

ALI A. ZARRABI

Department of Entomology and Plant Pathology
Oklahoma State University
Stillwater, OK 74078-3033
Phone: (405) 744-9423
FAX: (405) 744-6039
Email: ali.zarrabi@okstate.edu

EDUCATION

Ph.D. Genetics & Plant Breeding	Oklahoma State University	1982
M.S. Crop Science, Agronomy	Oklahoma State University	1978
B.S. (Diploma of Engineering)	Hamadan Agriculture College	1975

PROFESSIONAL EXPERIENCE

Oklahoma State University

- 2018-Present** Research Associate Professor. Department of Entomology and Plant Pathology. 100%, research
- 2013-2018** Assistant Research Professional. Department of Entomology and Plant Pathology. 100%, research
- 2012-2013** Research Analyst, Laboratory Director, Canola-wheat IPM project, Department of Entomology and Plant Pathology. 100%, research
- 2008-2012** Research Analyst, Laboratory Director Medical Veterinary Entomology Laboratory, Department of Entomology and Plant Pathology. 100%, research
- 2001-2008** Research Analyst, Project Coordinator, Insect-Plant-Interaction Laboratory, Department of Entomology and Plant Pathology. 100%, research
- 1983-2001** Senior Agriculturist, Project Supervisor, Legume Insect Project, Department of Entomology and Plant Pathology. 100%, research
- 1982-1983** Temporary Professional, Soybean Breeding Project, Department of Agronomy. 100%, research

MEMBERSHIPS IN PROFESSIONAL SOCIETIES:

Member of Entomological Society of America
Member of Entomological Society of America, Southwestern Branch
Member of North American Alfalfa Improvement Conference
Member of American Society of Agronomy
Member of Stillwater Chamber of Commerce
Board of directors of Stillwater Downtown Main Street, Unlimited
Member of Economic Restructure Committee of Stillwater Downtown Main Street, Unlimited

RECOGNITIONS AND MEMBERSHIP:

Judge of Regular Ten-Minute Paper Oral Presentation at 2018 National Meeting of Entomological Society of America in Vancouver, Canada.

Keynote Speaker at 2018 International Congress and Expo on Agriculture & Horticulture in Amsterdam, Netherlands.

Organizing Committee Member at ICEAH 2018, Amsterdam, Netherlands.

Judge of Student Poster Competition at 2018 Southwestern Branch Meeting of Entomological Society of America in Albuquerque, New Mexico.

Judge of Regular Ten-Minute Paper Oral Presentation at 2017 National Meeting of Entomological Society of America in Denver, Colorado.

Judge of Student Poster Competition at 2017 Southwestern Branch Meeting of Entomological Society of America in Austin, Texas.

Recipient of Friends of IPM “Pulling Together” Award 2016: Sugarcane Aphid Team, Southern IPM Center.

Reviewer (Journals): 2016 Journal of Economic Entomology;

Recipient of Gamma Sigma Delta Staff Award of Merit, The Honor Society of Agriculture, Oklahoma State University chapter, 2009.

Recipient of The Most Outstanding New Chapter Award for Service & Commitment to CKI. 2000. The Texas-Oklahoma District of Circle K International.

Recipient of New Business of the Year by Stillwater Downtown Main Street, Unlimited, 2003.

Three times recipient of Top 200 fastest Growing Salon in the United States by Salon Today, 1997-2005

Former Evening Kiwanis Club member, Stillwater, Oklahoma

Faculty Advisor for Circle K International Club at Oklahoma State University 1999-2005

Funded Cooperative Projects

GRANT ACTIVITY: Extramural Grants: Funded

2018- \$131,464

1. OK. Wheat Commission. 2018. Wheat Improvement Team participation with Carver et al. \$9,500. BCOA Resistance: Evaluation of Resistant Germplasm. Giles, K. L., A. Zarrabi.
2. Sorghum Checkoff. 2018. Insecticide efficacy of Sivanto side-dress. \$2,000. Zarrabi, Ali. A., Tom A. Royer, Kristopher L. Giles, and S. Kelly Seuchs.
3. Industry Grants. 2018. Ali A. Zarrabi, Tom A. Royer, and Kristopher L. Giles. \$ 117,964.
4. Industry Grants. 2018. Ali A. Zarrabi, Tom A. Royer, Kristopher L. Giles, and S. Kelly Seuchs. \$2,000.
 - a. Advanta Seeds: Germplasm Screening & Evaluation for Sugarcane aphid(SCA)
 - b. Advanta Seeds: Evaluation of tolerance of 2 hybrids in the field against sugarcane aphids.
 - c. Advanta Seeds: Evaluation of tolerance of 2 hybrids in the field against sugarcane aphids.
 - d. Bayer: Insecticide Efficacy of Sivanto HL for Sugarcane aphid in-furrow on forage sorghum.
 - e. Bayer: Insecticide Efficacy of Sivanto Prime & Sivanto HL for Sugarcane aphid foliar application on forage sorghum
 - f. Bayer: Establishing an economical threshold for sugarcane aphids on forage sorghum.
 - g. BASF: Seed Treatment & Insecticide Efficacy.
 - h. BASF: Seed Treatment & Insecticide Efficacy.
 - i. Corteva: Insecticide Efficacy Insecticide Efficacy for Sugarcane aphid on forage sorghum.
 - j. Corteva: Insecticide Efficacy for the control of Two-spotted mite on soybean.
 - k. FMC: Insecticide Efficacy for grasshopper on Bermuda grass pasture.
 - l. Valent, USA: Insecticide Efficacy for the control of Two-spotted mite on soybean.

