Feb. 11.
- Lentz, G. 2003. Seed treatments vs. in-furrow insecticides. Cotton Focus 2003. Jackson, TN, Feb. 18.
- Payne, G., G. Lentz and nineteen authors. 2003. U.S. Cottonbelt Survey 1998-2002: Testing the susceptibility of the bollworm, *Helicoverpa zea* (Boddie), to pyrethroid insecticides. Beltwide Cotton Confs. Poster.
- 2002 - Lentz, G.L. 2002. Reflections: Remembering the Past, Serving the Present, Expecting the Future. Presidential Address. Southeastern Branch Entomological Society of America. Little Rock, AR. March 4.
- Payne, G.T., G.L. Lentz and nineteen authors. 2002. U.S. Cottonbelt Survey 1998-2002: Testing the susceptibility of the bollworm, *Helicoverpa zea* (Boddie), to pyrethroid insecticides. Entomological Society of America. Ft. Lauderdale, FL. November 20. Poster.
- 2001 - McAllister, C. D., and G. L. Lentz. Observations on early-season thrips and selected cotton growth parameters in BXN cotton for 1999 and 2000. Southeastern Branch Ent. Soc. Of America, Augusta, GA. Mar. 5.

- 2000 - McAllister, C. D., and G. Lentz. 2000. Observations on early-season thrips and selected cotton growth parameters in BXN cotton for 1999 and 2000. Ent. Soc. Amer., Montreal, CAN. Dec. 4.
- Lentz, G. L., and N. B. Van Tol. 2000. Potential impact of Bt transgenic crops in West Tennessee. Southeastern Branch Ent. Soc. of America, Mobile, AL. Feb. 29.
  - McAllister, C., and G. L. Lentz. 2000. How does the choice of herbicide and insecticide affect early-season thrips and selected cotton growth parameters? Southeastern Branch Ent. Soc. of America. Mobile, AL. Feb. 28.
  - Lentz, G. L. 2000. Bts: How are they performing? Tenn. Agr. Production Assoc. Nashville, TN. Feb. 1.
- 1999 - Lentz, G. L., and N. B. Van Tol. 1999. Insect management on Bollgard cotton. Univ. of Tenn. Agr. Ext. Serv. Cotton Focus '99. Feb. 23.
- Lentz, G. L., and N. B. Van Tol. 1999. Impact of new technologies on management of early-season cotton insects. Southeastern Branch Ent. Soc. of America. Destin, FL. Feb. 28-Mar. 3.
- 1998 - Harris, J., and G. L. Lentz. 1998. Effects of tillage on in-season survival and emergence of *Heliothis virescens*. Southeastern Branch Ent. Soc. of America. Chattanooga, TN. Mar. 1-4.
- Lentz, G. L., R. S. Mizell, and N. B. Van Tol. 1998. Thimet insecticide performance on Roundup Ready cotton. Southeastern Branch Ent. Soc. of America. Chattanooga, TN. Mar. 1-4.
  - Mizell, R. S., G. L. Lentz, and N. B. Austin. 1998. Early-season thrips control on cotton in West Tennessee. Southeastern Branch Ent. Soc. of America. Chattanooga, TN. Mar. 1-4.
- 1997 - Lentz, G. L., N. Austin and A. Chambers. 1997. Varietal resistance of soybean to Dectes stem borer. Southeastern Branch Ent. Soc. of America, Asheville, NC, Mar. 4.
- Jones, R. S. and G. L. Lentz. 1997. Impact of Bt Cottons on *Heliothis* species in Tennessee. Southeastern Branch Ent. Soc. of America, Asheville, NC. Mar. 3.

