

TEACHING EXPERIENCE

Position pertinent

Texas A&M University – Kingsville Courses Taught

General Plant Science (Fall 13, 12, 11, 10, 09); Field and Forage Crop Production (Sp 13, Sp 12, Sp10, Fall 08); Weed Control (Sp 12, Fall 09, Sp 08); Introduction to Plant Pathology (Fall 12, Fall 10); Fruit and Vegetable Production (Sp 13, Sp 11, Sp 09); Introduction to Entomology (Fall 11); Integrated Pest Management (Sp 13, Sp 11, Fall 08); Agriculture and Human Sciences as Professions (Sp 09, Fall 09, Sp 10); Crop Physiology (Sp 09)

West Texas A&M University Courses Taught (1998-2008)

Plant Pathology, Biotechnology in Agriculture, Economic Entomology, Agriculture Chemicals, Advanced Agronomy, Field Crop Entomology, Integrated Pest Management, Pest Management.

GRANTS SUMMARY – TAMU-Kingsville Funded Grants

\$127,313	Meeting Quail Manager Needs: Development of an Easy-to-Use Qualitative Method for the Detection of Aflatoxin and Methods to Control the Fungus <i>Aspergillus flavus</i> . 2013-2014. PI's Henke, Fedyich, Schuster
\$50,000	TAMUK, Title V/PPOHA Program. 2014. Mini-Grant Equipment. High Performance Liquid Chromatography in Graduate Student Research Experiments. PI: S. Nelson, Co PI's - J.C. Melgar, E. Louzada, M. Setamou, D. Ruppert, G. Schuster , and J. da Graca.
\$15,000	TAMUK, Title V/PPOHA Program. 2013. Mini Mini-Grant Equipment. John Deere Tractore P.I.: Schuster, G. , Co PI's: S. Nelson, D. Rupert, K. McCuistion, and S. Lukefahr. 2013. P.I.
\$15,000	TAMUK, Title V/PPOHA Program. 2013. Mini Mini-Grant Equipment . Wiley Mill grinder. PI –McCuistion; Schuster -Co P.I.
\$362, 706	USDA-AFRI Minimizing Diseases due to Fungal Pathosystems Program (Program Area Code A5122), 2012-2017, Co P.I.
\$49,650	USDA-VS, 4/15/13-4/14/14, Co P.I.
\$10,000	Cotton Inc., 2013, P.I.
\$ 7,983	Texas Sorghum Producers Board. Co PI FY 13
\$800,000	\$3,200,000 Total Award . USDA-NIFA HSI Collaborative Grants 2011-2013, Collaborator
\$150,000	\$600,000 Total Award . USDA-NIFA HSI Collaborative Grants 2011-2013, Co P.I.
\$50,367	USDA-VS, 12/15/11 – 12/14/12, Co P.I.
\$7,728	Texas Sorghum Producers Board, 2011-2012, Co P.I.
\$250,000	USDA-CSREES Agriculture and Food Research Initiative (AFRI) 9/09-08/12. P.I.
\$9,950	TAMUK University Research, 2010-11, P.I
\$5,000	Texas Sorghum Producers Board, 2010-11, Co P.I.
\$5,000	Texas Sorghum Producers Board, 2009-10, Co P.I.
\$63,264	Texas Dept. of Agriculture, 2008-09, P.I.
\$5,485	PBI Gordon Corporation, 2008, P.I.

GRANTS – AgriLife Extension Funded Grants

\$63,800	2013 Farm Bill – Texas Palm Phytoplasma Survey, 2013-2014 P.I.'s Ong, Schuster
\$60,000	\$2,822,422 Total Award , USDA-SCRI #2009-51181-20178. Development of an Integrated Research and Management Program for Zebra Chip of Potato. FY 2012-2014PI's Charlie Rush, Co-PI's Henne, Schuster , French, et. al.,.
\$80,000	\$6.9 Total Award . USDA National Institute of Food and Agriculture (NIFA) Specialty Crops Research Initiative Development of an Integrated Research and Management Program for Zebra Chip of Potato, Project 2008-04840 – (SCRI), 2009-2012 PI -Charlie Rush, Collaborator – Schuster ,
\$80,000	Texas AgriLife Research Zebra Chip Disease Program, 10-11, Co P.I.
\$9,900	Texas Citrus Producers Board, 09-10, P.I
\$29,000	Texas Dept of Agriculture, 09-10, P.I.
\$7,000	Texas Dept of Agriculture, 09, Co P.I.
\$9,080	Frrio Lay, 08, Co P.I.

PUBLICATIONS (Chronological Order)

Simpson, C.R., Volder, A., Nelson, S.D., Melgar, J.C., King, S., Jifon, J., and **Schuster**, G. 2013. Growth response of grafted and non-grafted citrus trees to saline irrigation. *Scientia Horticulturae* (**Accepted, In Revision**)

Cord, E., A. Litt, T. Fulbright, and G. **Schuster**. 2013. Effects of Invasive Plants on Arthropod Communities and Functional Groups: A Review". *Conservation Biology* (**submitted, under consideration**)

Schuster, G. L., K. E. Moulton, J. Donaldson, M. Castelaw, J. O. Buntyn, S. M. Falkenberg, S. Willard, P. Ryan, H. A. Duoss, D. T. Dawson, T. Callaway, J. Carroll, and T. B. Schmidt. 2013. Use of biophotonic E. coli-Xen14 to determine time of contamination in the life cycle of the house fly, *Musca domestica* (*Diptera: Muscidae*). *Foodborne Pathogens and Disease*, Vol. 10(5): 442-447.

Fisher, Amanda C., Greta **Schuster**, W. Jacob Cobb, Andrea J James, Susan Cooper, Aldaberto Pérez de León, and Patricia J. Holman. 2013. Molecular characterization of *Trypanosoma* spp. infecting cattle (*Bos taurus*), white-tailed deer (*Odocoileus virginianus*) and elk (*Cervus elaphus canadensis*) and in the United States. *Veterinary Parasitological*, 197: 9-42.

Satya Vemula, P. Porter, G. L. **Schuster**, and B. E. Lewis. 2012. Susceptibility of *Helicoverpa Zea* to commercial insecticides in green bean production on the Texas High Plains. *The Texas Journal of Agriculture and Natural Resources*, 25:1-12.

Munyaneza, Joseph E., Jeremy L. Buchman, Venkatesan G. Sengoda, John A. Goolsby, Adrianna P. Ochoa, Jennifer Trevino, and Greta **Schuster**. 2012. Impact of potato planting timing on potato zebra chip disease incidence in the Lower RioGrande Valley of Texas. *Southwestern Entomologist*, 37(3): 253-262.

Pérez de León, Adalberto A., Pete D.Teel, Allan N. Auclair, Matthew T. Messenger, Felix D. Guerrero, Greta **Schuster**, and Robert J. Miller. 2012. Integrated strategy for sustainable cattle fever tick eradication in USA is required to mitigate the impact of global change. *Frontiers in Physiology*, June, Vol. 3, Article 9, pg. 1-17, doi:10.3389/fphys.2012.00195.

Schuster, Greta, Lukefahr, Steven, Kim McCusition, and Roger Hanagriff. 2012. Measuring the Economic Potential of Utilizing Sweet Potato Production in Small Animal Forage and Crop Production System: A Systems Approach. *The Journal of American Academy of Business*, Cambridge, Vol. 17, No. 2, pg 58-63.

Flores, R., S.D. Lukefahr, G. **Schuster**, K.C. McCuistion, and T. Verma. 2011. Developing a low-cost, sustainable feeding system using sweet potato forage for growing rabbits. *J. Anim. Sci. J. Anim. Sci.* 89 (E-Suppl. 2):13.

