Additional Project Outputs for OREI 2018-51300-28434
Furthering the Development and Implementation of Systems-Based Organic Management Strategies for Spotted Wing Drosophila

For farmers, service providers, and the general public

Videos:

- Schöneberg, T. 2020 Virtual Twilight Tour Videos, August 2020. Video: *Optimizing systems to control spotted wing drosophila*. U Maryland Extension. https://www.youtube.com/watch?v=d1su4RPMjDE&list=PLVHDC0BV7YWxTEGSMpVIMncOsdRm-soBb&index=4.
- O. E. Liburd* and E. M. Rhodes. 2020. *Spotted wing Drosophila in Florida strawberries*. https://www.youtube.com/watch?v=PVf75LWTmBg.

Extension bulletins:

- Vaughn Walton, Linda Brewer, Daniel Dalton, Rachael Nieri, Kyoo Park, Ferdinand Pfab, Dalila Rendon, Gabriella Tait, Nik Wiman and Marco Rossi-Stacconi. 2019. *How seasons affect population structure, behavior and risk on spotted-wing drosophila*. Oregon SU Extension EM 9261. https://extension.oregonstate.edu/catalog/em-9261-how-seasons-affect-population-structure-behavior-risk-spotted-wing-drosophila.
- Vaughn Walton, Marco Rossi-Stacconi, Gabriella Tait, Dalila Rendon, Jana Lee, Rachael Nieri, Linda Brewer. 2019. *Host range and characteristics affecting fruit susceptibility to spotted-wing drosophila*. Oregon SU Extension EM 9263. https://extension.oregonstate.edu/catalog/em-9263-host-range-characteristics-affecting-fruit-susceptibility-spotted-wing-drosophila.
- Tait, G., Rendon, D., Brewer, L., Dalton, D., Lee, J., Nieri, R., Park, K., Pfab, F., Rossi-Stacconi, M. & Walton, V. (2019). *Non-crop host plants used by Spotted-Wing Drosophila.* Oregon SU Extension, EM 9264. https://extension.oregonstate.edu/catalog/em-9264-noncrop-host-plants-used-spotted-wing-drosophila.
- Cherre Bezerra Da Silva, Brianna F. Price, Daniel Dalton, Dalila Rendon, Kyoo Park, Linda Brewer, Vaughn Walton and Marco Rossi-Stacconi (2019). *Potential impacts of irrigation on biocontrol of spotted-wing drosophila*. Oregon SU Extension, EM 9268. https://extension.oregonstate.edu/catalog/em-9268-potential-impacts-irrigation-biocontrol-spotted-wing-drosophila.
- *Management Recommendations for Spotted Wing Drosophila in Organic Berry Crops*, University of Georgia Cooperative Extension Bulletin 1497. Published in 2018, 8 pp. https://secure.caes.uga.edu/extension/publications/files/pdf/B%201497_4.PDF.
- Hamby, K. 2021. Reminders for monitoring and managing spotted-wing drosophila (SWD). University of Delaware Weekly Crop Update: June 25, 2021 https://sites.udel.edu/weeklycropupdate/?p=18634.

For academic audiences

Book chapters:

- Lee, J., A.J. Dreves. 2019. *Entomopathogenic Nematodes*. Pacific Northwest Pest Management Handbooks. https://pnwhandbooks.org/insect/ipm/entomopathogenic-nematodes.
- Garcia, F.R.M [ed.]. 2020. *Drosophila suzukii Management*, Springer, Cham, Switzerland. https://link.springer.com/book/10.1007/978-3-030-62692-1.
    - Wang, X.-G., Daane, K. M., Hoelmer, K. A., and Lee, J. C.-T. 2020. Chapter 8, *Biological Control of Spotted-Wing Drosophila - an Update on Promising Agents*, pp. 143-168.
    - O. E. Liburd and E. M. Rhodes. 2020. *Management of Drosophila suzukii in Berry Crops*.
    - Burrack, H., Lee J., Rodriguez-Saona, C., and Loeb, G. 2020. *Progress and challenges in building monitoring systems for Drosophila suzukii*.