- Parman, K. S., G. L. Lentz and C. H. Canaday. 1997. Evaluation of the tarnished plant bug as a vector of bacterial soft rot in broccoli. Southeastern Branch Ent. Soc. of America. Asheville, NC. Mar. 3.
- 1996 - Chambers, A. Y., G. L. Lentz, N. B. Austin, and T. D. Bush. 1996. Insecticide seed treatment for barley yellow dwarf virus control in wheat. Poster. Tenn. Agr. Chem. Assn. Nashville, TN, Feb. 13-14.
- Lentz, G. L., N. Austin, and R. Sherman. 1996. Performance of Bt cotton. Univ. of Tenn. Agr. Ext. Serv. Cotton Focus '96, Jackson, TN, Feb. 28.
- Sherman, R., G. Lentz, and N. Austin. 1996. Evaluation of Bt cotton for suppression of Heliothine species in Tennessee. Southeastern Branch Ent. Soc. of America, Biloxi, MS, Mar. 4.
- Lentz, G. L., and N. Austin. 1996. Economic thresholds for cotton aphid. Southeastern Branch Ent. Soc. of America, Biloxi, MS, Mar. 5.
- Lentz, G. L. 1996. Management and scouting techniques of Bt cotton. Hardeman County Cotton Field Day, Bolivar, TN, July 9.
- Miles, G., M. Dennison, P. Roberts, and G. L. Lentz. 1996. Comparison of early-season insect control - Gaucho, Temik, Di-Syston, and Payload. 16th Annual Milan No-Till Crop Production Field Day, Milan, TN, July 25.
- Lentz, G. L. 1996. Bt cotton - Its potential and value. 16th Annual Milan No-Till Crop Production Field Day, Milan, TN, July 25.
- Lentz, G. L. 1996. Evaluation of Bt cotton and Tracer insecticide for suppression of bollworm/tobacco budworm. Fayette County Field Day, Somerville, TN, Aug. 6.
- 1995 - Bannister, J. M., G. L. Lentz, and N. B. Austin. 1995. Influence of early-season insecticide treatments on beneficial arthropods important for bollworm control in cotton. Southeastern Branch Ent. Soc. of America, Charleston, SC, Mar. 5-8.
- Lentz, G., and P. Roberts. 1995. Insect control in no-till cotton: Bt resistant cotton, BWACT. 15th Annual Milan No-Till Crop Production Field Day, Milan, TN, July 27.
- Chambers, A. Y., G. L. Lentz. 1995. Insecticide seed treatments for barley yellow dwarf in wheat. 15th Annual Milan No-Till Crop Production Field Day, Milan, TN, July 27.

- Lentz, G. L. 1995 Bt cotton for bollworm control. Crops and Wildlife Field Day, Grand Junction, TN. Aug. 10.
  - Chambers, A. Y., and G. L. Lentz. 1995. Gaucho and Barley Yellow Dwarf Control. 11th Annual Meeting of Mid-South Association of Wheat Scientists, Memphis, TN, Aug. 22-23.
  - Lentz, G. L. 1995. Integrated management of cotton insects in the Bolivian Subtropics. 22nd Ann. Mtg. of the Tenn. Entomol. Soc., Nashville, TN, Oct. 19-20.
  - Lentz, G. L., and N. B. Austin. 1995. The effect of leaf pubescence on soybean insect populations. Southeastern Branch Ent. Soc. of America, Charleston, SC, Mar. 5-8.
  - Lentz, G. L., and N. B. Austin. 1995. Seminar Title "The Seed is a Carrier", "Pest Control of the Future". Paper Title "Control of early season thrips on cotton with Gaucho seed treatments". Gustafson Plant Health Seminar, Beltwide Cotton Confs., San Antonio, TX, Jan. 4-7.
- 1994
- Bannister, J. M., and G. L. Lentz. 1994. Impact of insecticide treatments on the tarnished plant bug, Lygus lineolaris. Poster. Tenn. Agr. Chem. Assn. Nashville, TN, Feb. 8.
  - Bannister, J. M., G. L. Lentz, and N. B. Austin. 1994. Impact of early-season insecticide applications on beneficial arthropod populations in cotton. Poster. Ent. Soc. Amer., Dallas, TX, Dec. 13-17.
  - Bannister, J. M., G. L. Lentz, and N. B. Austin. 1994. Evaluation of resistance in Lygus lineolaris to selected insecticides in West Tennessee. Tenn. Ent. Soc., Nashville, TN, Oct. 20.
  - Lentz, G. L. 1994. Response of Dectes stem borer to soybean cultivars. SEB-Ent. Soc. Amer., Baton Rouge, LA, Mar. 8.
  - Bannister, J. M. and G. L. Lentz. 1994. Phosphorodithioate efficacy on Lygus lineolaris in Tennessee. SEB-Ent. Soc. Amer, Baton Rouge, LA, Mar. 8.
  - Roberts, P. M., H. E. Miles, and G. L. Lentz. 1994. Insect control in no-tillage cotton. 14th Annual Milan No-Till Field Day, Milan, TN, July 28.
  - Lentz, G. L., R. M. Hayes, N. B. Austin, and P. A. Brawley. 1994. Cotton injury, insect control and yield from Command-soil insecticide combinations. Univ. of Tenn. Agr. Ext. Serv. Cotton Focus '94, Jackson, TN, Feb. 3.