Rhoades, M.B., D.B. Parker, N.A. Cole, R.W. Todd, B.W. Auvermann, E.A. Caraway, D. Topliff, G. L. **Schuster**. 2010. Continuous ammonia emission measurements from a commercial beef feedyard in Texas. *Transactions of the ASABE* 53(6):1823-1831.

French-Monar, R. R. D., A. F. Patton III, and J. M. Douglas, J. A. Abad, G. **Schuster**, R. W. Wallace, and T. A. Wheeler. 2010. First Report of "*Candidatus Liberibacter solanacearum*" on Field Tomatoes in the United States. *Plant Disease*, April, Vol. 94, Number 4, Pg. 451.

Choppakatla, V., T.A. Wheeler, G.L. **Schuster**, C. Robinson, and D.O. Porter. 2008. Relationship of Soil Moisture with the Incidence of Pod Rot in Peanut in West Texas *Peanut Science* (2008) 35:116-122.

Wheeler, T. A., U.S. Sagaram, G.L. **Schuster**, and J.R. Gannaway. 2007. Identification of factors that influence screening for bacterial blight resistance. *Journal of Cotton Science* 11:91-97.

Parker, D.B., M.B. Rhodes, G.L. **Schuster**, J.A. Koziel, and Z.L. Perchbacher-Buser. 2005. Odor characterization at open-lot beef cattle feedyards using triangular forced-choice olfactometry. Transactions of the ASAE, Vol. 48(4):1527-1535.

Parker, D.B., M.B. Rhodes, G.L. **Schuster**, J.A. Koziel, and Z.L. Perchbacher-Buser. 2005. Odor characterization at open-lot beef cattle feedyards using triangular forced-choice olfactometry. Transactions of the ASAE, Vol. 48(4):1527-1535.

Britten, D.C., G.L. **Schuster**, G.J. Michels, Jr., and D.A. Owings. 2003. Using cold-stored or overwintering *Aceria malherbae* Nuzzaci (Acarina:Eriophyiidae), a gall-forming Eriophyiid Mite, for infestation of field bindweed. Southwestern Entomologist 28(4):273-280.

REFEREED PROCEEDING

Schuster, G., A. Ortiz, A. Lopez, and B. Bextine. 2013. Central and western potato psyllid biotype variation: Field trials and genomic observations. Proceedings of the 13th Annual 2012 Zebra Chip Reporting Session, October 31 – November 2, 2013, San Antonio, Tx. *In press*.

Schuster, G., J. Trevino, A. Arp, and B. Bextine. 2012. Effects of Planting Dates on ZC Incidence on Four Varieties in Pearsall, TX. Proceedings of the 12th Annual 2011 Zebra Chip Reporting Session, October 31 – November 2, 2012, San Antonio, Tx. Pg. 145-147.

Garza, M.T., S.D. Lukefahr, G.L. **Schuster**, and K.C. McCuiston. 2012. Developing sustainable diets for rabbits: Effect of sweet potato forage on growth and feeding traits. Proc. 10th World Rabbit Congress, September 3-6, 2012. Sharm El-Sheikh, Egypt. Pg. 781-785.

Ochoa, A., G. **Schuster**, B. Bextine, S. Nelson, J. Munyaneza. 2011. Using Biotyping to Establish Temporal and Spatial Relationship between Potato Psyllid, *Bactericera cockerelli*, Populations Colonizing Potatoes in Texas. Proceedings of the 11th Annual SCRI Zebra Chip Reporting Session, November 6-9, San Antonio, TX Pg., 92-96.

Trevino, J., G. **Schuster**, B. Bextine, S. Nelson, A. Ochoa, and J. Munyaneza. 2011. Effects of Potato Planting Timing in Texas on Zebra Chip Incidence and Liberbacter Infection Rate in Potato Psyllids. Proceedings of the 11th Annual SCRI Zebra Chip Reporting Session, November 6-9, San Antonio, TX, Pg. 127-130.

Cord, Erin E., A. R. Litt, T. E. Fulbright, and G. L. **Schuster** 2011. Changes in abundance and diversity in an arthropod community with invasive grasses. 96th ESA Annual Meeting, August 7-12, Austin, TX.

Lukefahr, S.D., G. **Schuster**, K.C. McCuiston, T. Verma, and R. Flores. 2010. Self-sustaining rabbit projects: A pilot study involving feeding of sweet potato forage. Proc. 4th Rabbit Congress of the Americas, September 21-24, 2010. Cordoba, Argentina.

Munyaneza, J. E., J. L. Buchman, J. A. Goolsby, A. P. Ochoa, and G. **Schuster**. 2010. Impact of Potato Planting Timing on Zebra Chip Incidence in Texas. Proceedings of the 10th Annual 2010 Zebra Chip Reporting Session, November 7-10, Pg. 106-109.

Ochoa, A. P., J. Richmond- Trevino, J. Lozano, and G. **Schuster** 2010. Assessment of Active Psyllid Populations in Correlation with Zebra Chip Severity and Incidence. Proceedings of the 10th Annual 2010 Zebra Chip Reporting Session, November 7-10, Dallas, TX, Pg. 196-199.

Castellaw, M. W., G. **Schuster**, D. T. Dawson, K. E. Moulton, E. L. Schenck, P. Ryan, S. Willard and T. B. Schmidt. 2009. Use of Biophotonics as a Real Time Model to Determine the Role of Filth Flies in the cross contamination of cattle with E. coli O157:H7. Merck-Merial- NIH National Scholar Symposium, NCSU, North Carolina.

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Rothrock, C.S., J.D. Barham, A.B. Beach, M.B. Bayles, J. Caceres, P.D. Colyer, R.C. Kermerait, K.S. Lawrence, G.B. Padgett, P.M. Phipps, G.L. **Schuster**, G.L. Sciumbato, R. Thacker, L.M. Verhalen, J.E. Woodyard. 2008. Report of the cottonseed treatment committee for 2007. 2008 Beltwide Cotton Conference, Nashville, TN, Jan. 8-11, Pg. 298- 305.

Rhoades, M.B., B.W. Auvermann, N.A. Cole, R.W. Todd, D.B. Parker, E.A. Caraway, G. **Schuster** and J. Spears. 2008. Ammonia concentration and modeled emission rates from a beef cattle feedyard ASABE Paper No.084445. In Proceedings 2008 American Society of Agricultural and Biological Engineers, Providence, Rhode Island.

Schuster, G. L., S. J. Loneragan, L. M. Chichester, D. J. Kunze, and G. H. Loneragan. 2006. Flies as potential vectors of resistance determinants in feedlots. International Symposium on Veterinary Epidemiology and Economics (ISVEE) Conference, Cairns, Australia, August 6-11, 2006, Pg. 453.

Schuster, G., K. McDonald, and S. Presley. 2006. Impact of coat color, gender, and weather on the attack rate of mosquito populations on horses in the Texas Panhandle. International Symposium on Veterinary Epidemiology and Economics (ISVEE) Conference, Cairns, Australia, August 6-11, 2006, Pg. 439.

Wheeler, T. A. and G.L. **Schuster**. 2006. Cultivar susceptibility to Verticillium wilt on the High Plains of Texas. NCC Paper #3887, 2006 Beltwide Cotton Conference, Jan. 3-6, 2006, San Antonio, TX, Pg 85 – 92.

Wheeler, T.A. and G.L. **Schuster**. 2005. New fungicides for use as seed treatments on cotton. 2005 Beltwide Cotton Conference, New Orleans, LA, Jan. 4-7, Pg 240-244.