Journal articles: overview of Spotted Wing Drosophila IPM:

- J. Economic Entomology, vol 115 issue 4 (2022). *Special Collection: Research Advances in Spotted Wing Drosophila, Drosophila suzukii*. https://academic.oup.com/jee/issue/115/4. *Open access.*
- Lee. J.C., Rodriguez-Saona, C.R., and Zalom, F.G. 2022. *Introductory Remarks: Spotlight on spotted-wing drosophila. Special Collection on Spotted-Wing Drosophila: Research Advances Since its US Invasion*. Journal of Economic Entomology 115(4): 919921. https://doi.org/10.1093/jee/toac041. *Open access*.
- Tait, G., S. Mermer, D. Stockton, J. Lee, S. Avosani, A. Abrieux, G. Anfora, E. Beers, A. Biondi, H. Burrack, D. Cha, J.C. Chiu, M. Choi, K. Cloonan, M.C. Crava, K.M. Daane, D.T. Dalton, L. Diepenbrock, P. Fanning, F. Ganjisaffar, M. Gómez, L. Gut, A. Grassi, K. Hamby, K. Hoelmer, C. Ioriatti, R. Isaacs, J. Klick, L. Kraft, G. Loeb, M.V. Rossi-Stacconi, R. Nieri, F. Pfab, S. Puppato, D. Rendon, J. Renkema, C. Rodriguez-Saona, M. Rogers, F. Sassù, T. Schöneberg, M.J. Scott, M. Seagraves, A. Sial, S. Van Timmeren, A. Wallingford, X.G. Wang, D.A. Yeh, F.G. Zalom, V.M. Walton. 2021. *Drosophila suzukii (Diptera: Drosophilidae): A decade of research towards a sustainable integrated pest management program.* J. Economic Entomology 114(5) https://doi.org/10.1093/jee/toab158. *Open access.*

Journal articles: SWD monitoring methodologies

- Panthi, B., Cloonan, K. R., Rodriguez-Saona, C., Short, B.D., Kirkpatrick, D. M., Loeb, G. M., Aflitto, N.C., Wiman, N., Andrews, H., Drummond, F.A., Fanning, P. D., Ballman, E., Johnson, B., Beal, D. J., Beers, E. H., Burrack, H. J., Isaacs, R., Perkins, J., Liburd, O. E., Lambert, A. R., Walton, V. M., Harris, E.T., Mermer, S., Polk, D., Wallingford, A. K., Adhikari, R., & Sial, A. A. 2022. *Using Red Panel Traps to Detect Spotted-Wing Drosophila and its Infestation in US Berry and Cherry Crops*, Journal of Economic Entomology, https://doi.org/10.1093/jee/toac134. *Open access*.

- Van Timmeren, S., Davis, A.R., and Isaacs, R. 2021. *Optimization of a larval sampling method for monitoring Drosophila suzukii (Diptera: Drosophilidae) in blueberries*. Journal of Economic Entomology https://doi.org/10.1093/jee/toab096. *Open access.*

Journal articles: behavioral controls, pheromones, volatile attractants, traps, attract-and-kill