- Chambers, A. Y., and G. L. Lentz. 1994. Gaucho for barley yellow dwarf control in wheat. 10th Annual Meeting of Mid-South Assn. of Wheat Scientists, Memphis, TN, Aug. 16-17.
- 1993 - Bannister, J. M., and G. L. Lentz. 1993. Efficacy of selected organophosphates on Lygus lineolaris in cotton. Tenn. Ent. Soc., Nashville, TN, Oct. 21.
- Lentz, G. L. 1993. Early-season cotton insecticides. Crop Protection Res. Tour., Jackson, TN, June 17.
- 1992 - Lentz, G. L. 1992. Sweetpotato whitefly - a new pest of cotton in Tennessee. SEB-Ent. Soc. Amer., Savannah, GA, Mar. 10.
- Lentz, G. L. 1992. Mid- and late-season cotton insect and mite management in Tennessee. Univ. of Tenn. Agr. Ext. Serv. Cotton Focus '92. Jackson, TN, Jan. 30.
- Lentz, G. L. 1992. Management and control of squash insects. Vegetable Production Clinic, Jackson, TN, Dec. 10.
- 1991 - Boyd, M., and G. L. Lentz. 1991. Seasonal incidence of selected insects associated with rapeseed in West Tennessee. Tenn. Ent. Soc., Nashville, TN, Oct. 17.
- Boyd, M., and G. L. Lentz. 1991. Selected insects associated with winter rape, Brassica napus spp. oleifera, in West Tennessee. SEB-Ent. Soc. Amer., Orange Beach, AL, Mar.12.
- Boyd, M., and G. L. Lentz, 1991. Insects associated with high erucic acid rape in West Tennessee. Ent. Soc. Amer., Reno, NV, Dec. 7-11.
- Lentz, G. L. 1991. Spring thrips populations on wheat and their relationship to early season thrips on cotton in West Tennessee. SEB-Ent. Soc. Amer., Orange Beach, AL, Mar. 12.
- Lentz, G. L. 1991. Early-season cotton insect control. Tenn. Agr. Chem. Assn., Poster, Nashville, TN, Feb. 12-13.
- Lentz, G. L. 1991. Techniques for insect management in cotton. Univ. of Tenn. Agr. Ext. Serv. Cotton Focus '91, Jackson, TN, Jan. 19.
- Lentz, G. L. 1991. Row covers for control of insect pests of summer squash. Univ. of Tenn. Summer Celebration Lawn and Garden Show, Jackson, TN, July 11.

- 1990 - Boyd, M., and G. L. Lentz. 1990. Population dynamics of rapeseed insects in Tennessee. Ent. Soc. Amer., New Orleans, LA, Dec. 4.
- Boyd, M., and G. L. Lentz. 1990. Insects associated with winter rape, Brassica napus oleifera, in West Tennessee. Tenn. Ent. Soc., Nashville, TN, Oct. 18.
- Lentz, G. L. 1990. Effects of tillage systems and planting date on soybean pest and beneficial arthropods. SEB-Ent. Soc. Amer., Orlando, FL, Feb. 7.
- Lentz, G. L. 1990. Population dynamics of thrips on wheat. Tenn. Ent. Soc., Nashville, TN Oct. 19.
- Lentz, G. L. 1990. Strategies for controlling a pest complex in cotton. Tenn. Agr. Chem. Assn., Nashville, TN, Feb. 13.
- 1988 - Lentz, G. L. 1988. Effect of conservation tillage systems on fate and persistence of fenvalerate and its impact on soil and foliar arthropods. SEB-Ent. Soc. Amer., Raleigh, NC, Jan. 25-27.
- Lentz, G. L. 1988. Sorghum midge and its control. Tenn. Agr. Chem. Assn., Nashville, TN, Feb. 9-10.
- 1987 - Lentz, G. L. 1987. Application of selected classes of insecticides for yield enhancement of cotton. SEB-Ent. Soc. Amer., Jackson, MS, Jan. 26-29.
- Lentz, G. L. 1987. Economics of yield enhancement chemicals. Tenn. Agr. Chem. Assn., Nashville, TN, Feb. 10-11.
- Lentz, G. L. 1987. Insect pests of no-till cotton and soybeans. West TN No-Till Farmers Assn., Jackson, TN, Feb.
- Lentz, G. L. 1987. Effect of conservation tillage systems on the fate and persistence of fenvalerate and impact on soil and foliar arthropods. Tenn. Ent. Soc., Nashville, TN, Oct. 22-23.
- 1986 - Lentz, G. L. 1986. Bollworm control with new insecticides. Tenn. Ent. Soc., Nashville, TN, Oct. 23.
- 1985 - Lentz, G. L. 1985. Pesticide use patterns in double-crop soybean. SRIEG-36. Atlanta, GA, Apr. 16-17.
- Lentz, G. L. 1985. Effects of insecticide classes on cotton yield and maturity. Tenn. Ent. Soc., Nashville, TN, Oct. 24-15.