2017- \$131,500

1. OK. Wheat Commission. 2017. Wheat Improvement Team participation with Carver et al. \$9,500. BCOA Resistance: Evaluation of Resistant Germplasm.

Giles, K. L., A. Zarrabi and T. A. Royer.

2. Sorghum Checkoff. 2017. IPM-Sorghum System for sugarcane aphid management, insecticide efficacy of Sivanto side-dress, and screening tolerant hybrids for Oklahoma. \$9,500. Ali A. Zarrabi, Tom A. Royer, Kristopher L. Giles, and S. Kelly Seuhs.
3. Industry Grants. 2017. Ali A. Zarrabi, Tom A. Royer, Kristopher L. Giles, and S. Kelly Seuhs. All grants: \$112,500.
 - a. Bayer: Insecticide Efficacy for Sugarcane aphid on grain and forage sorghum.
 - b. Dow: Insecticide efficacy for grasshopper on Bermuda grass pasture.
 - c. DuPont: Insecticide efficacy of seed treatment against the Bird cherry-oat Aphid in the growth chamber on spring and winter wheat.
 - d. DuPont: Insecticide Efficacy for Sugarcane aphid on grain sorghum.
 - e. DuPont: Lab field bioassay (LFB) of seed treatments against the Fall Armyworm in Sorghum.
 - f. DuPont: Lab field bioassay (LFB) of seed treatments against the Fall Armyworm in corn.
 - g. DuPont: Evaluation of Seed Treatment against soybean aphid *Aphis* under growth chamber condition.
 - h. FMC: Insecticide Efficacy for grasshopper on Bermuda grass pasture.
 - i. Gowan, USA: Insecticide Efficacy for Bank grass mites on corn.
 - j. Syngenta: Insecticide Efficacy for Sugarcane aphid on sorghum.
 - k. Valent, USA: Insecticide Efficacy for the control of Bank grass mite on corn
 - l. Valent, USA: Insecticide Efficacy for the control of Two-spotted mite on soybean.

2016- \$117,666

1. OK. Wheat Commission. 2016-2017. Wheat Improvement Team participation with Carver et al. \$9700. BCOA Resistance: Evaluation of Resistant Germplasm. Giles, K. L., A. Zarrabi and T. A. Royer.
2. Industry Grants. 2016-2017. Ali A. Zarrabi, Tom A. Royer, Kristopher L. Giles, Tracy L. Beedy, S. Kelly Seuhs, and Phil Mulder. All grants: \$117,666.
 - a. Bayer: Insecticide Efficacy for Sugarcane aphid on sorghum.
 - b. Dow: Insecticide Efficacy for grasshopper on Bermuda grass pasture.
 - c. DuPont: Seed Treatment for SCA on sorghum.
 - d. Forage Genetics: Germplasm Screening & Evaluation for spotted alfalfa aphid on alfalfa.
 - e. FMC: Insecticide Efficacy for Sugarcane aphid on sorghum.
 - f. Gowan, USA: Insecticide Efficacy for Sugarcane aphid on sorghum.
 - g. Gowan, USA: Insecticide Efficacy for Bank grass mites on corn.

- h. Syngenta: Seed Treatment & Insecticide Efficacy for Sugarcane aphid on sorghum.
- i. Valent, USA: Insecticide Efficacy for the control of cutworms on corn
- j. Valent, USA: Insecticide Efficacy for the control of two-spotted mite on soybean.

2015- \$158,843

1. OK. Wheat Commission. 2015-2016. Wheat Improvement Team participation with Carver et al. \$9700. BCOA Resistance: Evaluation of Resistant Germplasm. Giles, K. L., A. Zarrabi and T. A. Royer.
2. Industry Grants. 2015-2016. Ali A. Zarrabi, Tom A. Royer, Kristopher L. Giles, and S. Kelly Seuhs. All grants: \$158,843.
 - a. Adama: Insecticide efficacy of Skyraider on soybean aphid.
 - b. Bayer: Evaluation of insecticides for control of sugarcane aphid in sorghum.
 - c. Cheminova: Evaluation of insecticides for control of grasshoppers in pastures and evaluation of insecticides for control of sugarcane aphid in sorghum.
 - d. Dow: Insecticide efficacy for aphids and on canola.
 - e. DuPont: Evaluation of insecticides for control of grasshoppers in pastures, insecticide efficacy for diamond back moth and fall armyworm on canola, evaluation of the effects of foliar applications of different compounds control of fall armyworm in sorghum and wheat.
 - f. FMC: Insecticide efficacy for aphids and on canola.
 - g. Syngenta: Evaluation of wheat breeding lines for resistance to Bird cherry-oat aphid, genetic resistance evaluation of genetically modified corn hybrids against southwestern corn borer and fall armyworm, evaluation of Centric for control of sugarcane aphid in sorghum, insecticide efficacy for aphids and Hessian flies on wheat, evaluation of seed treatment insecticides against sugarcane aphid, and bird cherry-oat aphid reproduction.
 - h. Sorghum Checkoff: Management strategies for sugarcane aphid.
 - i. Valent: Insecticide efficacy for two spotted mites on soybean.