- Rhodes, E. M., A. Babu, A. A. Sial, O. E. Liburd, and Jana Lee. 2023. *Potential alternatives to Spinosad as the kill mixed with two attractant products in attract-and-kill tactics used to manage the spotted wing drosophila, Drosophila suzukii (Diptera: Drosophilidae*). Journal of Economic Entomology 116 (1). https://doi.org/10.1093/jee/toac204. *Paywall.*
- Urbaneja-Bernat, P., Holdcraft, R., Hernandez-Cumplido, J., Rhodes, E.M., Liburd, O.E., Sial, A.A., Mafra-Neto, A., and Rodriguez-Saona, C. 2022. *Field, semi-field, and greenhouse testing of HOOK-SWD, a SPLAT-based attract-and-kill formulation to manage spotted-wing drosophila in blueberries*. Journal of Applied Entomology. https://doi.org/10.1111/jen.13073.
- Babu, A., Rodriguez-Saona, C., and Sial, A.A. 2022. *Factors influencing the efficacy of novel attract and kill (ACTTRA SWD) formulations against Drosophila suzukii*. Journal of Economic Entomology 115(4). Special Collection on Research Advances in Spotted-Wing Drosophila Management. https://doi.org/10.1093/jee/toab273. *Open access.*
- Babu, A., Rodriguez-Saona, C., and Sial, A.A. 2022. *Comparative adult mortality and relative attractiveness of spotted-wing drosophila (Diptera: Drosophilidae) to novel attract-and-kill (ACTTRA SWD) formulations mixed with different insecticides*. Frontiers in Ecology and Evolution 10:846169, section Chemical Ecology. Research Topic on Research Advances on Drosophila suzukii. https://doi.org/10.3389/fevo.2022.846169. *Open access.*
- Babu, A., C. Rodriguez-Saona, A. Mafra-Neto, and A.A. Sial. 2021. *Efficacy of attract-and-kill formulations using the adjuvant ACTTRA SWD TD for the management of spotted-wing drosophila in blueberries.* 2020. Arthropod Management Tests 46(1), 12 https://doi.org/10.1093/amt/tsab082. *Open access.*
- Durović, G., A. Alawamleh, S. Carlin, G. Maddalena, R. Guzzon, V. Mazzoni, D. T. Dalton, V. M. Walton, D. M. Suckling, R. C. Butler, S. Angeli, A. De Cristofaro, and G. Anfora. 2021. *Liquid baits with Oenococcus oeni increase captures of D. suzukii.* Insects. 12: 66. https://doi.org/10.3390/insects12010066. *Open access.*
- Rossi Stacconi, M. V., Tait, G., Rendon, D., Grassi, A., Boyer, G., Nieri, R., & Walton, V.M. 2020. *Gumming Up the Works: Field Tests of a New Food-Grade Gum as Behavioral Disruptor for Drosophila suzukii (Diptera: Drosophilidae).* Journal of Economic Entomology, 113(4): 1872-1880. https://doi.org/10.1093/jee/toaa072. *Paywall.*
- Disi, J. O., & Sial, A. A. 2019. *Efficacy of HOOK SWD attract-and-kill SPLAT for management of Spotted-Wing Drosophila in Georgia Rabbiteye Blueberries*. Arthropod Management Tests, 2019. 44 (C13). https://doi.org/10.1093/amt/tsy112. *Open access.*
- Klick, J., Rodriguez-Saona, C. R., Cumplido, J. H., Holdcraft, R. J., Urrutia, W. H., da Silva R. O., Borges, R., Mafra-Neto A., & Seagraves, M. P. 2019. *Testing a novel attract-and-kill strategy for Drosophila suzukii (Diptera: Drosophilidae) management*. Journal of Insect Science, 19(1), 3. https://doi.org/10.1093/jisesa/iey132. *Open access.*
- Cloonan, K.R., Hernández-Cumplido, J., De Sousa, A.L.V., Ramalho, D.G., Burrack, H.J., Della Rosa, L., Diepenbrock, L.M., Ballman, E., Drummond, F.A., Gut, L.J., Hesler,

S., Isaacs, R., Leach, H., Loeb, G.M., Nielsen, A.L., Nitzsche, P., Park, K.R., Syed, Z., Van Timmeren, S., Wallingford, A.K., Walton, V.M., Rodriguez-Saona, C., 2019. *Laboratory and Field Evaluation of Host-Related Foraging Odor-Cue Combinations to Attract Drosophila suzukii (Diptera: Drosophilidae).* J Econ Entomol. https://doi.org/10.1093/jee/toz224. *Paywall.*

- Tait G., C. Kaiser, Rossi-Stacconi M. V., Dalton D.T., Anfora G. Walton V. M. 2018. *A food-grade gum as a management tool for Drosophila suzukii.* Bulletin of Insectology 71 (2): 295-307. https://archive.bulletinofinsectology.org/Contents/Contentsbullinsect.htm (scroll down to vol 71 p 295 and click on pdf link under title). *Open access.*
- Jaffe, B. D., Avanesyan, A., Bal, H. K., Feng, Y., Grant, J., Grieshop, M. J., Lee, J. C., Liburd, O. E., Rhodes, E., Rodriguez-Saona, C., Sial, A. A., Zhang, A., & Guedot, C. 2018. *Multistate comparison of attractants and the impact of fruit development stage on trapping Drosophila suzukii (Diptera: Drosophilidae) in raspberry and blueberry.* Environmental Entomology 47(4), 935-945. https://doi.org/10.1093/ee/nvy052. *Open access.*