- Lentz, G. L. 1985. Aldicarb effects on soybean pest and beneficial arthropod populations in West Tennessee. Ent. Soc. Amer., Hollywood, FL, Dec. 10.
- 1984 - Lentz, G. L. 1984. Cotton and soybean insect research report. Tenn. Agr. Chem. Assn., Nashville, TN, Feb. 14.
- Lentz, G. L. 1984. Effects of the plant growth regulator, PIX, on bollworm damage in cotton. Tenn. Ent. Soc., Chapel Hill, TN, Oct. 25-26.
- 1983 - Lentz, G. L. 1983. Bollworm control in cotton. Tenn. Agr. Chem. Assn., Nashville, TN, Feb. 15.
- Lentz, G. L. 1983. The green cloverworm: biology, control, and damage in 1983. Tenn. Ent. Soc., Chapel Hill, TN, Oct. 27-28.
- 1982 - Lentz, G. L. 1982. Effects of systemic insecticide-nematicides on insects in small plots. SEB-Ent. Soc. Amer., Mobile, AL, Jan. 25-29.
- 1981 - Lentz, G. L. 1981. Economic thresholds of bean leaf beetle on seedling soybean. Tenn. Ent. Soc., Nashville, TN, Oct. 22-23.
- 1980 - Lentz, G. L. 1980. Occurrence of Heliothis virescens, the tobacco budworm, on Hyacinth bean (Dolichos lablab). Tenn. Ent. Soc., Nashville, TN, Oct. 31.
- 1979 - Lentz, G. L. 1979. Control of early-season cotton insects. Tenn. Pest. Conf., Nashville, TN, Mar. 1.
- Lentz, G. L., and J. E. Pendergrass. 1979. Control of bollworms in cotton. Tenn. Pest. Conf., Nashville, TN, Mar. 1.
- Lentz, G. L. 1979. Soybean insects and their control. Tobacco Exp. Stn. Field Day, Greeneville, TN, Aug. 1.
- Lentz, G. L. 1979. New insecticides for control of Heliothis spp. on cotton. Tenn. Ent. Soc., Nashville, TN, Oct. 26.