PROFESSIONAL DEVELOPMENT AND SERVICE

Committee:

Selection (1 faculty position)

Service on Graduate Committee:

Ankur Limaje, M.S. 2017.

Grace Jones, M.S. 2018-2020.

EMPLOYEE/STUDENT SUPERVISION/MENTORING

Undergraduate Supervision

Several graduate students and students' hourly workers since 1983.

JOURNAL PUBLICATIONS WITH PEER REVIEW:

Limaje, A., C. Hayes, J.S. Armstrong, W.W. Hoback, **A. Zarabi**, S. Paudyal, and J. Burke. In press. Antibiosis and tolerance discovered In USDA-ARS sorghums resistant to the sugarcane aphid *Melanaphis sacchari* (Hemiptera: Aphididae). *Journal of Entomological Science*.

Reiskind, M.H. and **A.A. Zarrabi**. 2013. Habitat quality favored over familiarity: a rejection of natal habitat preference induction in the mosquito, *Aedes albopictus*. *Ecological Entomology*, 38 (1): 96-100.

Reiskind, M.H. and **A.A. Zarrabi**. 2012. Is bigger really bigger? Differential Responses to Temperature in Measures of Body Size of the Mosquito, *Aedes albopictus*. *Journal of Insect Physiology*, 58 (7): 911-917.

Reiskind, M.H., **A.A. Zarrabi** and L.P. Lounibos. 2012. Effects of combination of leaf resources on competition in container mosquito larvae. *Bulletin of Entomological Research*, 102 (4): 424-434.

Reiskind, M.H., and **A.A. Zarrabi**. 2012. Water surface area and depth determine oviposition choice in *Aedes albopictus* (Skuse) (Diptera: Culicidae). *Journal of Medical Entomology* 49 (1): 71-76.

Reiskind, M. H., and **A. A. Zarrabi**. 2011. The importance of an invasive tree fruit as a resource for mosquito larvae. *Journal of Vector Ecology* 36: 197-203.

Reiskind, M.H., **A.A. Zarrabi**, and L. Phillip Lounibos. 2010. Invasive leaf resources alleviate density dependence in the invasive mosquito, *Aedes albopictus*. *Biological Invasions* (2010) 12:2319-2328.

Berberet, R. C., K.L. Giles, **A.A. Zarrabi**, and M.E. Payton. 2009. Development, reproduction, and within-plant infestation patterns of *Aphis craccivora* (Homoptera: Aphididae) on alfalfa. *Environ. Entomol.* 38:-1765-1771.

Zarrabi, A.A., R.C. Berberet, M.E. Payton and G.E. Hoard. 2005. Within-plant

distribution of *Acyrtosiphon kondoi* (Homoptera: Aphididae) on alfalfa. *Environ. Entomol.* 34:-193-198.

Berberet, R.C., **A.A. Zarrabi**, M.E. Payton and A.D. Bisges. 2003. Reduction in effective parasitism of *Hypera postica* (Coleoptera: Curculionidae) by *Bathyplectes curculionis* (Hymenoptera: Ichneumonidae) due to encapsulation. *Environ. Entomol.* 32:1123-1130.

Giles, K.L., R.C. Berberet, **A.A. Zarrabi** and J.W. Dillwith. 2002. Influence of alfalfa cultivar on suitability of *Acyrtosiphon kondoi* (Homoptera: Aphididae) of survival and development of *Hippodamia convergens* and *Coccinella septempunctata* (Coleoptera: occinellidae). *J. Econ. Entomol.* 95-552-557.

Caddel, J.L., **A.A. Zarrabi**, and J.D. Prater. 2002. Registration of 'OK 169' alfalfa. *Crop Sci.* 42: 216-317.

Caddel, J.L., **A.A. Zarrabi**, R.C. Berberet and J.D. Prater. 2002. Registration of OK 163, OK 164, OK 189 and OK 208 enhanced world collection germplasm. *Crop Sci.* 42:216-317.

Caddel, J.L., **A.A. Zarrabi** and R.C. Berberet. 2002. Registration of OK 190 alfalfa germplasm. *Crop Sci.* 42:992-993.

Caddel, J.L., **A.A. Zarrabi** and R.C. Berberet. 2002. Registration of OK 206 and OK 207 alfalfa germplasm. *Crop Sci.* 42:991-992.

Berberet, R.C., A.D. Bisges and **A.A. Zarrabi**. 2002. Role of cold tolerance in the seasonal life history of *Bathyplectes curculions* (Hymenoptera: Ichneumonidae) in the Southern Great Plains. *Environ. Entomol.* 31:739-745.

