

CURRICULUM VITA

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Chronology of Education

Ph.D., Entomology, Auburn University, Auburn, AL, 1992; Dissertation Title: Insecticide Resistance and Resurgence of *Aphis gossypii* Glover in Alabama Cotton; Dissertation Director, Michael J. Gaylor.

M.S., Entomology, Oklahoma State University, Stillwater, OK, 1987; Thesis Title: Greenbug Biotypes and Greenbug Resistant Grain Sorghum Frequencies in Oklahoma During 1986; Thesis Director, Don C. Peters.

B.S., Entomology, Texas A&M University, College Station, TX, 1985.

Chronology of Employment

1994 to present Associate IPM Specialist, Department of Entomology, Yuma Valley Agricultural Center, University of Arizona. 70% Extension, 30% Research.

1992 to 1993 Field Station Scientist, Sandoz Agro., Inc., Greenville Field Station, Greenville, MS.

1988 to 1992 Graduate Research Assistant, Department of Entomology, Auburn University.

1988 Private Crop Advisor, Coastal Bend Agricultural Consulting, East Bernard, TX.

1986-1987 Graduate Research Assistant, Department of Entomology, Oklahoma State University.

Honors and Awards

Student of the Year, Graduate School, Auburn University, 1992.

Selected Publication

- Kerns, D. L., D. C. Peters, and G. J. Puterka. 1987. Greenbug biotype and grain sorghum seed sales surveys in Oklahoma, 1986. *Southwest. Entomol.* 12: 237-243.
- Puterka, G. J., D. C. Peters, D. L. Kerns, J. E. Slosser, L. Bush, D. W. Worrall, and R. W. McNew. 1988. Designation of two new greenbug (Homoptera: Aphididae) biotypes G and H. *J. Econ. Entomol.* 81: 1754-1759.
- Peters, D. C., D. L. Kerns, and G. J. Puterka. 1988. Feeding behavior, development, and damage by biotypes B, C, and E of *Schizaphis graminum* (Homoptera: Aphididae) on 'wintermalt' and 'post' barley. *Environ. Entomol.* 17: 503-507.
- Kerns, D. L., G. J. Puterka, and D. C. Peters. 1989. Intrinsic rate of increase and fitness of greenbug (Homoptera: Aphididae) biotypes E, F, G, and H on selected small grains and sorghum varieties. *J. Econ. Entomol.* 82: 1074-1078.
- Kerns, D. L. and M. J. Gaylor. 1991. Insecticide resistance in field populations of cotton aphids and relative susceptibility of its parasitoid *Lysiphlebus testaceipes*. pp. 682-685. *In Proc. Belt. Cotton Prod. Res. Conf., San Antonio. Nat. Cotton Council of Amer., Memphis, TN.*
- Kerns, D. L. and M. J. Gaylor. 1991. Induction of cotton aphid outbreaks by the insecticide sulprofos. pp. 699-701. *In Proc. Belt. Cotton Prod. Res. Conf., San Antonio. Nat. Cotton Council of Amer., Memphis, TN.*
- Kerns, D. L. and M. J. Gaylor. 1992. Insecticide resistance in field populations of the cotton aphid (Homoptera: Aphididae). *J. Econ. Entomol.* 85: 1-8.
- Kerns, D. L. and M. J. Gaylor. 1992. Behavior of cotton aphid exposed to sublethal doses of three insecticides. *Southwest. Entomol.* 17: 23-27.
- Kerns, D. L. and M. J. Gaylor. 1992. Sublethal effects of insecticides on cotton aphid reproduction and color morph development. *Southwest. Entomol.* 17: 245-250.
- Kerns, D. L. and M. J. Gaylor. 1993. Induction of cotton aphid (Homoptera: Aphididae) outbreaks in cotton by insecticides. *Crop. Prot.* 12: 387-393.
- Kerns, D. L. and M. J. Gaylor. 1993. Biotic control of cotton aphid (Homoptera: Aphididae) in cotton influenced by insecticides. *J. Econ. Entomol.* 86: 1824-1834.
- Palumbo, J. C. and D. L. Kerns. 1994. Effects of imidacloprid as a soil treatment on colonization of green peach aphid and marketability of lettuce. *Southwest. Entomol.* 19:

339-346.

