References

Aldridge, R. L., Golden, F. V., Britch, S. C., Blersch, J., & Linthicum, K. J. (2018). Truck-Mounted Natular 2Ec (Spinosad) Ulv Residual Treatment In A Simulated Urban Environment To Control Aedes Aegypti And Aedes Albopictus In North Florida. *Journal of the American Mosquito Control Association, 34*(1), 53-57. doi:10.2987/17-6697r.1

Asturias, E. J. (2018). Uncovering the Spectrum of Postnatal Zika Infection in Children. *JAMA Pediatrics, 172*(7), 624. doi:10.1001/jamapediatrics.2018.0921

Barber, J. A., Greer, M., & Coughlin, J. (2007). Field Tests Of Malathion And Permethrin Applied Via A Truck-Mounted Cold Fogger To Both Open And Vegetated Habitats. *Journal of the American Mosquito Control Association, 23*(1), 55-59. doi:10.2987/8756-971x(2007)23[55:ftomap]2.0.co;2

Bonds, J. A. (2012). Ultra-low-volume space sprays in mosquito control: A critical review. *Medical and Veterinary Entomology, 26*(2), 121-130. doi:10.1111/j.1365-2915.2011.00992.x

Bradberry, S. M., Cage, S. A., Proudfoot, A. T., & Vale, J. A. (2005). Poisoning due to Pyrethroids. *Toxicological Reviews, 24*(2), 93-106. doi:10.2165/00139709-200524020-00003

Carney, R. M., Husted, S., Jean, C., Glaser, C., & Kramer, V. (2008). Efficacy of Aerial Spraying of Mosquito Adulticide in Reducing Incidence of West Nile Virus, California, 2005. *Emerging Infectious Diseases, 14*(5), 747-754. doi:10.3201/eid1405.071347

Castro, L., Chen, X., Dimitrov, N. B., & Meyers, L. A. (2015, June 30). *Texas Arbovirus Risks* [Scholarly project]. In *The University of Texas at Austin, Texas Scholar Works, University of Texas Libraries*. Retrieved from https://repositories.lib.utexas.edu/bitstream/handle/2152/31934/Contract-2015-047259-001-report.pdf?sequence=2&isAllowed=y

Castro, L. A., Fox, S. J., Chen, X., Liu, K., Bellan, S. E., Dimitrov, N. B., . . . Meyers, L. A. (2017, May 4). Assessing real-time Zika risk in the United States. *BMC Infectious Diseases.* doi:10.1186/s12879-017-2394-9

Chikungunya. (n.d.). Retrieved from https://www.who.int/en/news-room/fact-sheets/detail/chikungunya

Curtis, A., Ye, X., Heob, E., Targhetta, J., Salvato, V., Reyna, M., . . . Holmes, L. (2014). A comparison of three approaches to identify West Nile Virus mosquito space-time hotspots in the Houston Vicinity for the period 2002–2011. *Applied Geography, 51*, 58-64. doi:10.1016/j.apgeog.2014.02.003

Davis, J. K., Vincent, G., Hildreth, M. B., Kightlinger, L., Carlson, C., & Wimberly, M. C. (2017). Integrating Environmental Monitoring and Mosquito Surveillance to Predict Vector-borne Disease: Prospective Forecasts of a West Nile Virus Outbreak. *PLoS Currents*. doi:10.1371/currents.outbreaks.90e80717c4e67e1a830f17feeaaf85de

Davis, R., Peterson, R., & Macedo, P. (2007). An Ecological Risk Assessment for Insecticides Used in Adult Mosquito Management. *Integrated Environmental Assessment and Management, Preprint*(2007), 1. doi:10.1897/ieam_2006-053

Dengue and severe dengue. (n.d.). Retrieved from https://www.who.int/news-room/fact-sheets/detail/dengue-and-severe-dengue

Dennett, J. A., Stark, P. M., Fredregill, C. L., & Debboun, M. (2017). Efficacy of Deltagard®, Fyfanon®, and Evoluer™ 31-66 Against Culex quinquefasciatusIn Harris County, Texas. *Journal of the American Mosquito Control Association, 33*(1), 36-42. doi:10.2987/16-6617.1

Dennett, J. A., & Debboun, M. (2017, April 20). Case Study: Surveillance & Control Operations in Harris County, Texas. *PCT Magazine*. Retrieved August 9, 2018, from https://www.pctonline.com/article/case-study-surveillance--control-operations-in-harris-county-texas/

Duprey, Z., Rivers, S., Luber, G., Becker, A., Blackmore, C., Barr, D., . . . Rubin, C. (2008). Community Aerial Mosquito Control and Naled Exposure. *Journal of the American Mosquito Control Association, 24*(1), 42-46. doi:10.2987/5559.1