Zarrabi, A.A., R.C. Berberet and J.L. Caddel. 1995. New biotype of *Acyrtosiphon kondoi* (Homoptera: Aphididae) on alfalfa in Oklahoma. *J. Econ. Entomol.* 88:1461-1465

Caddel, J.L., R.C. Berberet, **A.A. Zarrabi** and K.T. Shelton. 1992. Registration of OK 85 alfalfa germplasm. *Crop Sci.* 32:840.

Caddel, J.L., R.C. Berberet, **A.A. Zarrabi** and K.T. Shelton. 1992. Registration of OK 51 alfalfa germplasm. *Crop Sci.* 32:839.

Caddel, J.L., R.C. Berberet, **A.A. Zarrabi** and K.T. Shelton. 1992. Registration of OK 49 alfalfa. *Crop Sci.* 32:280.

Bergman, D.K., J.W. Dillwith, **A.A. Zarrabi**, J.L. Caddel and R.C. Berberet. 1991. Epicuticular lipids of alfalfa relative to its susceptibility to spotted alfalfa aphids

(Homoptera: Aphididae). *Environ. Entomol.* 20:781-785.

Bergman, D.K., J.W. Dillwith, **A.A. Zarrabi** and R.C. Berberet. 1991. Epicuticular lipids of alfalfa relative to position on the stem and their correlation with aphid (Homoptera: Aphididae) distributions. *Environ. Entomol.* 20:470-476.

ABSTRACTS, PROCEEDINGS, TECHNICAL AND NON-REFEREED PUBLICATIONS

Ali A Zarrabi, Aqeel Alyousuf, Tom A Royer, S Kelly Seuhs, Kristopher L Giles. 2018. Evaluation of Sivanto Prime for Control of Sugarcane Aphid, 2017 *Arthropod Management Tests*, Volume 43, Issue 1, 1 January 2018, tsy083, <https://doi.org/10.1093/amt/tsy083>

Ali A. Zarrabi, Tom A. Royer, S. Kelly Seuhs, and Kristopher L. Giles. 2017. Insecticide Evaluation for Grasshopper Control in Bermudagrass Pasture, 2015*. *Arthropod Management Tests*, Volume 42, Issue 1, 1 January 2017, tsx078, <https://doi.org/10.1093/amt/tsx078>.

Ali A. Zarrabi, Tom A. Royer, Kristopher L. Giles, S. Kelly Seuhs, and Neda Ghousifam. 2017. Standardized Evaluation of Strafer for Control of Sugarcane Aphid, 2016*. *Arthropod Management Tests*, Volume 42, Issue 1, 1 January 2017, tsx008, <https://doi.org/10.1093/amt/tsx008>.

Ali A. Zarrabi, Tom A. Royer, S. Kelly Seuhs, and Kristopher L. Giles. 2017. Insecticide Evaluations in Soybean for Control of Twospotted Spider Mite, 2015. *Arthropod Management Tests*, Volume 42, Issue 1, 1 January 2017, tsx004, <https://doi.org/10.1093/amt/tsx004>.

Ali A. Zarrabi, Tom A. Royer, Kristopher L. Giles, S. Kelly Seuhs. 2017. Laboratory Bioassay of Insecticide Efficacy for Soybean Aphid (*Aphis glycines* Matsumura), 2015. *Arthropod Management Tests*, Volume 42, Issue 1, 1 January 2017, tsx005, <https://doi.org/10.1093/amt/tsx005>

Ali A. Zarrabi, Tom A. Royer, Kristopher L. Giles, S. Kelly Seuhs, Jessica Pavlu Lindenmayer, and Neda Ghousifam. 2017. Standardized Evaluation of Carbine for Control of Sugarcane Aphid in Early and Late-Planted Sorghum, 2016*. *Arthropod Management Tests*, Volume 42, Issue 1, 1 January 2017, tsx006, <https://doi.org/10.1093/amt/tsx006>.

Ali A. Zarrabi, Tom A. Royer, Kristopher L. Giles, S. Kelly Seuhs, and Neda Ghousifam. 2017. Standardized Evaluation of Sivanto Prime for Control of Sugarcane Aphid, 2016*. *Arthropod Management Tests*, Volume 42, Issue 1, 1 January 2017, tsx007, <https://doi.org/10.1093/amt/tsx007>.

Ali A. Zarrabi, K. Seuhs, K. Giles and T. A. Royer. 2015. Insecticide evaluations for grasshopper control in Bermuda grass pasture, 2014. *Arthropod Management Tests* 40 (1): F1 DOI: <http://dx.doi.org/10.1093/amt/tsv133.2>.

Ali A. Zarrabi, K. Seuhs, K. Giles and T.A. Royer. 2015. Evaluation of insecticides for sugarcane aphid control in grain sorghum, 2014. *Arthropod Management Tests*. 40 (1): F3 DOI: <http://dx.doi.org/10.1093/amt/tsv135.3>.