- Kerns, D. L., J. C. Palumbo and D. N. Byrne. 1995. 1995 Insect pest management guidelines for cole crops, cucurbits, lettuce, and leafy green vegetables. University of Arizona, Cooperative Extension Publication 195007, pp. 34.
- Palumbo, J. C., D. L. Kerns, C. E. Engle, C. A. Sanchez and M. Wilcox. 1996. Imidacloprid formulation and soil placement effects on colonization by sweetpotato whitefly (Homoptera: Aleyrodidae) populations: Head size and incidence of chlorosis in lettuce. *J. Econ. Entomol.* 89: 735-742.
- Kerns, D. L. and J. C. Palumbo. 1996. Using Admire on desert vegetable crops. p. 75. *In* Silverleaf Whitefly: 1996 Supplement to the Five-Year National Research and Action Plan. USDA-ARS 1996-01.
- Kerns, D. L. and J. C. Palumbo. 1996. Using Admire on desert vegetable crops, University of Arizona, Cooperative Extension. IPM Series No. 5, pp. 4.
- Tickes, B. R. and D. L. Kerns. 1996. Lettuce injury from preplant and preemergence herbicides, University of Arizona, Cooperative Extension. IPM Series No. 9, pp. 4.
- Kerns, D. L. and J. C. Palumbo. 1996. Lettuce IPM: Southwestern USA. 8 pp. <http://www.ent.agri.umn.edu/academics/classes/ipm/impchap.htm>.
- Palumbo, J. C. and D. L. Kerns. 1996. Melon IPM: Southwestern USA. 8 pp. <http://www.ent.agri.umn.edu/academics/classes/ipm/impchap.htm>.
- Kerns, D. L. and J. C. Palumbo. 1996. Using Admire on desert vegetable crops, University of Arizona, Cooperative Extension. IPM Series No. 5, pp. 4.
- Kerns, D. L., J. C. Palumbo and T. Tellez. 1998. Resistance of field strains of beet armyworm (Lepidoptera: Noctuidae) from Arizona and California to carbamate insecticides. *J. Econ. Entomol.* 91: 1038-1043.
- Kerns, D. L., J. C. Palumbo and D. N. Byrne. 1998. Relative susceptibility of red and green color forms of green peach aphid to insecticides. *Southwest. Entomol.* 23: 17-24.
- Kerns, D. L., S. D. Stewart and C. L. McKenzie. 1998. Sublethal effects of insecticides on cotton aphid reproduction. pp. 1067-1073. *In* Proc. Belt. Cotton Prod. Res. Conf., San Diego. Nat. Cotton Counc. of Amer., Memphis, TN.
- Richardson, J. M., J. C. Palumbo, D. L. Kerns, K. Umeda and E. T. Natwick. 1998. Control of desert vegetable pests with Success naturalyte insect control. *Down to Earth.* 53: 6-12.

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- Kerns, D. L. 1999. Mating disruption of beet armyworm (Lepidoptera: Noctuidae) in vegetables by a synthetic pheromone. *Crop Proc.* (19: 327-334).
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- Haile, F. J., D. L. Kerns, J. M. Richardson and L. G. Higley. 1999. Impact of insecticides and surfactants on lettuce physiology and yield. *J. Econ. Entomol.* (93: 788-794).
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- Sisterson, M. S., Y. B. Liu, D. L. Kerns, & B. E. Tabashnik. 2003. Effects of Kaolin Particle Film on Oviposition, Larval Mining, and Infestation of Cotton by Pink Bollworm (Lepidoptera: Gelechiidae). *Econ. Entomol.* (96: 805-810).
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- Kerns, D. L., G. Wright and J. Loghry. 2004. Arthropod Management Guidelines for Arizona Citrus.
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- Kerns, D. L. 2006. Efficacy of Envidor on mites of citrus, 2005. *Arthro. Man. Tests* 31: In press.
- Kerns, D. L. 2006. Efficacy of experimental insecticides for control of citrus thrips on lemons, 2005. *Arthro. Man. Tests* 31: In press.
- Kerns, D. L. 2006. Efficacy of Success, Carzol, and Carzol tank mixed with Coax for control of citrus thrips on lemon, 2005. *Arthro. Man. Tests* 31: In press.