## Grants and Contracts

- 2002 - Canaday, C., B. Ownley, G. Lentz, K. Gwinn. 2002. Stacking Biological Seed Treatments in an IPM Program for Control of Soilborne Pathogens and Insect pests of Tomato and Bedding Plants. CSREES Regional IPM Competitive Grants Program. Mar. 2003-Feb 2005. \$102,705. Funded. Jan. 2003.
- Lentz, G.L. 2002. Validation of Cotman Rules in High-Yielding Systems: Tennessee. Cotton Incorporated. Jan.-Dec., 2002. \$5400. Funded. June. 2002.
- Lentz, G.L. 2002. Cotton Insect Control in Transgenic Cotton Varieties. Tennessee State Support Committee and Cotton Incorporated. Jan.-Dec., 2002. \$8580. Funded. Feb. 2001.
- Lentz, G.L. 2002. Bollworm/Budworm/Armyworm Monitoring Network. Tennessee State Support Committee and Cotton Incorporated. Jan.-Dec., 2002. \$13000. Funded. Feb. 2001.
- Lentz, G.L. 2002. Cotton insecticide evaluations. Industry support. \$33,000.
- 2001 - Lentz, G.L. 2001. Ecology, Population Dynamics and Control of Grasshoppers in No-Till Soybeans in Tennessee. Tennessee Soybean Promotion Board (TSPB). Jan.-Dec., 2001. \$4500. Funded. Dec. 2000.
- Lentz, G.L. 2001. Economic Thresholds and Management of Stink Bugs in Post-Eradication Cotton. Tennessee State Support Committee and Cotton Incorporated. Jan.-Dec., 2001. \$6700. Funded. Feb. 2001.
- Lentz, G.L. 2001. Bollworm/Budworm/Armyworm Monitoring Network. Tennessee State Support Committee and Cotton Incorporated. Jan.-Dec., 2001. \$13000. Funded. Feb. 2001.
- Lentz, G.L. 2001. Evaluation of Plant Physiology Based (NAWF) Rules for Terminating Insect Management Strategies in High Yielding Systems (Post BWEF, Transgenic Cottons). Cotton Incorporated. Jan.-Dec., 2001. \$5400. Funded. Feb. 2001.
- Lentz, G.L. 2001. Cotton Insect Control in Transgenic Cotton. Tennessee State Support Committee and Cotton Incorporated. Jan.-Dec., 2002. \$8580. Funded. Feb. 2001.

- Lentz, G.L. 2001. Cotton insecticide evaluations. Industry support. \$30,750.
- 2000 - Lentz, G. L. Establishment and economic thresholds of corn earworm on soybeans in Tennessee . Tennessee Soybean Promotion Board. Not funded \$4,500.
- Lentz, G. L. Ecology, population dynamics and control of grasshoppers in no-till soybeans in Tennessee . Tennessee Soybean Promotion Board. Funded \$4,500.
  - Lentz, G. L. Distribution, abundance and assessment of soybean aphid in Tennessee . Tennessee Soybean Promotion Board. Not funded \$4,500.
  - Lentz, G. L. Evaluation of plant physiology based (NAWF) rules for terminating insect management strategies in high yielding systems (Post BWEP, Transgenic Cottons). Cotton Incorporated. Funded \$5,400.
  - Lentz, G. L. Cotton insect control in transgenic cotton. Cotton Incorporated. Not funded \$8,580.
  - Lentz, G. L. Bollworm/Budworm/Amyworm Monitoring Network. Cotton Incorporated. Funded \$13,000.
  - Lentz, G. L. Economic thresholds and management of stink bugs in post-eradication cotton. Cotton Incorporated. Funded \$6,700.
  - Roberts, R. L., B. C. English, and G. L. Lentz. An economic evaluation of Temik and Gaucho seed treatment for cotton. Not funded \$16,946.
- 1999 - Lentz, G.L. "Early-season cotton insect management on Roundup Ready cotton". Cotton Incorporated. Funded \$12,000.
- Lentz, G.L. "Validation of NAWF=5 and heat unit accumulations for insecticide termination". Cotton Incorporated. Funded \$5,500.
  - Lentz, G.L. "A multi-state survey of thrips on seedling cotton: Tennessee". Cotton Incorporated. Funded \$3,000.
  - Lentz, G.L. Cotton insecticide evaluations. Industry Support \$48,000.