Ali A. Zarrabi, K. Seuhs, K. Giles and T.A. Royer. 2015. Insecticide evaluations for grasshopper control in bermudagrass pasture, 2013. *Arthropod Management Tests*. 40 (1): F2 DOI: <http://dx.doi.org/10.1093/amt/tsv134>.

P. G. Mulder, Jr, S. K. Seuhs, **A. Zarrabi**, R. C. Berberet. 2003. Insecticide performance for control of alfalfa weevil larvae, 2002. *Arthropod Management Tests*, Volume 28, Issue 1, 1 January 2003, F7, <https://doi.org/10.1093/amt/28.1.F7>.

P. G. Mulder, Jr, D.J. Prescott, R.C. Berberet, A.D. Bisges, A. A. Zarrabi. Control of Alfalfa Weevil Larvae, 1999. *Arthropod Management Tests*, Volume 25, Issue 1, 1 January 2000, F6, <https://doi.org/10.1093/amt/25.1.F6>.

R. C. Berberet, **A. A. Zarrabi**, A. D. Bisges. 1998. Early-Season Insect Control in Alfalfa, 1997. *Arthropod Management Tests*, Volume 23, Issue 1, 1 January 1998, Pages 169–170, <https://doi.org/10.1093/amt/23.1.169>.

R. C. Berberet, **A. A. Zarrabi**, A. D. Bisges, P. G. Mulder. 1997. Early Season Insect Control in Alfalfa, 1996. *Arthropod Management Tests*, Volume 22, Issue 1, 1 January 1997, Pages 195–196, <https://doi.org/10.1093/amt/22.1.195>.

R. Berberet, **A. Zarrabi**, A. Bisges. 1996. Control of Insect Pests in The First Alfalfa Crop, 1995. *Arthropod Management Tests*, Volume 21, Issue 1, 1 January 1996, Pages 193, <https://doi.org/10.1093/amt/21.1.193>.

R. Berberet, **A. Zarrabi**. 1995. Early Season Insect Control in Alfalfa, 1994. *Arthropod Management Tests*, Volume 20, Issue 1, 1 January 1995, Pages 147, <https://doi.org/10.1093/amt/20.1.147>.

Presentations at Professional Meetings or Symposia:

Ali A. Zarrabi. 2018. Insect Bioassays in Oklahoma Grain Crops. International Congress and Expo on Agriculture & Horticulture. Amsterdam, Netherlands.

Ali A. Zarrabi. 2018. Sugarcane Aphid Management Projects. Bayer Headquarter, Crop Science Division Moneheim, Germany.

Ali Zarrabi, Aqeel Alyousuf, Tom Royer¹, Kris Giles, S. Seuhs and Mark Payton. 2018. Evaluation of seed treatment against the bird cherry- oat aphids *Rhopalosiphum padi* (Linnaeus) in the growth chamber and field on winter and spring wheat. 66th Annual Meeting of the Southwest Branch of the Entomological Society of America. March 25-29, 2018. Albuquerque, New Mexico.

Aqeel Alyousuf, **Ali Zarrabi,** Tom Royer, Kris Giles and S. Seuhs. 2018. Bioassay tests for sugarcane aphid (SCA) *Melanaphis sacchari* (Zehntner) on grain and forage sorghum. 66th Annual Meeting of the Southwest Branch of the Entomological Society of America. March 25-29, 2018. Albuquerque, New Mexico.

Aqeel Alyousuf¹, **Ali Zarrabi,** Tom Royer, Kris Giles, and Mark Payton. 2018. Lab field bioassay (LFB) of seed treatments against the fall armyworm *Spodoptera frugiperda* (Smith) in sorghum and corn. 66th Annual Meeting of the Southwest Branch of the Entomological Society of America. March 25-29, 2018. Albuquerque, New Mexico.

Aqeel Alyousuf¹, Ali Zarrabi, **Tom Royer,** Kris Giles, Mark Payton. 2018. Evaluation of seed treatment against soybean aphid *Aphis glycines* (Matsumura) under controlled environment Chamber. 66th Annual Meeting of the Southwest Branch of the Entomological Society of America. March 25-29, 2018. Albuquerque, New Mexico.

Jessica Lindenmayer, Kris Giles, **Ali Zarrabi**¹, Allen Knutson, Robert Bowling, Nick Seiter, Sebe Brown, Brian McCornack, Norman Elliott, and Tom Royer. 2018. Development of a sequential binomial sampling protocol for scouting sugarcane aphid, *Melanaphis sacchari* (Zehntner) in grain sorghum. 66th Annual Meeting of the Southwest Branch of the Entomological Society of America. Vancouver, Canada.

Royer, T.A., J.C. Lindenmayer, K.L. Giles, **A.A. Zarrabi,** N.C. Elliott, R. Bowling, A.E. Knutson, N. Seiter, S. Brown and B. McCornack. 2017. Evaluation of spatial, temporal and geographic variation of within-field distribution of the sugarcane aphid, *Melanaphis sacchari* (Zehntner) in grain sorghum. Hemipteran-Plant Interactions Symposium, Madrid, Spain.