Journal articles: cultural controls and physical barriers

- Tait, G., Mermer, S., Chave, R., Rossi-Stacconi, M., Kaiser, C., & Walton, V. 2022. *A horticultural cuticle supplement can impact quality characters and Drosophila Suzukii damage of several small and stone fruit*. Environmental Entomology. 51. https://doi.org/10.1093/ee/nvac050. *Open access.*
- Schöneberg, T., English, L.A., Popp, J., Hamby, K.A. 2021. *Impact of modified caneberry trellis systems on microclimate and habitat suitability for Drosophila suzukii*. Invited to special collection Research Advances in Spotted-Wing Drosophila Management in Journal of Economic Entomology 115(4). https://doi.org/10.1093/jee/toab236. *Open access*.
- Schöneberg, T., Lewis, M.T., Burrack, H.J., Grieshop, M., Isaacs, R., Rendon, D., Rogers, M., Rothwell, M., Sial, A.A., Walton, V.M., and Hamby, K.A. 2021. *Cultural control of Drosophila suzukii in small fruit current and pending tactics in the U.S.* Insects Special Issue: Organic pest management of invertebrate pests: A frontier borne of constraints? 12(2): 172. https://doi.org/10.3390/insects12020172. *Open access*.
- DiGiacomo, G., Gullickson, M. G., Rogers, M., Peterson, H. H., & Hutchison, W. D. (2021). *Partial budget analysis of exclusion netting and organic-certified insecticides for management of Spotted-Wing Drosophila (Diptera: Drosophilidae) on small farms in the upper Midwest*. Journal of Economic Entomology. https://doi.org/10.1093/jee/toab087. *Paywall.*
- Schöneberg, T., Arsenault-Benoit, A., Taylor, C.M., Butler, B.R., Dalton, D.T., Walton, V.M., Petran, A., Rogers, M.A., Diepenbrock, L.M., Burrack, H.J., Leach, H., Van Timmeren, S., Fanning, P., Isaacs, R., Gress, B.E., Bolda, M.B., Zalom, F.G., Roubos, C.R., Evans, R.K., Sial, A.A., and Hamby, K.A. 2020. *Pruning of small fruit crops can affect habitat suitability for Drosophila suzukii*. Agriculture Ecosystems and Environment 294, 106860. https://doi.org/10.1016/j.agee.2020.106860. *Paywall.*
- Rendon, D., and V. M. Walton. 2019. *Drip and Overhead Sprinkler Irrigation in Blueberry as Cultural Control for Drosophila suzukii (Diptera: Drosophilidae) in Northwestern United States*. J. Econ. Entomol. 112: 745752. https://doi.org/10.1093/jee/toy395. *Paywall.*

- Rendon, D., Hamby, K. A., Arsenault-Benoit, A., Taylor, C., Evans, R., Roubos, C., Sial, A. A., Rogers, M., Petran, A., Van-Timmeren, S., Fanning, P., Isaacs, R., & Walton, V. M. 2019. *Mulching as a Cultural Control Strategy for Drosophila suzukii in Blueberry*. Pest Manag. Sci. https://doi.org/10.1002/ps.5512. *Paywall.*

Journal articles: biological controls (classical, augmentative, and conservation biocontrol)