- Lentz, G.L. "Establishment and economic thresholds of corn earworm on soybeans in Tennessee". Tennessee Soybean Promotion Board. Funded \$6,000.
- 1998 - Lentz, G.L. "Utilization and management of Bt cotton in boll weevil eradication and pre-eradication zones". Cotton Incorporated.
- Lentz, G.L. "Early-season cotton insect management on Roundup Ready cotton". Cotton Incorporated.
- Lentz, G.L. "Validation of NAWF=5 and heat unit accumulations for insecticide termination". Cotton Incorporated.
- Lentz, G.L. "Evaluation of recommended economic thresholds of corn earworm, Helicoverpa zea, on soybeans in Tennessee." Tennessee Soybean Promotion Board. Funded \$5,000.
- Lentz, G.L. Cotton insecticide evaluations. Industry Support \$27,001.
- Gwathmey, C.O., R.M. Hayes, and G.L. Lentz. "Management of genetically engineered cotton in ultra-narrow rows". Cotton Incorporated.
- 1997 - Lentz, G. L. "Utilization of Bt cotton as a Heliiothis management tool in early and late boll weevil eradication zones". Cotton Incorporated. Funded \$10,000.
- Lentz, G. L. "Economic thresholds for major pest species of cotton in West Tennessee". Cotton Incorporated. Funded \$5,000.
- Lentz, G. L. "Impact of tillage systems on in-season and overwintering survival of tobacco budworm in West Tennessee". Cotton Incorporated. Funded \$10,340.
- Lentz, G. L. "Evaluation of recommended economic thresholds of Corn Earworm, Helicoverpa zea, on soybeans in Tennessee". Tennessee Soybean Promotion Board. Funded \$10,000.
- Lentz, G. L. Cotton insecticide Evaluations. Industry Support \$42,400.
- 1996 - Lentz, G. L. "Utilization of Bt cotton as a Heliiothis management tool in early and late boll weevil eradication zones". Cotton Incorporated. Funded \$10,000.
- Lentz, G. L. "Economic thresholds for major pest species of cotton in West Tennessee" Cotton Incorporated. Funded \$5,000.

- Lentz, G. L. "Impact of tillage systems on in-season and overwintering survival of tobacco budworm in West Tennessee". Cotton Incorporated. Funded \$10,340.
- Lentz, G. L. Cotton Insecticide Evaluations. Industry Support \$46,500.
- Lentz, G. L. "Impact of date of planting, cultivars, and tillage on Dectes stem borer populations in soybean". Funded \$5,416.
- 1995 - Lentz, G. L. "Utilization of Bt cotton as a Heliothis management tool in early and late boll weevil eradication zones". Cotton Incorporated. Funded \$10,000.
- Lentz, G. L. Insecticide evaluations for West Tennessee. Cotton Incorporated. Funded \$9,000.
- Lentz, G. L. "Impact of tillage and cultivars on the increase of Dectes stem borer populations". Tennessee Soybean Promotion Board. Funded \$5,075.
- Lentz, G. L. Cotton Insecticide Evaluations. Industry Support \$41,000.
- 1994 - Lentz, G. L. Economic thresholds for major pest species of cotton in West Tennessee. Cotton Incorporated. Funded \$10,325.
- Lentz, G. L. Insecticide evaluations for West Tennessee. Cotton Incorporated. Funded \$9,900.
- Lentz, G. L. Cotton insecticide evaluations. Industry Support \$32,000.
- 1993 - Lentz, G. L. Economic thresholds for major pest species of cotton in West Tennessee. Cotton Incorporated. Funded \$10,325.
- Lentz, G. L. Insecticide evaluations for West Tennessee. Cotton Incorporated. Funded \$9,900.
- Lentz, G. L. Impact of tillage and cultivars on Dectes stem borer. Tennessee Soybean Promotion Board. Funded \$6,500.
- Lentz, G. L. Cotton insecticide evaluations. Industry support \$28,700.
- 1992 - Lentz, G. L. Management of squash insects. Pictsweet. Funded \$2,500.
- Lentz, G. L. Cotton insecticide evaluations. Industry support \$30,550.

- 1991 - Lentz, G. L. Cotton insecticide evaluations. Industry support \$9,600.
- 1990 - Lentz, G. L. Overwintering and inoculative associations of soybean stem canker and the Dectes stem borer. Tennessee Soybean Promotion Board. Funded \$3,500.
- Lentz, G. L. Cotton insecticide evaluations. Industry support \$8,000.
- 1989 - Lentz, G. L. Cotton insecticide evaluations. Industry support \$13,500.
- 1988 - Lentz, G. L. Cotton and soybean insecticide evaluations. Industry support \$8,000.
- 1987 - Lentz, G. L. Cotton and soybean insecticide evaluations. Industry support \$2,500.
- 1986 - Lentz, G. L. Effects of conservation tillage systems on fate and persistence of fenvalerate and impact on soil and foliar arthropods. USDA-Southern Regional Pesticide Impact Assessment Program. Funded \$11,808.
- Lentz, G. L. Cotton and soybean insecticide evaluations. Industry support \$7,500.
- 1985 - Lentz, G. L. Effects of conservation tillage systems on fate and persistence of fenvalerate and impact on soil and foliar arthropods. USDA-Southern Regional Pesticide Impact Assessment Program. Funded \$13,000.
- Lentz, G. L. Cotton and soybean insecticide evaluations. Industry support \$8,500.
- 1984 - Lentz, G. L. Cotton and soybean insecticide evaluations. Industry support \$8,300.
- 1983 - Lentz, G. L. Cotton and soybean insecticide evaluations. Industry support \$10,650.
- 1982 - Lentz, G. L. Cotton and soybean insecticide evaluations. Industry support \$6,600.
- 1980 - Lentz, G. L. Cotton and soybean insecticide evaluations. Industry support \$3,500.