Jessica Lindenmayer (jessica.pavlu@okstate.edu)¹, Tom Royer¹, Kris Giles¹, **Ali Zarrabi**¹, Allen Knutson², Robert Bowling³, Nicholas Seiter⁴, Brian McCornack⁵, Sebe Brown⁶ and Norman Elliott⁷, ¹Oklahoma State Univ., Stillwater, OK, ²Texas A&M Univ., Dallas, TX, ³Texas A&M AgriLife Extension Service, Corpus Christi, TX, ⁴Univ. of Arkansas, Monticello, AR, ⁵Plant Biosecurity Cooperative Research Centre, Bruce, Australia, ⁶Louisiana State Univ. AgCenter, Winnsboro, LA, ⁷USDA - ARS, Stillwater, OK. Utilizing stratified sampling data to develop a scouting plan for sugarcane aphid, *Melanaphis sacchari* Zehntner, in sorghum. 2017. 65th ANNUAL MEETING of the SOUTHWESTERN BRANCH of the ENTOMOLOGICAL SOCIETY OF AMERICA. April 9-13, 2017, Austin, Texas.

Ankur Limaje (ankur.limaje@gmail.com)¹, Chad Hayes², J. Scott Armstrong³, W. Wyatt Hoback¹, **Ali Zarrabi**¹, Sulochana Paudyal¹ and John Burke², ¹Oklahoma State Univ., Stillwater, OK, ²USDA-ARS, Lubbock, TX, ³USDA - ARS, Stillwater, OK. 2017. The reproductive potential of the sugarcane aphid on susceptible and resistant sorghums from the Lubbock USDA-ARS germplasm. 2017. 65th ANNUAL MEETING of the SOUTHWESTERN BRANCH of the ENTOMOLOGICAL SOCIETY OF AMERICA. April 9-13, 2017, Austin, Texas.

Ali Zarrabi (ali.zarrabi@okstate.edu)¹, Tom Royer¹, Kris Giles¹, Norman Elliott², S. Seuhs¹, Jessica Lindenmayer¹ and Neda Ghousifam¹, ¹Oklahoma State Univ., Stillwater, OK, ²USDA - ARS, Stillwater, OK. 2017. An evaluation of management tactics for sugarcane aphid (SA) *Melanaphis sacchari* (Zehntner) in Oklahoma grain sorghum *Sorghum bicolor* (L.), 2017. 65th ANNUAL MEETING of the SOUTHWESTERN BRANCH of the ENTOMOLOGICAL SOCIETY OF AMERICA. April 9-13, 2017, Austin, Texas.

S. Seuhs (k.seuhs@okstate.edu)¹, **Ali Zarrabi**¹, Audrey Arant², Jenna Tuggle², Anna Hammons², Maggie Edwards², Kylie King² and Phillip G. Mulder¹, ¹Oklahoma State Univ., Stillwater, OK, ²Oklahoma School of Innovation and Experiential Learning, Bixby, OK. 2017. Spotted alfalfa aphid (SAA) control: A look at conventional vs. unconventional products. 65th ANNUAL MEETING of the SOUTHWESTERN BRANCH of the ENTOMOLOGICAL SOCIETY OF AMERICA. April 9-13, 2017, Austin, Texas.

David Kerns and Gus Lorenz, Robert Bowling, David Buntin, Jeff Gore, Brian McCornack and **Ali Zarrabi**. 2017. How to effectively manage SCA in the presence of other pests? Sorghum-Sugarcane Aphid Regional Program Research Exchange Meeting (special Invitation), January, 2017. Dallas, TX.

Scott D. Stewart (Project leader), Co-Authors (data providers) David Buntin (University of Georgia), Francis Reay-Jones (Clemson University), Gus Lorenz (University of Arkansas), Scott Stewart (University of Tennessee), **Ali Zarrabi** (Oklahoma State University). Summary of Standardized Efficacy Trial for Sugarcane Aphids in Grain Sorghum. Sorghum-Sugarcane Aphid Regional Program Research Exchange Meeting (special Invitation), January, 2017. Dallas, TX.

David Buntin, University of Georgia; **Ali Zarrabi**, Tom Royer, Kris Giles, Oklahoma State University; Alana Jacobson, Auburn University, M.O. Way, Texas A&M University. 2017. Sorghum IPM System for SCA Management. Sorghum-Sugarcane Aphid Regional Program Research Exchange Meeting (special Invitation), January, 2017. Dallas, TX.

Ali A. Zarrabi. 2017. Managing spider mites in corn and soybeans. Fall Crops Tour, OPREC, Goodwell,

Robert Bowling, Mo Way, Kris Giles, David Kerns, Nick Seiter, Gus Lorenz, David Buntin, Glenn Studebaker, **Ali Zarrabi**. 2016. What is the efficacy of season long programs that incorporate the industry leader Transform? Sorghum-Sugarcane Aphid Research Exchange Meeting. New Orleans, Louisiana.