- Carroll, J. E., Marshall, P. M., Mattoon, N. E., Weber, C. A., & Loeb, G. M. 2022. *The predation impact of Ruby-throated hummingbird, Archilochus colubris, on Spotted-Wing Drosophila, Drosophila suzukii, in Raspberry*, Rubus idaeus, Crop Protection. https://doi.org/10.1016/j.cropro.2022.106116. *Paywall.*
- Hougardy E, Hogg BN, Wang XG, Daane KM 2022. *Discrimination abilities and parasitism success of two pupal parasitoids towards Drosophila suzukii pupae parasitized by the larval parasitoid Ganaspis brasiliensis*. Environmental Entomology https://doi.org/10.1093/ee/nvac083. *Open access.*
- Jarrett, B. M. J., Linder, S., Fanning, P. D., Isaacs R., & Szucs, M. 2022. *Experimental adaptation of native parasitoids to the invasive insect pest, Drosophila suzukii*. Biological Control 167(2022) 104843. https://doi.org/10.1016/j.biocontrol.2022.104843. *Open access.*
- Beers, E. H., Beal, D., Smytheman, P., Abram, R., Schmidt-Jeffris, R., Moretti, E., Daane, K. M., Looney, C., Lue, C.-H., Buffington, M. L. 2022 *First records of adventive populations of the parasitoids Ganaspis brasiliensis and Leptopilina japonica in the United States*. Journal of Hymenoptera Research. 91: 1125. https://doi.org/10.3897/jhr.91.82812. *Open access.*
- Hogg, B. N., Lee, J. C., Rogers, M. A., Worth, L., Nieto, D. J., Stahl, J. M., & Daane, K. M. 2022. *Releases of the parasitoid Pachycrepoideus vindemmiae for augmentative biological control of spotted wing drosophila, Drosophila suzukii*. Biological Control, 168, 104865. https://doi.org/10.1016/j.biocontrol.2022.104865. *Paywall*.
- Rossi-Stacconi, M. V., Wang, X.-G., Stout, A., Fellin, L., Daane, K. M., Biondi, A., Stahl, J. M., Buffington, M. L., Anfora, G., Hoelmer, K. A. 2022. *Methods for rearing the parasitoid Ganaspis brasiliensis, a promising biological control agent for invasive Drosophila suzukii*. JoVE Journal184 e63898. doi 10.3791/63898 (online: https://www.jove.com/v/63898). *Paywall / subscription required.*
- Wang, X.-G., Lee, J. C., Daane, K. M., Buffington, M. L., and Hoelmer, K. A. 2020. *Biological control of Drosophila suzukii*. CAB Reviews 15, No. 054 https://doi.org/10.1079/PAVSNNR202015054. *Paywall.* Review of 100+ studies of predators, parasitoids, and entomopathogens of SWD, emphasis on biocontrol of SWD on non-crop host plants – it would be very helpful to gain access to this article.
- Lee, J.C., Wang, X., Daane, K.M., Hoelmer, K.A., Isaacs, R., Sial, A.A., Walton, V.M., 2019. *Biological Control of Spotted-Wing Drosophila (Diptera: Drosophilidae) Current and Pending Tactics*. J Integr Pest Manag 10. https://doi.org/10.1093/jipm/pmz012. *Open access.*
- Giorgini, M., Wang, X.-G., Wang, Y., Chen, F.-U., Hougardy, E., Hong-Mei, Zhang, H.-M., Chen, Z.-Q., Chen, H.-Y., Liu, C.-X., Casconea, P., Formisano, G. Carvalho, G. A., Biondi, A., Buffington, M., Daane, K. M., Hoelmer, K. A., and Guerrieri, E. 2019. *Exploration for native parasitoids of Drosophila suzukii in China reveals a diversity of*

parasitoid species and narrow host range of the dominant parasitoid Journal of Pest Science. https://doi.org/10.1007/s10340-018-01068-3. *Paywall.*

- Wang, X-G., Hougardy, E., Nance, A. H., Hogg, B. N., Hoelmer, K. A., and Daane, K. M. 2019. *Potential competitive outcomes among three solitary larval endoparasitoids as candidate agents for classical biological control of Drosophila suzukii*. Biological Control 130: 18-26. https://doi.org/10.1016/j.biocontrol.2018.12.003. *Paywall.*

Journal articles: chemical controls (spinosyn and other NOP-allowed pesticide sprays) and SWD pesticide resistance

