

**College of Biology and Agriculture
Vita and Annual Report
for Gary M. Booth**

(Date updated: April 23, 2008)

1. Name: **Gary M. Booth** Academic Rank: **Professor of Plant and Animal Sciences**
Department: **Plant and Animal Sciences**

2. *Educational History: (most recent first)*

<u>Name of Institution</u>	<u>Years</u>	<u>Major</u>	<u>Degree</u>
University of California, Riverside	1966-69	Entomology	Ph.D.
Utah State University	1963-66	Entomology	M.S.
Utah State University	1961-63	Entomology	B.S.
College of Eastern Utah	1959-61	Zoology	A.S.

3. *Professional Positions: (most recent first)*

<u>Employer</u>	<u>Dates</u>	<u>Position</u>
Brigham Young University	1978-present	Professor
Brigham Young University	1973-78	Associate Professor
Brigham Young University	1972-73	Assistant Professor
Illinois Natural History Survey	1971-72	Assistant Entomologist
University of Illinois	1970-71	Assistant Professor
University of Illinois	1969-70	Research Associate

4. *Professional Organizations and Honor Societies:*

Society of Sigma Xi	1972-present (Life-time member)
Entomological Society of America	1971-present (Reviewer for Environmental Entomology)
Phi Kappa Phi	1966-present (Life-time member)

5. *Honors and Awards Received in the Last 5 Years:*

Outstanding Teacher and Exemplar Award, The Student Honor Association, 2001
 Faculty of Excellence Award, Phi Eta Sigma, November 2001
 David O. McKay Fellowship in Teaching and Education (two-year fellowship 2002-2004; \$26,000)
 Spencer Mortensen (Former Student) selected as the Outstanding Alumnus for the College of Biology and Agriculture. 2003
 Outstanding Faculty Award for Inspiring and Encouraging Students to Live the Principles Embodied in the Honor Code: Presented by the Student Honor Association BYU. Feb 2004.
 Brigham Award for outstanding service, from the Brigham Young University Community, Feb. 2006
 Utah Campus Compact Engaged Scholar Award, from Brigham Young University, for Service-Learning Efforts, April 2006

6. *Publications in the Last 5 Years:*

Acar, E. B., B. N. Smith, L. D. Hansen, G. M. Booth. 2001. Use of calorespirometry to determine effects of temperature on metabolic efficiency of an insect. *Entom. Soc. Amer.* 30(5): 811-816.

Booth, Gary M., Spencer R. Mortensen, Melvin W. Carter, Bruce G. Schaalje. 2004. Hazard Evaluation for Northern Bobwhite Quail (*Colinus virginianus*) Exposed to Chlorpyrifos-treated Turf and seed. *Environmental Toxicology and safety Ecotoxicology and Environmental Safety* 60(2): 176-187.

Acar, E.B., D.D. Mill, B.N. Smith, L. D. Hansen, Gary M. Booth. 2005. Comparison of Respiration in Adult *Harmonia axyridis* Pallas and *Hippodamia convergens* Guerin-Manville (Coleoptera: Coccinellidae). *Environmental Entomology* 34(2): 241-245.

- J. J. Loyal, L. D. Hansen, D. R. Coons, G. M. Booth, B. N. Smith, and D. D. Mill. 2005. Calorespirometric determination of the effects of temperature, humidity, low O₂, and high O₂ on the development of *Musca domestica* pupae. *Journal of Thermal Analysis and Calorimetry* 82(3): 703-709.
- E. B. Acar, D. D. Mill, B. N. Smith, L. D. Hansen and G. M. Booth. 2005. Comparison of respiration in adult *Harmonia axyridis* Pallas and *Hippodamia convergens* Guerin-Manville (Coleoptera: Coccinellidae). *Environmental Entomology* 34 (2): 241-245.
- Booth, Gary M., Spencer R. Mortensen, Melvin W. Carter, Bruce G. Schaalje. 2005. Hazard evaluation for northern bobwhite quail (*Colinus virginianus*) exposed to chlorpyrifos-treated turf and seed. *Ecotoxicology and Environmental Safety* 60 (2): 176-187.
- Burraston, K., John Gardner, and Gary M. Booth. 2005. Scanning electron microscopy evaluation of the plant pollination interactions between nitidulid beetles and a native tropical Malvaceae species *Gossypium tomentosum* on Kauai. *Proceedings of Microscopy and Microanalysis Vol. II (suppl. 2)*: 1-3.
- Nectar for Plant Defense: the feeding of the coccinellid beetle, *Curinus coeruleus*, on extra-floral nectaries of *Hibiscus brackenridgei*. (In submission to the *Journal of Entomology*)
- Floral Biology and a Delayed Self-Pollination Mechanism for *Gossypium tomentosum* (Malvaceae). (In submission to *Biotropica*)
- Pollination Biology of the rare, endemic species *Gossypium tomentosum* (Malvaceae) by an exotic nitidulid beetle, *Aethina concolor* on Kauai, HI. (In submission to *American Journal of Botany*)
- The consequences of cascading extinction: Nectar robbing of the rare and endangered plant *Hibiscus clayii*. (In submission to *Journal of Tropical Biology*)
- Field Study Using Fluorescent Blank Furadan® 15G Granules and a John Deere 7000 MaxEmerge Planter for the Reduction of Granule Exposure. *Journal of Agricultural Systems, Technology, and Management*, June 2007.