K.S. McDonald, G.L. **Schuster**, S. M. Presley, L.A. Baker and J.L. Pipkin 2005. Inter Host Preference of Mosquitoes Attacking Horses in the Panhandle of Texas. Nineteenth Symposium Proceedings, Equine Science Society. May, Tucson, AZ, Pg. 51-56.

Parker, D.B., M.B. Rhodes, G.L. **Schuster**, J.A. Koziel, and Z.L. Perchbacher-Buser. 2005. Odor characterization at open-lot beef cattle feedyards using triangular forced-choice olfactometry. Transactions of the ASAE, Vol. 48(4):1527-1535.

Fuchs, T., G. **Schuster**, and S. Armstrong. 2003. Texas IPM Internship Program. Fourth National Integrated Pest Management Symposium/ Workshop, April 8-10, Indianapolis, Indiana.

Sagram, Uma, T. Wheeler, G. **Schuster**, and R. A. Thomason. 2003. Performance of commercial cotton cultivars against bacterial blight pathogen in the Texas High Plains. 2003 Beltwide Cotton Conference, Nashville, TN, January 6-10, Pg. 257-260.

Bynum, J., G. **Schuster**, and T. Wheeler. 2003. Cotton Seedling Disease Survey for the Texas High Plains. 2003 Beltwide Cotton Conference, Nashville, TN, January 6-10, Pg. 226-229.

Talley, J.L., G.L. **Schuster**, D.B. Parker and B. Clymer. 2002. Monitoring Population Trends and House Flies and Stable Flies (Diptera:Muscidae) on Texas High Plains Feedlots. ASAE Paper No. 024249. Presented at the 2002 ASAE International Meeting, July 28 –31, Chicago, Illinois.

Jarrell, J., R. Bowman, J. Leser, M. Kelly, G. **Schuster**, and R. Thomason. 2002. Growth Comparison of Transgenic and Conventional Cotton Cultivars Using COTMAN. 2002 Beltwide Cotton Conference, Atlanta, GA – January 8-12.

PUBLISHED PAPERS/ARTICLES – NON-PEERED REVIEWED

Lukefahr, S.D., Garza, M.T., **Schuster**, G.L., and K.C. McCuiston. 2012. Meat rabbits finished on sweet potato forage looks good in Texas research. Stockman Grass Farmer, May 2012

PUBLISHED ABSTRACTS/PRESENTATIONS (Chronological Order)

1. Texas State Support Project Review, Dec. 4-5th, 2013, Lubbock, TX
 - a. Pekar, J., G. **Schuster**, J. Anciso, W. Wallace. Control of Volunteer Cotton using Post-emergent Herbicide Applications in the Lower Rio Grande Valley.
2. Entomological Society of America Annual Meeting, Nov. 10-13, 2013, Austin, TX
 - a. Potocnjak, J.H., B. Bextine, and G. **Schuster**. Detecting Phytoplasma strains of Lethal Yellowing (LY) and Texas Phoenix Palm Decline (TPPD) in South Texas.
3. ASA-CSSA-SSSA International Annual Meeting. Nov. 3-6, 2013, Tampa, FL.
 - a. Simpson, C.R., Volder, A., Nelson, S.D., **Schuster**, G., Melgar, J.C., Jifon, J., and King, S. Physiological Effects of Salinity Stress on Grafted and Non-Grafted Fruit Trees (poster).
4. North American Colleges and Teachers of Agriculture (NACTA), Blacksburg, VA, June 26-29, 2013
 - a. Nelson, S.D., R.L. Stanko, T. Machado, and G. **Schuster**. Providing Underrepresented Agriculture Students a STEP UP to USDA Career Success. (poster)
5. APS-MSA Joint 2013 Meeting, August 10-12, 2013, Austin, TX
 - a. Ong, K., G. **Schuster**. Perspective of palm phytoplasma detection from a NPDP member lab in Texas. 70-S
 - b. Bextine, B., S.E. Halbert, G. **Schuster**. Molecular characterization of lethal yellows and other phytoplasma. 67-S
6. CETARS Symposium, USDA/NIFA HSI Collaborative Grants Annual Meeting. Aug. 10-15, 2013. Mayaguez, Puerto Rico.
 - a. Nelson, S.D., R.L. Stanko, G. **Schuster**, and T. Machado. Step Up to USDA Career Success: A Bridge Model for 2-Yr and 4-Yr HSI Institutions. (oral)
 - b. **Schuster**, G., B. Bextine, J. Trevino, S.D. Nelson, A.P. Ochoa, and A. Arp. Effects of Potato Planting Timing in Texas on Zebra Chip Incidence and Candidatus Liberibacter Infection Rate In Potato Psyllids.
7. 67th Annual Meeting of the Subtropical Plant Science Society. Feb 15, 2013. Weslaco, TX. *Subtrop. Plant Sci.* Vol. 65 (posters)
 - a. Young, Blake, S. Biles, G. **Schuster** and S. Nelson. Economic Thresholds for Boll Feeding Bugs in Cotton.
 - b. Mays, Tyler, G. **Schuster** and S. Nelson. Evaluation of *Bacillus thuringiensis* against Helioverpa populations in cotton varieties grown in the upper coastal bend of Texas.
 - c. Dupnik, Megan, G. **Schuster**, S. Nelson and J. Halcomb. Incidence and prevalence of bacterial boll rot in Coastal Bend and Rio Grande Valley cotton production.
8. 2013 Beltwide Cotton Conference, San Antonio, TX. Jan. 7-10, 2012
 - a. K.N. Field, G.L. **Schuster**, S. Nelson, E.G. Medrano, J. Woodward, and K. Ong. Isolation of bacteria from cotton bolls in the Texas Coastal Bend and Rio Grande Valley. (poster)
 - b. T. Mays, C. Crumley, G. **Schuster**, and S. Nelson. Evaluation of *Bacillus thuringiensis* against Helioverpa populations in cotton varieties grown in the upper coastal bend of Texas. (poster)
 - c. B. Young, S.P. Biles, G. **Schuster**, and S. Nelson. Evaluation of economic thresholds for boll feeding bugs in cotton. (poster)
9. 2012 SCRI Zebra Chip Annual Reporting Session, San Antonio, TX. Oct. 30-Nov 2, 2012.
 - a. J. Trevino, G. **Schuster**, S. Nelson, and B. Bextine. Evaluating the impact of planting dates on psyllid populations and ZC disease incidence in Pearsall, TX.
10. 10th World Rabbit Congress, World Rabbit Science Association, September 3-6, 2012, Sharm ElSheikh, Egypt..
 - a. Garza, M.T., S.D. Lukefahr, G.L. **Schuster**, and K.C. McCuiston. Developing sustainable diets for rabbits: effects of sweet potato forage on growth and feeding traits.