- Ganjisaffar, F., Gress, B.E., Demkovich, M.R., Nicola, N.L., Chiu, J.C., Zalom, F.G. 2022. *Spatio-temporal variation of spinosad susceptibility in Drosophila suzukii, a three-year study in California's Monterey Bay region*. Journal of Economic Entomology 115(4): 972980. https://doi.org/10.1093/jee/toac011. *Open access.*
- Fanning, P., Lanka, S., Mermer, S., Collins, J., Van Timmeren, S., Andrews, H., Hesler, S., Loeb, G., Drummond, F., Wiman, N., Walton, V., Sial, A., & Isaacs, R. 2021. *Field and laboratory testing of feeding stimulants to enhance insecticide efficacy against spotted-wing drosophila, Drosophila suzukii (Matsumura).* Journal of Economic Entomology 114(4). https://doi.org/10.1093/jee/toab084. *Open access.*
- Van Timmeran, S., Fanning, P. D., Schöneberg, T., Hamby, K., Lee, J. & Isaacs, R. 2020. *Exploring the efficacy and mechanisms of a crop sterilant for reducing infestation by Spotted-Wing Drosophila, Drosophila suzukii.* J Econ Ent 113: 288-298. https://doi.org/10.1093/jee/toz245. *Paywall.*
- Gress, B.E., F.G. Zalom. 2019. *Identification and risk assessment of spinosad resistance in a California population of Drosophila suzukii*. Pest Manag. Sci.75(5): 1270-1276. https://doi.org/10.1002/ps.5240. *Paywall.*
- Van Timmeren, S., Sial, A., Isaacs, R. 2019 *Development of a rapid assessment method for detecting insecticide resistance in spotted wing Drosophila (Drosophila suzukii Matsumura)*. Pest Management Science 17. https://doi.org/10.1002/ps.5341. *Paywall.*
- Sial, A.A., Roubos, C.R., Gautam, B.K., Fanning, P.D., Van Timmeren, S., Spies, J., Petran, A., Rogers, M.A., Liburd, O.E., Little, B.A., Curry, S., and Isaacs, R. 2019. *Evaluation of organic insecticides for management of spotted wing drosophila (Drosophila suzukii) in berry crops*. Journal of Applied Entomology 143, 593-608. https://doi.org/10.1111/jen.12629. *Paywall.*
- Sarkar, N., Rhodes, E.M., Spies, J., Roubos, C.R., Little, B.A., Sial, A.A., Fanning, P.D., Isaacs, R., and Liburd, O.E. 2019. *Evaluation of non-target effects of OMRI-listed insecticides for management of Drosophila suzukii Matsumura in berry crops*. Journal of Applied Entomology 144, 12-25. https://doi.org/10.1111/jen.12713. *Paywall.*
- Roubos, C., Gautam, B.K., Fanning, P.D., Van Timmeren, S., Spies, J., Liburd, O.E., Isaacs, R., Curry, S., Little, B.A., and Sial, A.A. 2019. *Evaluation of adjuvants to improve control of spotted-wing drosophila in organic fruit production*. Journal of Applied Entomology 143, 706-720. https://doi.org/10.1111/jen.12638. *Paywall.*
- Roubos, C.R., Gautam, B.K., Fanning, P.D., Van Timmeren, S., Spies, J., Liburd, O.E., Isaacs, R., Curry, S., Little, B.A. and Sial, A.A. 2019. *Impact of phagostimulants on effectiveness of OMRI-listed insecticides used for control of spotted-wing drosophila (Drosophila suzukii Matsumura).* Journal of Applied Entomology 143, 609-625. https://doi.org/10.1111/jen.12620. *Paywall.*

- DiGiacomo, G., Gullickson, M. G., Rogers, M., Peterson, H. H., & Hutchison, W. D. 2021. *Partial budget analysis of exclusion netting and organic-certified insecticides for management of Spotted-Wing Drosophila (Diptera: Drosophilidae) on small farms in the upper Midwest*. Journal of Economic Entomology. https://doi.org/10.1093/jee/toab087. *Paywall.*

Journal articles: biology, ecology, and genetics of SWD, its host plants, and its natural enemies

