

Curriculum Vitae – Michels

NAME: Gerald J. Michels, Jr., Professor of Entomology

ADDRESS: Texas AgriLife Research, 2301 Experiment Station Road, Bushland, Texas 79012.

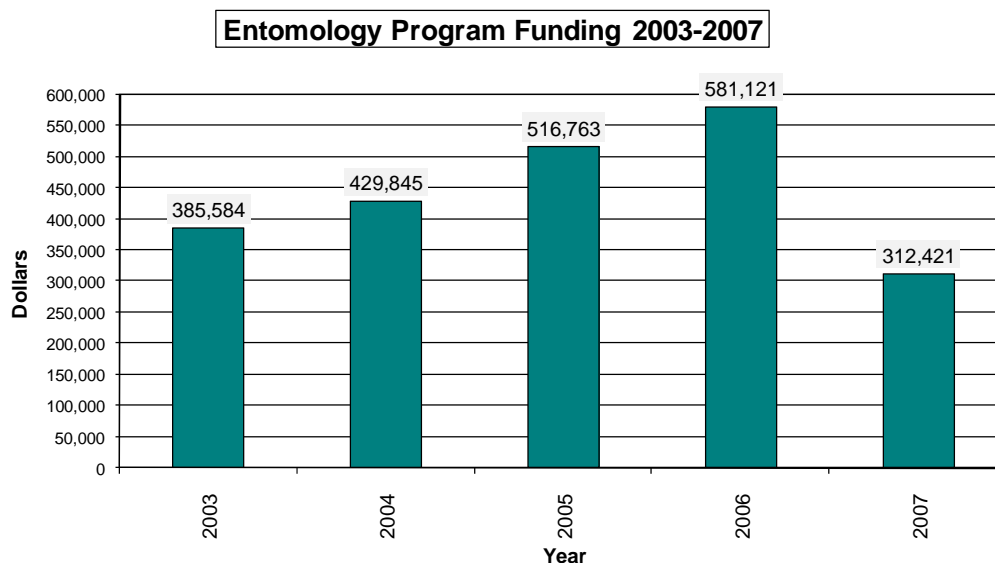
PHONE and ELECTRONIC COMMUNICATIONS: (806) 354-5806, g-michels@tamu.edu

EDUCATION: B.S. 1975 Wildlife and Conservation Mgt., M.S. 1977 Entomology, Ph.D.1980 Entomology, all Univ. of Wyoming

EXPERIENCE: Professor of Entomology, 1991-present; Associate Professor, 1986-1991; Assistant Professor, 1981-1986; all Texas AgriLife Research: Supply Instructor, 1979-1980; Research Assistant, 1976-1978, all University of Wyoming

TEACHING: Member, graduate faculty, Texas A&M University, Adjunct professor and graduate faculty, West Texas A&M University, Current graduate students: 6 M.S. candidates

PROGRAM FUNDING (Five-Year Totals):



PROFESSIONAL MEMBERSHIPS ACTIVITIES AND AWARDS (2000-2005):

Entomological Society of America (ESA), Southwestern Entomological Society, Greenbug Research Consortium, Hard Red Winter Wheat Improvement Committee, SR-238 Southern Regional Committee on Biological Control, SR-279 Southwestern Wheat Research and Education Consortium, WRCC-66 Russian Wheat Aphid Coordinating Committee

Awards

2002 Epsilon Sigma Phi Outstanding Extension Team Award for AgriPartners Program

2004 Texas A&M Vice Chancellor's Award in Excellence – Off Campus Research

Society Committees

2002-2005 ESA (Southwestern Branch) Linnean Games Committee

2002-2007 ESA (Southwestern Branch) Student Competition Committee

2006 ESA Local Arrangements Chairman, National Meetings, Indianapolis, IN.

2008-2011 Soc. Of Southwestern Entomologists Editorial Board (Southwestern Entomologist)