Faraji, A., Unlu, I., Crepeau, T., Healy, S., Crans, S., Lizarraga, G., . . . Gaugler, R. (2016). Droplet Characterization and Penetration of an Ultra-Low Volume Mosquito Adulticide Spray Targeting the Asian Tiger Mosquito, Aedes albopictus, within Urban and Suburban Environments of Northeastern USA. *Plos One, 11*(4). doi:10.1371/journal.pone.0152069

Faraji, A., & Unlu, I. (2016). The Eye of the Tiger, the Thrill of the Fight: Effective Larval and Adult Control Measures Against the Asian Tiger Mosquito,Aedes albopictus(Diptera: Culicidae), in North America. *Journal of Medical Entomology, 53*(5), 1029-1047. doi:10.1093/jme/tjw096

Farajollahi, A., Healy, S. P., Unlu, I., Gaugler, R., & Fonseca, D. M. (2012). Effectiveness of Ultra-Low Volume Nighttime Applications of an Adulticide against Diurnal Aedes albopictus, a Critical Vector of Dengue and Chikungunya Viruses. *PLoS ONE, 7*(11). doi:10.1371/journal.pone.0049181

Final Cumulative Maps and Data | West Nile Virus | CDC. (n.d.). Retrieved from https://www.cdc.gov/westnile/statsmaps/cumMapsData.html#one

Fredericks, A. C., & Fernandez-Sesma, A. (2015). The Burden of Dengue and Chikungunya Worldwide: Implications for the Southern United States and California. *Annals of Global Health, 80*(6), 466. doi:10.1016/j.aogh.2015.02.006

Geraghty, E. M., Margolis, H. G., Kjemtrup, A., Reisen, W., & Franks, P. (2013). Correlation between Aerial Insecticide Spraying to Interrupt West Nile Virus Transmission and Emergency Department Visits in Sacramento County, California. *Public Health Reports, 128*(3), 221-230. doi:10.1177/003335491312800312

Goddard, J. (2016). Essential Facts About Mosquito Control and Zika Virus. *The American Journal of Medicine, 129*(11), 1149-1152. doi:10.1016/j.amjmed.2016.07.021

Grennell, A. (2018, August 07). CDC says 1 in 7 babies exposed to Zika have health problems. Retrieved from https://www.pbs.org/newshour/science/cdc-says-1-in-7-babies-exposed-to-zika-have-health-problems

Hotez, P. J. (2018). The rise of neglected tropical diseases in the "new Texas". *PLOS Neglected Tropical Diseases, 12*(1). doi:10.1371/journal.pntd.0005581

Information on Aerial Spraying | West Nile Virus | CDC. (n.d.). Retrieved August 13, 2018, from https://www.cdc.gov/westnile/vectorcontrol/aerial-spraying.html

Integrated Mosquito Management | West Nile Virus | CDC. (n.d.). Retrieved August 9, 2018, from https://www.cdc.gov/westnile/vectorcontrol/integrated_mosquito_management.html

Krueger, L., Sims, J., Morgan, T., Nguyen, K., Levy, L., Semrow, A., . . . Cummings, R. (2015). Lessons Learned from Investigating Suspected West Nile Virus Exposure Sites, Orange County, California, 2014. *Proceedings and Papers of the Mosquito and Vector Control Association of California, 83*, 89-93.

Macedo, P. A., Schleier, J. J., Reed, M., Kelley, K., Goodman, G. W., Brown, D. A., & Peterson, R. K. (2010). Evaluation of Efficacy and Human Health Risk of Aerial Ultra-Low Volume Applications of Pyrethrins and Piperonyl Butoxide for Adult Mosquito Management in Response to West Nile Virus Activity in Sacramento County, California. *Journal of the American Mosquito Control Association, 26*(1), 57-66. doi:10.2987/09-5961.1

Marini, L., Baseggio, A., Drago, A., Martini, S., Manella, P., Romi, R., & Mazzon, L. (2015). Efficacy of Two Common Methods of Application of Residual Insecticide for Controlling the Asian Tiger Mosquito, Aedes albopictus (Skuse), in Urban Areas. *Plos One, 10*(8). doi:10.1371/journal.pone.0134831

Martinez, D., Murray, K. O., Reyna, M., Arafat, R. R., Gorena, R., Shah, U. A., & Debboun, M. (2017). West Nile Virus Outbreak in Houston and Harris County, Texas, USA, 2014. *Emerging Infectious Diseases, 23*(8), 1372-1376. doi:10.3201/eid2308.170384

Meisch, M., Meek, J., Brown, C., Brown, R., Nunez, J., & Nunez, D. (1997). Field trial efficacy of two formulations of Permanone® against Culex quinquefasciatus and Anopheles quadrimaculatus. *Journal of the American Mosquito Control Association, 13*, 311-314.