- Elsensohn, J.E. and H.J. Burrack. 2023. *Plasticity in oviposition and foraging behavior in the invasive pest Drosophila suzukii across natural and agricultural landscape*. Ecology and Evolution. https://doi.org/10.1002/ece3.9713. *Open access.*
- Grant, J. A., & Sial, A. A. 2021. *Evaluation of wild flora surrounding blueberry fields as viable hosts of Drosophila suzukii (Matsumura, 1931) (Diptera: Drosophilidae) in Georgia*. Insects, 12(8), 667. https://doi.org/10.3390/insects12080667. *Open access.*
- Urbaneja-Bernat, P., Cloonan, K., Zhang, A., Salazar-Mendoza, P., and Rodriguez-Saona, C. 2021. *Fruit volatiles mediate differential attraction of Drosophila suzukii to wild and cultivated blueberries*. Journal of Pest Science 94: 12491263. https://doi.org/10.1007/s10340-021-01332-z. *Paywall.*
- Elsensohn, J., M.F.K. Aly, C. Schal, H.J. Burrack. 2021. *Context-dependent social signals guide oviposition site selection in Drosophila suzukii.* Scientific Reports. 11: 3796. https://doi.org/10.1038/s41598-021-83354-2. *Open access.*
- Citation: Lewald, K.M., A. Abrieux, D.A. Wilson, Y. Lee, W. Conner, F. Andreazza, E.H. Beers, H.J. Burrack, K.M. Daane, L. Diepenbrock, F. Drummond, P.D. Fanning, M. Gaffney, S.P. Hesler, C. Ioriatti, R. Isaacs, B,A. Little, G.M. Loeb, B. Miller, D. Nava, D. Rendon, A.A. Sial, C.D. Silva, D.G. Stockton, S. Van Timmeren, V.M. Walton, A. Wallingford, X. Wang, B. Zhao, F.G. Zalom, and J.C. Chiu. 2021. *Population genomics of Drosophila suzukii reveal longitudinal population structure and signals of migrations in and out of the continental United States*. G3: Genes, Genomes, Genetics 11: https://doi.org/10.1093/g3journal/jkab343. *Open access.*
- Urbaneja-Bernat, P., Polk, D., Sanchez-Pedraza, F., Benrey, B., Salamanca, J., and Rodriguez-Saona, C. 2020. *Non-crop habitats serve as a potential source of spotted-wing drosophila (Diptera: Drosophilidae) to adjacent cultivated highbush blueberries*. The Canadian Entomologist 152: 474489. Special Issue on The spotted-wing drosophila, Drosophila suzukii (Diptera: Drosophilidae). https://doi.org/10.4039/tce.2020.2. *Paywall.* Try to obtain full article – trials in NJ, abstract says the wild plants are highly attractive and hospitable to SWD (> cultivated blueberries!) but does not name the species. (Oregon SU bulletin discusses non-crop hosts- in the PNW).
- Urbaneja-Bernat, P., Waller, T., and Rodriguez-Saona, C. 2020. *Repellent, oviposition-deterrent, and insecticidal activity of the fungal pathogen Colletotrichum fioriniae on Drosophila suzukii (Diptera: Drosophilidae) in highbush blueberries.* Scientific Reports 10, 14467. https://doi.org/10.1038/s41598-020-71341-y. *Open access.*
- Tait, G., K. Park, R. Nieri, M. C. Crava, S. Mermer, E. Clappa, G. Boyer, D. T. Dalton, S. Carlin, L. Brewer, V. M. Walton, G. Anfora, and M. V. Rossi-Stacconi. 2020. *Reproductive Site Selection: Evidence of an Oviposition Cue in a Highly Adaptive Dipteran, Drosophila suzukii (Diptera: Drosophilidae).* Environ. Entomol. https://doi.org/10.1093/ee/nvaa005. *Open access.*

Commented [MS1]: Plasticity discussed in relation to SWD behavior in wild vs cultivated blackberries in Appalachian region of North Carolina

- Silva, Cherre Sade Bezerra Da, Park, K.R., Blood, R.A., Walton, V.M., 2019. *Intraspecific Competition Affects the Pupation Behavior of Spotted-Wing Drosophila (Drosophila suzukii).* Scientific Reports 9, 7775. https://doi.org/10.1038/s41598-019-44248-6. *Open access.*
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