11. XVII Congresso Brasileiro de Parasitologia Veterinaria, Sept. 3-6, 2012, Sao Luis, Brazil
 - a. Pérez de León, Adalberto A., Pete D.Teel, Allan N. Auclair, Matthew T. Messenger, Felix D. Guerrero, Greta **Schuster**, and Robert J. Miller. 2012. Global change and integrated approach for sustainable cattle fever tick eradication in the United States of America.
12. American Society for Horticultural Sciences Annual Meetings. July 30- August 4, 2012, Miami, Florida.
 - a. Simpson, C.R., Volder, A., Nelson, S.D., **Schuster**, G., Melgar, J.C., Jifon, J., and King, S. Water Quality Effects on Grafted and Non-Grafted Citrus.
13. Texas A&M University Student Research Week. March 20-23, 2012.
 - a. Simpson, C.R., Volder, A., Nelson, S.D., **Schuster**, G., Melgar, J.C., Jifon, J., and King, S. The Effects of Grafting on Citrus Salinity Tolerance. Oral Presentation
14. 66th Annual Meeting of the Subtropical Plant Science Society, Feb 29, 2012. Weslaco, TX. *Subtrop. Plant Sci.* Vol. 64 (posters abstracts)
 - a. Ochoa, A.P., **Schuster**, G.L., Bextine, B., Nelson, S., and Munyaneza, J. Using Biotyping to Establish Temporal and Spacial Relationship Between Potato Psyllid *Bactericera cockerii*, Populations Colonizing Potatoes in Texas.
 - b. Field, K., **Schuster**, G., Nelson, S., Medrano, E., Woodward J., and Ong, K. Isolation of Bacteria from Isolated Cotton Bolls of South Texas.
 - c. Umphres-Lopez , Alinna, G. **Schuster**, K.C. McCuistion, J. Foster, Z. Lopez and R. Rhoades Agronomic Factors of Forage Sorghum in South Texas.
 - d. Kaiser, T.N., **Schuster**, G.L., Hewitt, D.G., Ortega, J.A., Phillips, P.L., and Nelson, S.D. Effects of Microclimate Changes in Different Vegetation Types on Cattle Fever Tick Larval Survival.
 - e. Trevino, J., **Schuster**, G. Nelson, S. Bextine, B. and Munyaneza, J. Effects of Potato Planting Timing in Texas on Zebra Chip Incidence and *Liberibacter* Infection Rate in Potato Psyllids.
 - f. Lopez, Zak, K.C.McCuistion, G. **Schuster**, J. Foster, and A.M Umphres-Lopez Evaluation of Forage Sorghum, Sorghum x Sudangrass, and Grain Sorghum Varieties for Forage Yield and Nutritional Value
15. Beltwide Cotton Conference, January 2012, Orlando, Florida.
 - a. Field, Kendall, Greta **Schuster**, Shad Nelson, E.G. Medrano, Kevin Ong, and Jason Woodward. Isolation of bacteria isolated from diseased cotton bolls from south Texas.
16. Annual Texas Irrigation Expo, McAllen, TX. Dec 8-9, 2011
 - a. Gomez, M., Simpson, C., Nelson, S., Volder, A., King, S., Melgar, J., Jifon, J., and **Schuster**, G. Salinity Impacts on Growth and Physiology of Grafted and Non-Grafted Citrus Trees. (*2nd place graduate winner*)
17. Texas A&M University Horticulture Graduate Council Poster Competition. College Station, TX. November 30, 2011.
 - a. Simpson, C.R., Volder, A., Nelson, S.D., **Schuster**, G., Melgar, J.C., Jifon, J., and King, S. The Effects of Salinity on Citrus Rootstocks in South Texas
18. The Economic, Finance & International Business Research Conference. Orlando, FL December 2011.
 - a. **Schuster**, G., Lukefahr, S., McCuistion, K., and Hanagriff, R. 2011. Measuring the economic potential of utilizing sweet potato production in small animal forage and crop production system: A systems approach.
19. 59th Annual Meeting of the Entomological Society of America, November 13-16, 2011, Reno, Nevada
 - a. **Schuster**, G.L., D.G. Hewitt, T.A. Campbell, L. Soliz, J.A. Ortega, R. B. Davey, K. Loymeyer, A.P. de Leon, J.M. Pound, E.J. Bowers, J.M. Howell, and M. T. Messenger. Integration of ecologically-based approaches to re-eradicate cattle fever ticks from the U.S. *INVITED Speaker*
20. Annual Zebra Chip Conference, November 7-8, 2011, San Antonio, Tx.

- a. Ochoa, A., G. **Schuster**, B. Bextine, S. Nelson, J. Munyaneza. 2011. Using Biotyping to Establish Temporal and Spatial Relationship between Potato Psyllid, *Bactericera cockerelli*, Populations Colonizing Potatoes in Texas.
 - b. Trevino, J., G. **Schuster** B. Bextine, S. Nelson, A. Ochoa, and J. Munyaneza. 2011. Effects of Potato Planting Timing in Texas on Zebra Chip Incidence and Liberbacter Infection Rate in Potato Psyllids.
21. 18th Annual Meeting – Wildlife Society. November, 2011, Waikoloa, Hawaii.
- a. Currie, Chase, D.G. Hewitt, J.A. Ortega, G.L. **Schuster**, T. Perry, T.A. Campbell, and K. Lohmeyer. Proportion of White-tailed Deer Using Medicated Bait Sites.
22. Pathways to a Doctorate, Texas A&M University, College Station, Tx. Nov. 11, 2011
- MASTER STUDENTS
- a. Ochoa, A., G. **Schuster**, B. Bextine, S. Nelson, J. Munyaneza. Using Biotyping to Establish Temporal and Spatial Relationship between Potato Psyllid, *Bactericera cockerelli*, Populations Colonizing Potatoes in Texas.
 - b. Umphres-Lopez , Alinna, G. **Schuster**, K.C. McCuistion, J. Foster, Z. Lopez and R. Rhoades Agronomic Factors of Forage Sorghum in South Texas.
 - c. Field, Kendall, Greta **Schuster**, Shad Nelson, Enrique Medrano, Jason Woodward, and Kevin Ong. Isolation of bacteria isolated from diseased cotton bolls from south Texas.
 - d. Tasha N. Perry, Greta L. **Schuster**, David G. Hewitt, J. Alfonso Ortega, Tyler A. Campbell, Pamela L. Phillips, Ronald B. Davey, Adalberto Perez de Leon, Kim Lohmeyer, J. Mathews Pound, Liza A. Soliz. Effects of Microclimate Changes in Different Vegetation Types on Cattle Fever Tick Larval Survival
 - e. Trevino, J., G. **Schuster** B. Bextine, S. Nelson, A. Ochoa, and J. Munyaneza. 2011. Effects of Potato Planting Timing in Texas on Zebra Chip Incidence and Liberbacter Infection Rate in Potato Psyllids.
 - f. Segura, Lorenzo, G. **Schuster**, J. Alfonso Ortega-S, Ronald Davey, and David, Hewitt. Effects of Storage Methods on Stability of Ivermectin in Treated Corn
 - g. Lopez, Zak, K.C.McCuistion, G. **Schuster**, J. Foster, and A.M Umphres-Lopez Evaluation of Forage Sorghum, Sorghum x Sudangrass, and Grain Sorghum Varieties for Forage Yield and Nutritional Value
 - h. Neessen, Payton, David B. Wester, Sandra Rideout-Hanzek, and Greta **Schuster**. Soil and Vegetation Properties along a Salinity Gradient near Baffin Bay, Texas
- UNDERGRADUATE STUDENTS
- i. Johnson, David, Steven Lukefahr, Greta **Schuster**, Kim McCuistion. Economic Potential of Utilizing Sweet Potato Production as Forage for Rabbits.
 - j. Krystal Montemayor, Steve Biles, Greta **Schuster**. Insecticide Efficacy and Determination of Impact Caused by *Caliothrips phaseoli*
23. 96th Ecology Society of America Annual Meetings, Aug. 7-12, 2011, Austin, Texas.
- a. Erin E. Cord, Andrea R. Litt, Timothy E. Fulbright, and Greta L. **Schuster**. Changes in abundance and diversity in an arthropod community with invasive grasses.
24. Annual Meeting of the ASA-CSSA-SSSA. Oct. 2011. San Antonio, TX
- a. Simpson, C.R., A. Volder, S. Nelson, G. **Schuster**, J.C. Melgar, J. Jifon, and S. King. *Assessing the Impact of Salinity on Citrus Rootstocks in the Lower Rio Grande Valley.*
25. Annual Meeting – Texas Section for Society of Range Management, 2011, San Angelo, Texas.
- a. Currie, Chase, D.G. Hewitt, J.A. Ortega, G.L. **Schuster**, T.A. Campbell, and K. Lohmeyer. Annual Habitat Use Versus Habitat Availability of White-tailed Deer in Southern Texas. (*Poster Presentation: 1st Place Graduate Poster Competition*)
26. 55th Annual Meeting – Livestock Insect Workers Conference. July 16-19, 2011, St. Louis, Missouri.