1979 - Lentz, G. L. Cotton and soybean insecticide evaluations. Industry support \$5,750.

## **PROFESSIONAL DEVELOPMENT ACTIVITIES**

- 1998-2002 - Participated in Cotton Incorporated Crop Management Seminar
- 1972-2003 - Attended and presented research results at the Beltwide Cotton Conferences. (see Publications - Published Abstracts).
- 1979-2002 - Attended and presented research results at annual Branch (North Central and Southeastern) and National Entomological Society of America meetings (see Presentations - Papers Presented Without Abstracts).
- 1976-2003 - Attended and presented research results at annual Tennessee Entomological Society and Tennessee Agricultural Production Association (formerly Tennessee Agricultural Chemical Association/Tennessee Pesticide Conference) meetings (see Presentations - Papers Presented With and Without Abstracts).
- 1982-2002 - Participated in National Cotton Pest Management Seminar.
- 1975-2002 - Participated in numerous industry sponsored cotton production seminars.
- 1984-1993 - Participated in Southern Regional Information Exchange Group meetings (SRIEG 1, 32, 36, 38).
- 1989            Attended Gossym-Comax Training Session at Mississippi State.
- 1975-1976 - Attended National Cotton Pest Management Workshop.

### **Professional Societies and Honoraries**

Entomological Society of America  
 Gamma Sigma Delta - Agricultural Sciences Honorary - 1966  
 Sigma Xi - Scientific Research Honorary - 1972  
 Tennessee Entomological Society  
 Mississippi Entomological Association  
 Georgia Entomological Society  
 Kansas (Central States) Entomological Society  
 South Carolina Entomological Society  
 Southwestern Entomological Society  
 Tennessee Agricultural Production Association

## Honors

Listed in "American Men and Women of Science" (Vol. 16, 1986 Cattell Press)  
 Listed in "Who's Who in Technology Today" (5th Edition August 1986)  
 Listed in "Who's Who in the South and Southwest". (21st Edition 1987)  
 Listed in "Dictionary of International Biography" (21st Edition)

## INSTITUTIONAL SERVICE

### Committees

- 1989-2003 - Boll Weevil Eradication Technical Advisory Committee
- 1990-2003 - Tennessee IPM State Committee
- 1989-1991 - WTES Safety Committee - Co-chair 1989
- 1990-1991 - WTES Chemical Hygiene Plant Committee - Chairman 1990
- 1988 - UT College of Agriculture Graduate Program Representative at UT Martin Career Day
- 1987 - UT Cotton Research Committee
- 1980 - Milan Field Day Steering Committee

## PROFESSIONAL SERVICE

### Entomological Society of America

#### Southeastern Branch

- 2002 - 2003 Past-President
- 2003 Auditing Committee Chair
- 2001 - 2002 President
- 2000 - 2001 President-Elect
- 1995 Constitution Committee
- 1993 - 1995 Nominations Committee, Chairman 1986, 1987, 1994
- 1986 - 1987
- 1980 - 1981
- 1985 Resolutions Committee, Chairman 1985
- 1992
- 1990 Section F Session Moderator
- 1985

1996  
 1984 - 1985 Agricultural Awards Committee  
 1978 - 1979

### **Tennessee Entomological Society**

1976 - 1977 President  
 1991 - 2003 Secretary  
 1978 - 1979 Awards Committee, Chairman 1988  
 1988 - 1990  
 1984 - 1985 Constitution Committee, Chairman 1985  
 1990 - 1991  
 1993 - 1995  
 1987 - 1988 Board of Directors Member-At-Large  
 1986 - 1987 Program Committee  
 1980 - 1981 Prediction and Evaluation Committee  
 1977 Special Project Committee