Miyamoto, J. (1976). Degradation, metabolism and toxicity of synthetic pyrethroids. *Environmental Health Perspectives, 14*, 15-28. doi:10.1289/ehp.761415

Morbidity and Mortality Weekly Report (MMWR). (2018, August 07). Retrieved from http://www.cdc.gov/mmwr/volumes/67/wr/mm6731e1.htm

Mosquito Control: What You Need to Know About Truck Spraying. (n.d.). Retrieved August 13, 2018, from https://www.cdc.gov/zika/pdfs/truckmounted-factsheet.pdf

Mosquito Control: What You Need to Know About Using ... (n.d.). Retrieved August 13, 2018, from https://www.cdc.gov/zika/pdfs/adulticide-factsheet.pdf

Mosquito Control: What you need to know about using larvicides. (n.d.). Retrieved August 13, 2018, from https://www.cdc.gov/zika/pdfs/larvicides-factsheet.pdf

Mosquito Life-Cycle | Dengue | CDC. (n.d.). Retrieved August 9, 2018, from https://www.cdc.gov/dengue/entomologyecology/m_lifecycle.html

Mount, G. A. (1998). A Critical Review of Ultra Low Volume Aerosols of Insecticide Applied with Vehicle-Mounted Generators for Adult Mosquito Control. *Journal of the American Mosquito Control Association, 14*(3), 305-334.

National Center for Emerging and Zoonotic Infectious Diseases (NCEZID). (2018, May 01). Retrieved August 3, 2018, from https://www.cdc.gov/ncezid/dvbd/vital-signs/texas.html

National Center for Emerging and Zoonotic Infectious Diseases (NCEZID). (2018, May 01). Retrieved August 3, 2018, from https://www.cdc.gov/ncezid/dvbd/vital-signs/texas.html

Nava, M. R., & Debboun, M. (2016). A taxonomic checklist of the mosquitoes of Harris County, Texas. *Journal of Vector Ecology, 41*(1), 190-194. doi:10.1111/jvec.12212

Onorati, M., Li, Z., Liu, F., Sousa, A., Nakagawa, N., Li, M., . . . Sestan, N. (2016). Zika Virus Disrupts Phospho-TBK1 Localization and Mitosis in Human Neuroepithelial Stem Cells and Radial Glia. *Cell Reports, 16*(10), 2576-2592. doi:10.1016/j.celrep.2016.08.038

Oviatt, J. (2015). Changing Behaviors on Campuses and Country Clubs to Reduce Stagnant Water. *Proceedings and Papers of the Mosquito and Vector Control Association of California, 83*, 46-48.

Patterson, G. (2016). Looking Backward, Looking Forward: The Long, Torturous Struggle with Mosquitoes. *Insects, 7*(4), 56. doi:10.3390/insects7040056

Permethrin. (n.d.). Retrieved October 9, 2018, from http://npic.orst.edu/factsheets/PermGen.html

Peterson, R. K., Macedo, P. A., & Davis, R. S. (2006). A Human-Health Risk Assessment for West Nile Virus and Insecticides Used in Mosquito Management. *Environmental Health Perspectives, 114*(3), 366-372. doi:10.1289/ehp.8667

Peterson, R. K., Preftakes, C. J., Bodin, J. L., Brown, C. R., Piccolomini, A. M., & Schleier, J. J. (2016). Determinants of acute mortality ofHippodamia convergens(Coleoptera: Coccinellidae) to ultra-low volume permethrin used for mosquito management. *PeerJ, 4*. doi:10.7717/peerj.2167

Preftakes, C. J., Iii, J. J., & Peterson, R. K. (2011). Bystander Exposure to Ultra-Low-Volume Insecticide Applications Used for Adult Mosquito Management. *International Journal of Environmental Research and Public Health, 8*(6), 2142-2152. doi:10.3390/ijerph8062142

Presentation by Harris County Public Health Vector Control to the Spring Shadows Civic Association Mosquito Committee. (2018, September). Lecture presented at Presentation by Harris County Public Health Vector Control to the Spring Shadows Civic Association Mosquito Committee, Houston.