- a. **Schuster**, G. Jeanne Freeman, David G. Hewitt, Alfonso Ortega-Santos, Tyler A. Campbell, Ed Bowers, Mat J. Pound, Ron B. Davey, Kim Lohmeyer, Liza Soliz, Chase R. Currie, Tasha Perry, Pia Olafson, Matthew Messenger, Adalberto A. Pérez de León. Preliminary findings of molecular survey for the presence of *B. bovis* and *B. bigemina* in cattle fever ticks and white-tailed deer from south Texas.
 - b. Currie, Chase R., D. G. Hewitt, G. L. **Schuster**, A. Ortega-Santos, T.A. Campbell4, Kim Lohmeyer, Tasha Perry, Mat J. Pound, Adalberto A. Pérez de León, Liza Soliz. Proportion of White-tailed Deer Using Medicated Bait Sites in Southern Texas.
 - c. Perry, Tasha, G.L. **Schuster**, D.G. Hewitt, T.A. Campbell, L. Soliz, J.A. Ortega, R. B. Davey, K. Loymeyer, A.P. de Leon, J.M. Pound, E.J. Bowers, J.M. Howell, and M. T. Messenger. Effects of Microclimate Changes in Different Vegetation Types on Cattle Fever Tick Larval Survival
27. 2011 Hispanic Leaders in Agriculture and the Environment Meeting. Kingsville, Texas.
- a. Currie, Chase, D.G. Hewitt, J.A. Ortega, G.L. **Schuster**, T.A. Campbell, and K. Lohmeyer. Influence of White-tailed Deer on the Cattle Fever Tick Eradication Program.
28. Caesar Kleberg Wildlife Research Institute, Current Research Publication, 2010-2011.
- a. Currie, Chase R., D. G. Hewitt,, A. Ortega-Santos, G. L. **Schuster**, T.A. Campbell, Kim Lohmeyer, Prevalence of *Rhipicephalus microplus* on white-tailed deer in southern Texas. Pg 50
 - b. Currie, Chase R., D. G. Hewitt,, A. Ortega-Santos, G. L. **Schuster**, T.A. Campbell, Kim Lohmeyer White-tailed deer visitation patterns at medicated bait sites. Pg 51
 - c. Currie, Chase R., D. G. Hewitt,, A. Ortega-Santos, G. L. **Schuster**, T.A. Campbell, Kim Lohmeyer. White-tailed deer distribution on premises quarantined for Cattle Fever Ticks. Pg 53
29. 33rd Annual Meeting – Southeast Deer Study Group. February 20-22, 2011, Oklahoma City, Oklahoma
- a. Currie, Chase, D.G. Hewitt, J.A. Ortega, G.L. **Schuster**, T.A. Campbell, and K. Lohmeyer. Proportion of White-tailed Deer Using Medicated Bait Sites.
30. Bi-National Tick, Wildlife, and Cattle Conference, March 23-24, 2011, Laredo, Texas.
- a. **Schuster**, G. and R. Stanko. History of eradication and update of research.
31. 48th Annual Meeting – Texas Chapter of the Wildlife Society, February 17-19, 2011 San Antonio, Texas.
- a. Perry, Tasha, G.L. **Schuster**, D.G. Hewitt, T.A. Campbell, L. Soliz, J.A. Ortega, R. B. Davey, K. Loymeyer, A.P. de Leon, J.M. Pound, E.J. Bowers, J.M. Howell, and M. T. Messenger. Effects of Vegetation Microclimate on Larval Cattle Fever Tick Survival
 - b. Currie, Chase, D.G. Hewitt, J.A. Ortega, G.L. **Schuster**, T.A. Campbell, and K. Lohmeyer. Proportion of White-tailed Deer Using Medicated Bait Sites (*Poster Presentation: 1st Place Graduate Poster Competition*)
 - c. Cord, E. E., A. R. Litt, T. E. Fulbright, and G. L. **Schuster**. 2011. Effects of invasive grasses on vegetation structure and composition.
 - d. Cord, E. E., A. R. Litt, T. E. Fulbright, and G. L. **Schuster**. 2011. Changes in arthropod abundance and diversity with invasive grasses. Cottam award oral presentation. **Received 3rd place in Cottam award competition.**
32. Annual Meetings of the American Society of Animal Science, February, 5-8, 2011, Corpus Christi.
- a. Flores, A., S.D. Lukefahr, G. **Schuster**, K.C. McCuiston, and T. Verma. Developing a low-cost, sustainable system using sweet potato forage for growing rabbits. (J. Anim. Sci. 89, E-Suppl. 2 [http://www.asas.org/abstracts/ ASAS_2011_Sect_ABS_E-Supplement-2.pdf] (Abstr. no. 40). Presentation
33. American Society of Horticultural Science meetings. February 5-8, 2011, Corpus Christi
- a. Simpson, C.R., Nelson, S.D., Cornell, S., **Schuster**, G. and Setamou, M. Evaluation of Salinity on Citrus and Watermelon Rootstock Seed Germination. Southern Region of American Society of Horticultural Science meetings
34. Caesar Kleberg Wildlife Research Institute, Current Research Publication, 2009-2010.