### **Tennessee Agricultural Production Association**

2003 - Secretary

### **Tennessee Agricultural Chemical Association**

1994 - 1996 Board of Directors Member-At-Large  
 1993 - 1994 Finance Committee  
 1990 - 1991 Constitution and Operations Committee, Chairman 1990-91  
 1988 - 1990 Resolutions, Recognition, Historical and Necrology Committee,  
 Chairman 1988-89  
 1989 - 1990 Program Committee  
 1984 - 1985 Legislative Committee  
 1984 - 1985 Expo Insect Committee, Chairman  
 1980 - 1981 Planning Committee, Chairman

### **Beltwide Cotton Conference**

1998 - 2000 Program Committee  
 1988 - 1990 Program Committee  
 1985 Session Moderator  
 1996

### **Southern Regional Technical Committees**

2002 -	S-1010	Dynamic soybean pest management for evolving agricultural technologies and cropping systems.
1997 - 2002	S-281	Dynamic soybean insect management for emerging agricultural technologies and variable environments Secretary, 2001; Chair, 2002
1993 - 1997	S-255	Development of sustainable IPM strategies for soybean arthropod pests
1988 - 1993	S-219	Arthropod induced stress on soybean: evaluation and management
1982 - 1987	S-157	Tactics for management of soybean pest complexes Chairman, 1985, Secretary, 1983
1976 - 1981	S-105	Host plant resistance in cotton to insects, mites, nematodes and diseases
1976 - 1982	S-102	An integrated system for the suppression of the boll weevil Secretary 1979-1982.
1972 - 1981	S-74	Tactics for management of soybean pest complexes

### **Southern Regional Information Exchange Groups**

1983 - 1995	SRIEG-1	Boll Weevil
1988 - 1993	SRIEG-32	Host plant resistance to soybean pests
1984 - 1988	SRIEG-36	Integrated management of soybean pests in the southern region. Chairman 1985-86, Secretary 1987-88
1987 - 1988	SRIEG-38	Heliiothis
1988 - 1989	Azodrin Assessment Review Team	
1987 - 1988	Southern Regional Pesticide Impact Assessment Peer Review Panel Member	

### **Manuscript Reviewer**

Journal of Economic Entomology  
 Environmental Entomology  
 Journal of Agricultural Entomology  
 Journal of Entomological Science  
 Journal of Southwestern Entomological Society

## **COMMUNITY SERVICE**

- 1986 - 2003 Elder, Bible Teacher, Campbell Street Church of Christ
- 1978 - 1986 Deacon, Central and Campbell Street Church of Christ
- 1988 - 1994 Board of Directors, Tennessee Children's Home, Spring Hill
- 1987 Board of Directors, West Tennessee Children's Home
- 1995 - 2003 Coins for Children Coordinator, West Tennessee Children's Home
- 1976 - 1979 Board of Directors, Jackson Christian School (V-Chm 1976-79)
- 1990 - 1999 Foster Parents - Emergency Shelter for 85+ children
- Lifeline Blood Services - 13 gallon donor
- 1995 Coach Jr. High Girls Pal Basketball Team

**Presentations****Invited presentations**

2002	-	11
2001	-	2
2000	-	1
1999	-	4
1998	-	6
1997	-	7
1996	-	3
1995	-	3
1994	-	2

**Papers Presented Without Abstracts**

2002	-	1
2001	-	1
2000	-	2
1999	-	2
1998	-	3
1997	-	3
1996	-	8
1995	-	7
1994	-	8

**Grants and Contracts**

2002	-	3	(\$26,980) Industry - \$33,000
2001	-	4	(\$29,600) Industry - \$30,750
2000	-	8	(\$29,600) Industry - \$38,000
1999	-	3	(\$20,500) Industry - \$42,400
1998	-	1	(\$6,000) Industry - \$27,001
1997	-	4	(\$35,340) Industry - \$42,400
1996	-	4	(\$30,756) Industry - \$46,500
1995	-	3	(\$24,075) Industry - \$41,000

1994 - 2 (\$20,225) Industry - \$32,000