Prevention | West Nile Virus | CDC. (n.d.). Retrieved August 9, 2018, from https://www.cdc.gov/westnile/prevention/index.html

Regis, L. N., Acioli, R. V., Silveira, J. C., Melo-Santos, M. A., Souza, W. V., Ribeiro, C. M., . . . Furtado, A. F. (2013). Sustained Reduction of the Dengue Vector Population Resulting from an Integrated Control Strategy Applied in Two Brazilian Cities. *PLoS ONE, 8*(7). doi:10.1371/journal.pone.0067682

Rinkevich, F., Margotta, J., Pokhrel, V., Walker, T., Vaeth, R., Hoffman, W., . . . Healy, K. (2017). Limited impacts of truck-based ultra-low-volume applications of mosquito adulticides on mortality in honey bees (Apis mellifera). *Bulletin of Entomological Research, 107*(06), 724-733. doi:10.1017/s0007485317000347

Ruktanonchai, D. J., Sidwa, T., Delorey, M., Biggerstaff, B. J., Pillai, S. K., Nasci, R., . . . Hills, S. L. (2014). Effect of Aerial Insecticide Spraying on West Nile Virus Disease—North-Central Texas, 2012. *The American Journal of Tropical Medicine and Hygiene, 91*(2), 240-245. doi:10.4269/ajtmh.14-0072

Sarles, M. P., & Vandegrift, W. B. (1952). Chronic Oral Toxicity and Related Studies on Animals with the Insecticide and Pyrethrum Synergist, Piperonyl Butoxide. *The American Journal of Tropical Medicine and Hygiene, 1*(5), 862-883. doi:10.4269/ajtmh.1952.1.862

Schleier, J., Peterson, R., Macedo, P., & Brown, D. (2007). Environmental Concentrations, Fate, And Risk Assessment Of Pyrethrins And Piperonyl Butoxide After Aerial Ultra-Low-Volume Applications For Adult Mosquito Management. *Environmental Toxicology and Chemistry, Preprint*(2008), 1. doi:10.1897/07-532

Schleier, J. J., & Peterson, R. K. (2009). Deposition and Air Concentrations of Permethrin and Naled Used for Adult Mosquito Management. *Archives of Environmental Contamination and Toxicology, 58*(1), 105-111. doi:10.1007/s00244-009-9353-4

Schleier, J. J., & Peterson, R. K. (2010). Toxicity and risk of permethrin and naled to non-target insects after adult mosquito management. *Ecotoxicology, 19*(6), 1140-1146. doi:10.1007/s10646-010-0497-9

Smith, G., Brand, C. J., & Saito, E. (1994, January 01). USGS West Nile Virus Research Strategy. Retrieved from https://pubs.er.usgs.gov/publication/fs20043002

Stark, P. M., Fredregill, C. L., Nolan, M. S., & Debboun, M. (2017). Field cage insecticide resistance tests against Culex quinquefasciatus Say (Diptera: Culicidae) in Harris County, Texas, U.S.A. *Journal of Vector Ecology, 42*(2), 279-288. doi:10.1111/jvec.12268

Success in Mosquito Control: An Integrated Approach. (2016, October 11). Retrieved August 7, 2018, from https://www.epa.gov/mosquitocontrol/success-mosquito-control-integrated-approach

Sun, D., Williges, E., Unlu, I., Healy, S., Williams, G. M., Obenauer, P., . . . Farajollahi, A. (2014). Taming a Tiger in the City: Comparison of Motorized Backpack Applications and Source Reduction Against the Asian Tiger Mosquito,Aedes albopictus. *Journal of the American Mosquito Control Association, 30*(2), 99-105. doi:10.2987/13-6394.1

Symptoms, Diagnosis, & Treatment | West Nile Virus | CDC. (n.d.). Retrieved August 9, 2018, from https://www.cdc.gov/westnile/symptoms/index.html

Texas Department of State Health Services. (n.d.). West Nile Virus In Texas. Retrieved August 3, 2018, from https://dshs.texas.gov/idcu/disease/arboviral/westnile/

Texas Department of State Health Services. (n.d.). DSHS Arbovirus Weekly Activity Reports. Retrieved December 18, 2018, from https://dshs.texas.gov/idcu/disease/arboviral/westNile/reports/weekly/

Tickborne Diseases of the United States | Tick-borne Diseases | Ticks | CDC. (n.d.). Retrieved August 3, 2018, from https://www.cdc.gov/ticks/tickbornediseases/index.html

Unlu, I., Faraji, A., Williams, G. M., Marcombe, S., Fonseca, D. M., & Gaugler, R. (2018). Truck-mounted area-wide applications of larvicides and adulticides for extended suppression of adult Aedes albopictus. *Pest Management Science*. doi:10.1002/ps.5227