Robert Bowling, **Ali Zarrabi**, Glenn Studebaker, David Kerns, Nick Seiter, Gus Lorenz, David Buntin. 2016. What is the effect of various adjuvant classes on control of sugarcane aphid when applied with the industry standards Transform? Sorghum-Sugarcane Aphid Research Exchange Meeting. New Orleans, Louisiana.

Robert Bowling, Mo Way, **Ali Zarrabi**, JP Michaud, Julien Beuzelin, Jeff Gore, Gus Lorenz, Alana Jacobson, Glenn Studebaker, Moneen Jones, Nick Seiter, Francis Reay-Jones, David Buntin, Gregg Nuessly, Angus Catchot, Scott Stewart. 2016. What is the efficacy of various insecticides against SCA in grain sorghum? 2016. Sorghum-Sugarcane Aphid Research Exchange Meeting. New Orleans, Louisiana.

Jessica Pavlu, Kris L. Giles, **Ali Zarrabi**, Norman C. Elliott and Tom A. Royer. 2016. Developing a sampling plan for sugarcane aphid in sorghum. 2016. Sorghum-Sugarcane Aphid Research Exchange Meeting. New Orleans, Louisiana.

Ali A. Zarrabi, Kris L. Giles, Tom A. Royer, Norman C. Elliott, and Jessica C. Pavlu. 2016. Future work for sorghum-sugarcane aphid? The effects of Transform on natural enemy survivorship and impact. The effects of Transform on natural enemy survivorship and impact. Sugarcane Aphid Research Exchange Meeting. New Orleans, Louisiana.

John Gordy, Michael Brewer, Darwin Anderson, Robert Bowling, M.O. Way, David Kerns, David Buntin, Nick Seiter, Tom Royer, **Ali Zarrabi**. 2016. Development of Thresholds for Management of Sugarcane Aphid on Sorghum. Annual Meeting, SWB Entomological Society of America, Tyler, TX.

Zarrabi, Ali A., S. Kelly Seus, Tom A. Royer, and Kris L. Giles. 2016. Insecticide evaluations for grasshopper control in bermudagrass (Pasture) *Cynodon dactylon*(L.) in Oklahoma. Annual Meeting, SWB Entomological Society of America, Tyler, TX.

Jessica C. Lindenmayer, Kris L. Giles, **Ali A. Zarrabi**, Nick Seiter, Allen E. Knutson, Sebe Brown, Robert Bowling, Brian McCornack, Norman C. Elliott and Tom A. Royer. 2016. Developing a research based sampling protocol for sugarcane aphid, *Melanaphis sacchari* Zehntner in Sorghum. XXV International Congress of Entomology. Orlando, Florida

Zarrabi, Ali A. Tom A. Royer, 2016. Sugarcane Aphid Management Projects, 2016. Oklahoma Ag Expo, Norman, OK October 13, 2016.

Zarrabi, Ali A., Assistant Research Professional, Tom A. Royer, Extension Entomologist. Oklahoma State University. Sugarcane Aphid Management Projects. 2016. Oklahoma Ag Expo, Norman, OK October 13, 2016.

Zarrabi, Ali A., Kris L. Giles, Phil G. Mulder, Eric J. Rebek, Tom A. Royer, Keely S. Seuhs, and Justin L. Talley. 2015. Efficacy and Genetic Evaluations for Insecticide on Oklahoma Crops and Livestock. 63rd Annual Meeting of the ESA-Southwestern Branch, Tulsa, Oklahoma.

Zarrabi, Ali A., Tom A. Royer, Kristopher L. Giles, and S. Kelly Seuhs. 2015. Insecticide Efficacy for Sugarcane Aphid, *Melanaphis sacchari* (Zehntner) on grain sorghum *sorghum bicolor* (L). 63rd Annual Meeting of the ESA-Southwestern Branch, Tulsa, Oklahoma.

Zarrabi, Ali A. Kris L. Giles, S. Kelly Seuhs, N. C. Elliott, and Tom A. Royer. 2015. Sugarcane Aphid (*Melanaphis sacchari* (Zehntner) in Oklahoma: Responding to a New Pest. Sorghum Improvement Conference of North America. Manhattan, Kansas.

Royer, T.A., K.L. Giles, **A.A. Zarrabi**, J. Damicone and J. Bushong. 2015. Winter Canola as a Rotational Crop for Winter Wheat in Oklahoma: Pest Management Challenges and Solutions. 8th International IPM Symposium, Salt Lake City, UT.

Collett, Dayna, Kris Giles, Brett Carver and **Ali A. Zarrabi**. 2014. Bird Cherry-Oat Aphid (*Rhopalosiphum padi* L.) Resistance in Wheat. 2014. Entomological Society of America. Portland, OR.

Talley, Justin, Tom Royer, & **Ali Zarrabi**. Grasshopper Control for Pastures. 2014.. 62nd OCA Convention and Trade.

Zarrabi, Ali A., Kris L. Giles, Dayna R. Collett, Brett F. Carver, Keely S. Seuhs, John S. Armstrong, and Xiangyang Xu. 2014. Evaluation of winter wheat (*Triticum aestivum* L.) germplasm for resistance against bird cherry oat aphids (*Rhopalosiphum padi* L.) , 62nd

Annual Meeting of the ESA-Southwestern Branch, San Antonio, Texas.