- a. Cord, Erin E., Andrea R. Litt, Greta L. **Schuster**, and Timothy E. Fulbright. Effects of Invasive Grasses on Insect Diversity and Abundance. Pg 18.
 - b. Currie, Chase, D.G. Hewitt, J.A. Ortega, G.L. **Schuster**, T.A. Campbell, and K. Lohmeyer. Presence of Cattle Fever Ticks on White-tailed Deer in southern Texas. Pg 60.
 - c. Segura, Lorenzo, G.L. **Schuster**, D.G. Hewitt, T.A. Campbell, L. Soliz, J.A. Ortega, R. B. Davey, K. Loymeyer, A.P. de Leon, J.M. Pound, E.J. Bowers, J.M. Howell, and M. T. Messenger. Habitat Overlap Assessment of Cattle, Deer, and Cattle Fever Ticks. Pg. 60
 - d. Perry, Tasha, G.L. **Schuster**, D.G. Hewitt, T.A. Campbell, L. Soliz, J.A. Ortega, R. B. Davey, K. Loymeyer, A.P. de Leon, J.M. Pound, E.J. Bowers, J.M. Howell, and M. T. Messenger. Effects of Vegetation Microclimate on Larval Cattle Fever Tick Survival. Pg. 61
 - e. Currie, Chase, D.G. Hewitt, J.A. Ortega, G.L. **Schuster**, T.A. Campbell, and K. Lohmeyer. Deero Movements in Relation to Cattle Fever Tick Quarantined Areas. Pg. 61
 - f. Currie, Chase, D.G. Hewitt, J.A. Ortega, G.L. **Schuster**, T.A. Campbell, and K. Lohmeyer. Evaluating the Proportion of White-tailed Deer Using Medicated Bait Sites. Pg. 63
35. ASA-CSSA-SSSA annual conference. Oct 31-Nov 4, 2010. Long Beach, CA.
- a. Romero, M., S.D. Nelson, M. Setamou, and G. **Schuster**. 2010. Implications of Sugarcane Harvesting Methods on Atrazine Movement.
36. American Association of Veterinary Parasitologists Proceedings, July 1, 2010, Atlanta, GA.
- a. Pérez de León, A. A., M. Pound, G. **Schuster**, F. Guerrero, R. B. Davey, R. Miller, K. Lohmeyer, D. G. Hewitt, J. A. Ortega, T. A. Campbell, A. E. Racelis, J. A. Goolsby, J. Freeman, P. Holman, M. Messenger, D. Ellis, R. Duhaime, L. Soliz, A. Li, P. Phillips, P. Olafson, K. Lohmeyer, P. Teel, S. Wikel, D. Kamlah, G. Wagner, K. Varner, D. Brake. 2010. Shift in rules of engagement for eradication of cattle fever ticks in the United States.
37. First Annual Javelina Research Symposium, Sept. 20, 2010, Kingsville, TX.
- a. Cord, E. E., A. R. Litt, T. E. Fulbright, and G. L. **Schuster**. 2010. Effects of invasive grasses on arthropod abundance and diversity. **Received President's Award (top award) for Oral Presentation.**
 - b. Lozano, J., G. **Schuster**, K. Ong, and J. Anscio. 2010. Lethal yellowing and Date Palm Lethal Decline in South Texas. **(Won 1st place – graduate student poster)**
38. 2010 Hispanic Leaders in Agriculture and the Environment Meeting. Kingsville, Texas 2010.
- a. Currie, Chase, D.G. Hewitt, J.A. Ortega, G.L. **Schuster**, T.A. Campbell, and K. Lohmeyer . White-tailed deer: A threat to the Cattle Fever Tick Eradication.
39. 2010 ADSA®-PSA-AMPA-CSAS-ASAS Joint Annual Meeting, July 11-15, 2010, Denver, CO.
<http://adsa.asas.org/meetings/2010/>
Schuster, G., K. E. Moulton, P. R. Broadway, S. Willard, J. Behrends, and T. B. Schmidt. Use of a biophotonic E. coli XEN-14 to determine time of contamination in the life cycle of the house fly, *Musca domestica* L. (Diptera: Muscidae). J. Anim. Science. 88, E-Suppl. 1 (1090).
40. 2010 MANNRRS Conference, Mar. 15-19, 2010, Orlando, FL.
- a. Lozano, J., G. **Schuster**, K. Ong, S. Nelson, and J. Anciso. Lethal Yellowing and Date Palm Lethal Decline in South Texas.
41. 64th Annual Subtropical Science Society Meeting, Jan. 25, 2010, Weslaco, TX.
- a. Romero, M., S.D. Nelson, M. Setamou, and G. **Schuster**. Impact of Altering Harvesting Methods on the Adsorption of Atrazine to Sugarcane Residues.
 - b. Lozano, J., G. **Schuster**, K. Ong, and J. Anscio. 2010. Lethal yellowing and Date Palm Lethal Decline in South Texas. Subtropical Plant Science. Vol. 62.
42. Annual meeting of Texas Chapter of The Wildlife Society, January, 25th, Galveston, TX. 2010.
- a. Cord, E. E., A. R. Litt, T. E. Fulbright, and G. L. **Schuster**. 2010. Effects of invasive grasses on arthropod abundance and diversity

43. 2010 Texas A&M AgriLife Conference, Jan. 11-14, 2010, College Station, TX.
- Cord, E. E., A. R. Litt, T. E. Fulbright, and G. L. **Schuster**. Effects of invasive grasses on arthropod abundance and diversity.
 - Romero, M., S.D. Nelson, M. Setamou, and G. **Schuster**. Impact of Altering Harvesting Methods on the Adsorption of Atrazine to Sugarcane Residues.
 - Salas, Daniel, Greta **Schuster**, and Allen Knutson. 2010. Survey of Light Brown Apple Moth (*Epiphyas postvittana*) in South Texas. (undergraduate)
44. 2009 HLB/ZC Meeting McAllen Convention Center (MCC), McAllen, TX.
- Munyanza, J., J. Buchman, V. Sengoda, J. Goolsby, and G. **Schuster**. Impact of Liberibacter infection timing on ZC incidence, potato yield, and tuber processing quality.
 - Munyanza, J., V. Sengoda, J. Buchman, J. Crosslin, J. Goolsby, and G. **Schuster**. Impact of environmental factors on ZC development.
 - Goolsby, J., J. Adamczyk, J. Munyanza, J. Crosslin, N. Troxclair, G. **Schuster**, P. Sloderbeck. Regional Monitoring of Potato Psyllid Populations and Associated Liberibacter Pathogen.
45. 7th Annual Texas A&M System Pathways to the Doctorate Symposium, Nov. 13-14, 2009, Laredo, TX.
- Ritchie, R., G. **Schuster**, S. Nelson, and D.D. Fromme. Evaluating Skip Row to Conventional Cotton in Lint Yield and Quality.
 - Buzek, C., G. **Schuster**, S. Nelson, and D.D. Fromme. Plant Population Effects on Lint Yield Among New Technology Varieties.
 - Lozano, J., G. **Schuster**, K. Ong, and J. Anscio. Lethal yellowing and Date Palm Lethal Decline in South Texas.
46. Texas A&M AgriLife Symposium, Graduate/Undergraduate Student Poster Competition, Jan. 2009, College Station, TX.
- Undergraduates
- Smith, Erin, G. **Schuster**, J. Munyanza, J. Goolsby, J. Douglas, and R. French, The role of potato psyllids on Zebra Chip in the Texas High Plains.
 - Kosub, Stephen, G. **Schuster**, Benny Martinez. Preliminary evaluation of low-volume, basal-stem treatments for control of Huisache (*Acacia farnesiana*).
 - Hanslik, Matt, G. **Schuster**, T.W. Janak, P. Baumann, M.E. Matocha, and T. Miller. The potential for *Jatropha* as a biofuel crop for south Texas.
47. Texas A&M AgriLife Symposium, Graduate/Undergraduate Student Poster Competition, Jan. 2007, College Station, TX.
- Dustin Patman, G. **Schuster**, Dayna Britten and R. O'Neal. 2007. Corn Head Smut (*Spacelotheca reiliana*) Control with Fungicide Seed Treatments.
 - Royce O'Neal, G. **Schuster**, T. Wheeler, and D. Britten. 2007. Evaluation of Seed Treatment Versus In-furrow Insecticides for Control of Western Flower Thrips, *Frankliniella occidentalis* (Pergande) on Cotton. Undergraduate Student Poster Competition.
48. International Symposium on Veterinary Epidemiology and Economics (ISVEE) Conference, August 6-11, 2006, Cairns, Australia,
- Schuster**, G. L., S. J. Loneragan, L. M. Chichester, D. J. Kunze, and G. H. Loneragan. 2006. Flies as potential vectors of resistance determinants in feedlots. pg 453.
 - Schuster**, G., K. McDonald, and S. Presley. 2006. Impact of coat color, gender, and weather on the attack rate of mosquito populations on horses in the Texas Panhandle. pg. 439.
49. 50th Annual Meeting – Livestock Insect Workers Conference, June 25-28th, 2006, Amarillo, Texas.
- Tomberlin, J. K. and G. **Schuster**. Susceptibility of Target House Fly Populations to Select Insecticides.
 - McDonald, K, G. **Schuster**, S. Presley, L. Baker, and J. Pipkin. Inter-Host of Mosquitos Attacking Horses in the Panhandle of Texas.