- Pollock, D. A. and G. J. Michels, Jr.** 2003 First records of *Stethorus histrio* Chazeau (Coleoptera: Coccinellidae) from the United States. Southwest. Entomol. 28: 221-222..
- Britten, D. C., G. L. Schuster, G. J. Michels, Jr., and D. A. Owings.** 2003. Using cold storage or overwintering *Aceria malherbae* Nuzzaci (Acarina: Eriophyiidae), a gall-forming eriophyid mite, for infestation of field bindweed. Southwest. Entomol.
- Skare, J. M., I. Wijkamp, J. Rezende, G. Michels, C. Rush, K-B.Scholthof, and H.B.Scholthof.** 2003. Colony establishment and maintenance of the eriophyid wheat curl mite *Aceria tosichella* for controlled transmission studies on a new virus-like pathogen. J. Virological Methods. 108: 133-137.
- Weng, Y., M. D. Lazar, G. J. Michels Jr., J. C. Rudd.** 2004. Phenotypic mechanisms of host resistance against greenbug (Homoptera: Aphididae) revealed by near isogenic lines of wheat. J. Econ. Entomol. 97: 654-660.
- Weng Y., G.J. Michels Jr., M.D. Lazar, and J.C. Rudd.** 2005. Spatial and temporal distribution of induced resistance to greenbug herbivory in resistant and susceptible near isogenic lines of wheat. J. Econ. Entomol. 98: 1024-1031.
- Mustafa Mirik, Karl Steddom, and Gerald J. Michels, Jr.** 2006. Estimating biophysical characteristics of musk thistle (*Carduus nutans*) with three remote sensing instruments. Rangeland Ecology and Management. 59:44-54.
- M. Mirik, G.J. Michels, Jr., S. Kassymzhanova-Mirik, N.C. Elliott, V. Catana, D.B. Jones, and R. Bowling.** 2006. Using digital image analysis and spectral reflectance data to quantify greenbug (Hemiptera: Aphididae) damage in winter wheat. Computers and Electronics in Agriculture. 51: 86-98.
- Skare, J. M., I. Wijkamp, I. Denham, J. A. M. Rezende, W. E. Kitajima, J. W. Park, B. Desvoyes, C. M. Rush, G. J. Michels, Jr., K-B Scholthof, H. B. Scholthof.** 2006. A new eriophyid mote-borne membrane-enveloped virus-like complex isolated from plants. Virology 347: 343-353.
- Mirik, M., G. J. Michels Jr., S. Kassymzhanova-Mirik, and N. C. Elliott.** 2007. Reflectance characteristics of Russian wheat aphid (Hemiptera: Aphididae) stress and abundance in winter wheat. Computers and Electronics in Agriculture 57: 123–134.
- Mirik, M., J. E. Norland, M. E. Biondi, R. L. Crabtree, G. J. Michels, Jr.** 2007. Relationships between remotely sensed data and biomass components in a big sagebrush (*Artemisia tridentata*) dominated area in Yellowstone National Park. Turk. J. Agric. For. 31: 135-145.
- Pollock, D. A., and G. J. Michels, Jr.** 2007. Bionomics and distribution of *Stethorus caseyi* Gordon & Chapin (Coleoptera: Coccinellidae), with descriptions of the mature larvae. Southwest. Entomol. 32: 143-147.
- Weng, Y., A. Perumal, G. J. Michels, Jr., J. C. Rudd.** 2007. Cross- species transferability of microsatellite markers form six aphid (Hemiptera: Aphidinae) species and their use for evaluating biotypic diversity in two cereal aphids. Ins. Mol. Biol. Published article online: 22-Aug-2007 doi: 10.1111/j.1365-2583.2007.00757.x
- Elliott, N. C. M. Mirik, Z. Yang, T. Dvorak, M. Rao, J. Michels, C. Walker, V. Catana, M. Phoofolo, K. Giles, and T. Royer.** 2008. Airborne multi-spectral remote sensing of Russian wheat aphid injury to wheat. Southwest. Entomol. In press.
- Matis, T. I., J.H. Matis, G.J. Michels Jr., M.N. Parajulee.** 2008. Using the cumulative-size mechanistic model for analyzing insect data. Proc. Appl. Stat. Agric. Conf. Accepted for publication.

Mustafa Mirik, Gerald J. Michels, Jr., Sabina Kassymzhanova-Mirik, Norman C. Elliott, and Roxanne Bowling. 2008. Hyperspectral Spectrometry as a means to differentiate uninfested and infested winter wheat by greenbug (Hemiptera: Aphididae). *J. Econ. Entomol.* 99: In Press.

Stevenson, D. E., G. J. Michels, J. B. Bible, J. A. Jackman and M. K. Harris. 2008. A physiological time model for predicting adult emergence of the Western corn rootworm, *Diabrotica virgifera* LeConte (Coleoptera: Chrysomelidae) and its synchronous development with the phenology of corn, *Zea mays* L., in the Texas High Plains Region of the Southern Great Plains. *J. Econ. Entomol.* In press.