Royer, T., K. Giles, **A.A. Zarrabi** and K. Seuhs. 2013. Determine control of foliage-feeding caterpillars and incidence of other sporadic insect pests on winter canola. Partners in Progress: Oilseed research at OSU 2013. Oklahoma State University. DASNR-OAES-OCES. Stillwater, OK.

Royer, T. A., K. L. Giles, **A. Zarrabi** and K. Seuhs. 2013. The OKANOLA Project: Challenges in Managing Insect Pests of Canola in the Southern Plains. Paper: Entomological Society of America. Austin, TX.

Kris Giles, **Ali Zarrabi**, Kelly Seuhs, John Damicone, Mike Stamm, and Tom Royer. 2013. Canola Insects: Wait till Next Year. Ninth Annual Oklahoma-Kansas Winter Canola Conferences, July 17th Enid, Okla and July 18th Altus, Okla.

Royer, Tom, Kristopher Giles, **Ali Zarrabi**, and Kelly Seuhs. 2013. The OKANOLA Project: Challenges in Managing Insect Pests of Canola in the Southern Plains. Entomological Society of America 2013 Annual Meeting. Austin, Texas.

Ali A. Zarrabi, S. Kelly Seuhs, Tom A. Royer, and Kris L. Giles. 2016. Insecticide evaluations for grasshopper control in bermudagrass (Pasture) *Cynodon dactylon*(L.) in Oklahoma. Annual Meeting, SWB Entomological Society of America, Tyler, TX.

Jessica C. Lindenmayer, Kris L. Giles, **Ali A. Zarrabi**, Nick Seiter, Allen E. Knutson, Sebe Brown, Robert Bowling, Brian McCornack, Norman C. Elliott and Tom A. Royer. 2016. Developing a research based sampling protocol for sugarcane aphid, *Melanaphis sacchari* Zehntner in Sorghum. XXV International Congress of Entomology. Orlando, Florida

Pavlu, J. K. Giles, **A. Zarrabi**, N. Elliott, and T. Royer. 2016. Developing a research based sampling protocol for sugarcane aphid, *Melanaphis sacchari* in sorghum. XXV International

Zarrabi, A., K. L. Giles, T. A. Royer, N.C. Elliott and K. Seuhs. 2015. Sugarcane aphid *Melanaphis sacchari* (Zehntner) on sorghum: is there a comprehensive solution? 63rd Annual meeting, SW Branch of the Entomological Society of America, Tulsa, OK.

Zarrabi, A., S.K. Seuhs, T.A. Royer and K. L. Giles. 2015. Insecticide evaluations for grasshopper control in bermudagrass (pasture) *Cynodon dactylon* (L.) in Oklahoma. 63rd Annual meeting, SW Branch of the Entomological Society of America, Tulsa, OK.

Zarrabi, A.A., K. L. Giles, S. K. Seuhs, N.C. Elliott and T.A. Royer. 2015. Sugarcane aphid (*Melanaphis sacchari* (Cehntner)) in Oklahoma: Responding to a new pest. Proc. Sorghum Improvement Conference of North America. Manhattan, KS.

INVITED SEMINARS AND SCIENTIFIC PRESENTATIONS

Ali A. Zarrabi. 2017. Managing spider mites in corn and soybeans. Fall Crops Tour, OPREC, Goodwell, OK.

Ali A. Zarrabi, Tom A. Royer, 2016. Sugarcane Aphid Management Projects, 2016. Oklahoma Ag Expo, Norman, OK October 13, 2016.

Royer, T.A., K.L. Giles, **A.A. Zarrabi**, J. Damicone and J. Bushong. 2015. Winter Canola as a Rotational Crop for Winter Wheat in Oklahoma: Pest Management Challenges and Solutions. 8th International IPM Symposium, Salt Lake City, UT.

Royer, T. A., K. L. Giles, **A. Zarrabi** and K. Seuhs. 2013. The OKANOLA Project: Challenges in Managing Insect Pests of Canola in the Southern Plains. Paper: Entomological Society of America. Austin, TX.

Kris Giles, **Ali Zarrabi**, Kelly Seuhs, John Damicone, Mike Stamm, and Tom Royer. 2013. Canola Insects: Wait till Next Year. Ninth Annual Oklahoma-Kansas Winter Canola Conferences, July 17th Enid, Okla and July 18th Altus, Okla.

REFERENCES

Dr. Kristopher L. Giles
Regents Professor
Department of Entomology and Plant Pathology
Oklahoma State University
127 NRC
Stillwater, OK 74078.
(405)-744-6298

Dr. Tom A. Royer
Professor and IPM Coordinator
Department of Entomology and Plant Pathology
Oklahoma State University
127 NRC
Stillwater, OK 74078.
(405)-744-9406

Dr. Phil Mulder, Jr.
Professor and Department Head
Department of Entomology and Plant Pathology
Oklahoma State University
127 NRC
Stillwater, OK 74078.
(405)-744-9406