- c. **Schuster**, G.L., S. Loneragan, L. M. Chichester, D. J. Kunze, and G. H. Loneragan. Flies as Potential Vectors of Resistance Determinants in Feedlots.
 - d. Hambley, J., G. **Schuster**, M. Brown, C. Pouce, J. Talley, D. Britten, and J. Tomberlin. Efficacy of Diflubenzuron, an Insect Growth Regulator, for Control of Stable Flies (Diptera:Muscidae) in Confined Feeding Dairy Facilities.
50. Texas A&M University Agriculture Program, Graduate Student Poster Competition, Jan. 2006, College Station, TX.
- a. Loneragan, S., G. **Schuster**, G. H. Loneragan, L. M. Chichester, and D.J. Kunze. Flies as Potential Vectors of Antimicrobial Resistant Bacteria in Feedlots.
 - b. Hambley, J., G. **Schuster**, M. Brown, C. Pouce, J. Talley, D. Britten, and J. Tomberlin. Efficacy of Diflubenzuron, an Insect Growth Regulator, for Control of Stable Flies (Diptera:Muscidae) in Confined Feeding Dairy Facilities.
 - c. Johnson, J., G. **Schuster**, K. DeBois, M. Hazel, T. Sherrod, D. Britten, and L. Barnes. Surveillance Program for Plum Pox, a Potential Plant Viral Disease of Stone Fruits.
 - d. Kunze, D.J., G. Loneragan, M.M. Brashears, R.S. Singer, H.M Scott, T. Platt, L. Chichester, G.L. **Schuster**. Evaluation of antimicrobial drug susceptibility in enteric bacteria of cattle in response to administration of injectable antimicrobials.
51. Texas A&M University Agriculture Program, Graduate Student Poster Competition, Jan. 2005, College Station, TX.
- a. Kunze, D.J., G. Loneragan, M.M. Brashears, R.S. Singer, H.M Scott, T. Platt, L. Chichester, G.L. **Schuster**. Evaluation of antimicrobial drug susceptibility in enteric bacteria of cattle in response to administration of injectable antimicrobials.
 - b. McDonald, K., G. **Schuster**, S. Presley, L. Baker, and J. Pipkin. Inter-Host Preference of Mosquitoes Attacking Horses in the Panhandle of Texas.
52. Texas A&M Annual Entomology Science Conference, Oct. 2005, College Station, TX.
- a. Nino, E., P. Porter and G.L. **Schuster**. 2005. Efficiency of three trap types to monitor potato tuberworm moth, *Phthorimaea operculella* (Zeller) flights in potato fields.
53. 2004 Texas A&M Agriculture Program, January 5th – 7th, 2004, College Station, TX.
- Graduates
- a. Sherrod, Tara, G. **Schuster**, David Parker, and Justin Talley. Monitoring Population Trends of House Flies and Stable Flies (Diptera: Muscidae) on Texas High Plains Feedlot
 - b. Moore, Elizabeth, G. **Schuster**, R. Wallace, R. Thomsan, and C. Robinson. Evaluation of BioYield™ on the Suppression of *Rhizoctonia solani* AG4 in Marigold and Dianthus.
 - c. Benage, Mariette, G. **Schuster**, Skin Sensitivity and Effectiveness of Equine Fly Control Products.
 - d. Cox, Steve, G. **Schuster**, T. Isakeit, and P. Porter. Evaluation of Aflatoxin Accumulation in Conventional and Transgenic Bt Corn Hybrids.
- Undergraduates
- e. Adams, Alexis, G. **Schuster**, D. Parker, J. Pipkin, and R. Bachman. Mosquito Surveillance Used to Identify Potential Vectors of the West Nile Virus for the Equine Industry in the Texas High Plains. **WON - 2nd Place**
 - f. Bedwell, Meagan, Cox, Steve, G. **Schuster**, T. Isakeit, and P. Porter. Transgenic Corn Hybrids for Control of Western Corn Rootworm.
54. 52nd Annual Meeting of the Southwestern Branch of the Entomological Society Meeting,– February 23-26, 2004, Lubbock, TX
- a. Sherrod, Tara, G. **Schuster**, David Parker, and Justin Talley. Monitoring Population Trends of House Flies and Stable Flies (Diptera: Muscidae) on Texas High Plains Feedlot
 - b. Benage, Mariette, G. Schuster, Skin Sensitivity and Effectiveness of Equine Fly Control Products”
 - c. Cox, Steve, G. **Schuster**, T. Isakeit, and P. Porter. Evaluation of Aflatoxin Accumulation in Conventional and Transgenic Bt Corn Hybrids.

Undergraduates

- d. Adams, Alexis, G. **Schuster**, D. Parker, J. Pipkin, and R. Bachman. Mosquito Surveillance Used to Identify Potential Vectors of the West Nile Virus for the Equine Industry in the Texas High Plains.
 - e. Bedwell, Meagan, Cox, Steve, G. **Schuster**, T. Isakeit, and P. Porter. Transgenic Corn Hybrids for Control of Western Corn Rootworm.
55. 16th Annual Student Research Conference, March 29th - April 2nd, 2004, Texas Tech University Health Science Center, Lubbock, TX
- a. Cox, Steve, G. **Schuster**, T. Isakeit, and P. Porter. Evaluation of Aflatoxin Accumulation in Conventional and Transgenic Bt Corn Hybrids.
 - b. Adams, Alexis, G. **Schuster**, D. Parker, J. Pipkin, and R. Bachman. Mosquito Surveillance Used to Identify Potential Vectors of the West Nile Virus for the Equine Industry in the Texas High Plains.
 - c. Sherrod, Tara, G. **Schuster**, David Parker, and Justin Talley. Monitoring Population Trends of House Flies and Stable Flies (Diptera: Muscidae) on Texas High Plains Feedlot
56. Annual Meeting of the American Phytopathological Society, August, 2003, Charlotte, NC.
- a. Choppakatla, V. Wheeler, T.A., **Schuster**, G.L., Porter, D. and Robinson, C. The influence of irrigation amounts and drainage on incidence of Pythium pod rot of peanuts.
57. 2003 Beltwide Cotton Conference, Jan. 6-10, 2003, Nashville, TN
- a. Jason Jarrell, G. **Schuster**, R. Bowman, and M. Kelley. COTMAN evaluation of new cotton cultivars in the Texas High Plains.
58. 2002 Beltwide Cotton Conference, Jan. 8-12, 2002, Atlanta, GA,
- a. Jason Jarrell, R. Bowman, J. Leser, M. Kelley, G. **Schuster**, and R. Thomason. Growth Comparison of transgenic and conventional cotton cultivars using COTMAN.
59. American Peanut Research and Education Society (APRES) July 17-19th, 2002, Raleigh, NC.
- a. Choppakatla, V., T.A. Wheeler, G.L. **Schuster**, D. Porter, C. Robinson. The Influence of Soil moisture on Incidence of Pod rot of Peanut caused by *Pythium myriotylum* and *Rhizoctonia solani*.
60. American Phytopathological Society Annual Meetings, July 27-31, 2002.
- a. Uma, S., T. Wheeler, G. **Schuster**, and R. A. Thomason. Identification of critical factors that influence the screening of cotton cultivars for bacterial blight resistance.
61. Potato Association of America, 2001, Jacksonville, Florida.
- a. Naranjo, P., **Schuster**, G., Bender, D., and Thomason, R. Potato seed piece treatments for controlling *Rhizoctonia solani* infection.
 - b. Miller, C., J. Koym, D. Scheuring, G. **Schuster**, and Fernandez. Comparative growth analysis of Russet Norkotah and Norkotah strains.
62. 45th Annual Livestock Workers Conference, July 8-11, 2001, Cody, Wyoming.
- a. Talley, J., **Schuster**, G., Parker, D., and Clymer, B. Fly Population Dynamics in Open-Lot Beef Cattle Feeding Operations

CHAPTER CONTRIBUTION

Anciso, J. and A. Gregory. 2010. Texas GAPs and GHPs Food Safety Training Curriculum, Texas AgrLife Extension, 11/10.

AGRICULTURAL EXTENSION PUBLICATIONS

Schuster, G., McBride, S., French, R., and Appel, D. 2012. Zebra Chip Disease: Description, Impact, and Symptoms. Texas AgriLife Extension Service -Texas A&M System. (Factsheet [SCRI website](#))

McBride, S., R. French, G. **Schuster**, and K. Ong. 2010. Citrus Greening Guide: Citrus Tip Sheet. Texas AgriLife Extension, E-264, Spanish (E-264S), Vietnamese (E-264V).

McBride, S., R. French, G. **Schuster** and K. Ong. 2010. Citrus Disease Guide: The Quick ID Guide to Emerging Diseases of Texas Citrus. Texas AgriLife Extension, E-265, Spanish (E-265S), Vietnamese (E-265V).

Schuster, G., R. French, and K. Ong. 2008. Signs of Citrus Greening. Texas AgriLife Extension, L-5505.

Patrick, P., N. Troxclair, G. **Schuster**, D. Porter, G. Cronholm, E. Bynum, Jr., C. Patrick, and S. Davis. 2005. Texas Corn Production Emphasizing Pest Management and Irrigation. Texas Cooperative, Extension #B-6177.

Tomberlin, J.K. and G. **Schuster**. 2005. Suppressing blow fly populations in homes and retail stores. Texas Cooperative Extension, Texas A&M University. EEE-00032.

Tomberlin, J.K. and G.L. **Schuster**. 2004. Suppression of arthropod pests on small flocks of domestic fowl in Texas. Texas Cooperative Extension EEE-00011

Schuster, G., J. Krausz, and C. Rush. 2003. Karnal Bunt: An Emerging Wheat Disease. Texas Cooperative, Brochure # L-5430 10-02.

Porter, P., G. **Schuster**, P. Morrison, N. Troxclair, G. Cronholm, C. Patrick, and R. Parker. 2000. Bt Corn Technology in Texas: A Practical View. Texas Agricultural Extension Service Publication #B-6090.

PROFESSIONAL ADDRESSES (Chronological Order)

Schuster, G.L., D.G. Hewitt, T.A. Campbell, L. Soliz, J.A. Ortega, R. B. Davey, K. Loymeyer, A.P. de Leon, J.M. Pound, E.J. Bowers, J.M. Howell, and M. T. Messenger 2012. 2010 – 2012 TAMUK/USDA/ARS Deer Study. Cattle Fever Tick Eradication Program Conference, Laredo, TX. *INVITED Speaker*.

Schuster, G.L., D.G. Hewitt, T.A. Campbell, L. Soliz, J.A. Ortega, R. B. Davey, K. Loymeyer, A.P. de Leon, J.M. Pound, E.J. Bowers, J.M. Howell, and M. T. Messenger. 2011. Integration of ecologically-based approaches to re-eradicate cattle fever ticks from the U.S. 59th Annual Meeting of the Entomological Society of America, November 13-16, Reno, Nevada. *INVITED Speaker*

Schuster, G. and R. Stanko 2011. History of eradication and update of research. Bi-National Tick, Wildlife, and Cattle Conference, March 23-24, 2011, Laredo, Texas. *INVITED Speaker*.

Schuster, G., S. Lukefahr, K. McCusition, and R. Hanagriff. 2011. Measuring the Economic Potential of Utilizing Sweet Potato Production in Small Animal Forage and Crop Production System: A Systems Approach. The Economics, Finance and International Business Research Conference, December 9th, Miami Beach, FL.

Schuster, G. Jeanne Freeman, David G. Hewitt, Alfonso Ortega-Santos, Tyler A. Campbell, Ed Bowers, Mat J. Pound, Ron B. Davey, Kim Lohmeyer, Liza Soliz, Chase R. Currie, Tasha Perry, Pia Olafson, Matthew Messenger, Adalberto A. Pérez de León. 2011. Preliminary findings of molecular survey for the presence of *B. bovis* and *B. bigemina* in cattle fever ticks and white-tailed deer from south Texas. 55th Annual Meeting – Livestock Insect Workers Conference. July 16-19, 2011, St. Louis, Missouri.

Schuster, G., K. E. Moulton, P. R. Broadway, S. Willard, J. Behrends, and T. B. Schmidt. 2010. Use of a biophotonic *E. coli* XEN-14 to determine time of contamination in the life cycle of the house fly, *Musca domestica* L. (Diptera: Muscidae). 2010 ADSA®-PSA-AMPA-CSAS-ASAS Joint Annual Meeting, July 11-15, 2010, Denver, CO. <http://adsa.asas.org/meetings/2010/>.

Schuster, G. and M. Setamou. 2008. Citrus Greening and Asian Citrus Psyllid: Texas Situation. Texas A&M Entomology Conference, College Station, TX.

Schuster, G. L., S. J. Loneragan, L. M. Chichester, D. J. Kunze, and G. H. Loneragan. 2006. Flies as potential vectors of resistance determinants in feedlots. International Symposium on Veterinary Epidemiology and Economics (ISVEE) Conference, August 6-11, 2006, Cairns, Australia. (Flash and Dash) (Poster)

LIST OF PROFESSIONAL MEETINGS WHERE SERVED AS HOST, PANALIST, DISCUSSANT, OR COMMENTATOR

Moderator, 52nd Annual Caribbean Division of the America Phytopathological Society, Padre Island, April 16-17. 2012.

Invited Panelist for USDA, ARS, Office of Scientific Quality Review, NP 104 Mosquito and Fly Panel Review, 2010.

Moderator for Opening session - USDA ARS Workshop: Emergency Research on Cattle Fever Tick and Bovine Babesiosis - April 22-23, 2009 - McAllen, TX

Co-Program Chair for the International IPM Symposium – March 2009, Portland. Oregon

Chair of session & judge of graduate student presentations - 53rd Annual Meeting of the Entomological Society of America – (ESA) Ft. Lauderdale, Florida, December, 15-18th, 2006.

Hosted and moderated - Annual meeting of NIMSS, Project/Activity Number: S1005 - "Sources, Dispersal and Management of Stable Flies on Grazing Beef and Dairy Cattle (S274) and NIMSS, Project/Activity Number SDC322 - "Flies Impacting Livestock, Poultry, and Food Safety, Amarillo, TX. 2006

Chair/Coordinator/Speaker for the 50th Livestock Workers Conference in 2006 in Amarillo, Tx., Two- hundred scientist from U.S. and Australia participated in the 3 day conference.

Hosted 4th Annual Vegetable Conference, WTAMU, Canyon, Session Moderator/Co-Host of Conference, January 23rd- 24th, 2006.

SERA S-1005/S-1006 – Multi-state USDA/CSREES – commentator/discussant on research results and future projects. 2003-2007

NIMSS, Project/Activity Number SDC322; Title: "Flies Impacting Livestock, Poultry, and Food Safety" – yearly meeting with email activity monthly

NIMSS, Project/Activity Number: S1005; Title: "Sources, Dispersal and Management of Stable Flies on Grazing Beef and Dairy Cattle (S274)" – Ended in 2006 - yearly meeting with email activity monthly