

Curriculum Vitae

VINCENT P. JONES

Professor of Entomology
Department of Entomology, Washington State University
Tree Fruit Research and Extension Center, 100 N. Western Ave
Wenatchee, WA 98801
email: vpjones@wsu.edu

Educational Background:

- Ph.D. – University of California at Riverside, Entomology (1983)
- M.S. – University of California at Riverside, Entomology (1982)
- B.S. – San Diego State Univ., Biology, w/honors (1978)

Professional Society Memberships:

Entomological Society of America
Gamma Sigma Delta
Sigma Xi

Honors:

- *C. W. Woodworth Award 2013*. (Achievement in Entomology in the Pacific Branch over the past 10 or more years). Pacific Branch of Entomological Society of America
- *Team Interdisciplinary Award 2013* (Team leader and member) Washington State University, College of Agriculture, Human and Natural Resource Sciences.
- *Integrated Pest Management Team Award 2005* (member), Pacific Branch of Entomological Society of America.
- *Recognition Award for Excellence in Integrated Pest Management 2004*, Entomological Society of America (national award)
- *Excellence in Integrated Pest Management 2004*, Pacific Branch of the Entomological Society of America
- *Distinguished Achievement Award in Integrated Pest Management 1995*, Pacific Branch of Entomological Society of America
- *Alumni Award of Merit 1993*, Gamma Sigma Delta, Univ. California Riverside Chapter
- *Outstanding Teacher 1991*, Gamma Sigma Delta, Univ. Hawaii Chapter

Positions Held:

- Emeritus Professor of Entomology, June 2021-current
- Director, WSU-Decision Aid System (decisionaid.systems) 2014– Jan 2021.

- Professor of Entomology, Washington State University. 2006–May 2021.
- Associate Professor of Entomology, Washington State University 2002–2006
- Assistant Professor of Entomology, Washington State University, Sept. 2000 – June 2002
- Professor of Entomology, Univ. Hawaii at Manoa 1996-2000
- Associate Professor of Entomology, Univ. Hawaii at Manoa. 1991–1996
- Assistant Professor of Entomology, Univ. Hawaii at Manoa. 1988–1991
- Assistant Professor of Biology, Utah State Univ. 1985–1988
- Post-Doctoral Research Scientist, Univ. California at Riverside. 1983–1985
- Graduate Research Assistant, Univ. California at Riverside. Jan. 1980 - May 1983

Areas of Research Activity:

Insect population dynamics, orchard IPM, development and implementation of decision support systems, insect behavior, biological control, effect of introduced pests on ecosystems, mechanisms of mating disruption, effect of climate change on IPM programs.

Grant Experience

(Last 5 yr. \$3.3M, \$19.9 M total)

2018

Rajagopalan K., VP Jones, L Kalcsits, C Stockle, M Keller, C Kruger. Decision support for managing climate risks in tree-fruit and grapes. WSDA/USDA Specialty Crop Block Grant 2018-2021. \$249,965.

Rajagopalan, K., VP Jones, L Kalcsits, U Chambers, C. Stockle. Decreased winter chill: risks and implications for Northwest tree-fruit producers. USDA-Western Extension Risk Management Education program. \$49,892.

2017

Jones VP, D Crowder, R Orpet, U Chambers. Evaluating and improving biological control of WAA.

Curriculum Vitae

Wash. Tree Fruit Res. Commission. \$228,512 (2017-2019).

Jones VP, U Chambers, T Schmidt. Developing and validating models for tree fruit. Wash. Tree Fruit Res. Commission. \$301,634 (2017-2019).

Jones VP, 2016. Optimizing control for leafrollers and western tentiform leafminer. Wash. Tree Fruit Res. Commission. \$244,819 (2017-2019).

Rajagopalan K, **VP Jones**, U Chambers, T Coffey, M Liu, SA Hall, G Yorgey, C Kruger. Building resilience of Northwest tree fruit to changing pest pressures under climate change. USDA Climate Hub Grant. \$70,000.

2016

Jones VP, D Crowder, C Wholeb, WE Snyder. Expanding the WSU Decision Support Systems in Potato and Tree Fruit. WSDA/USDA Specialty Crop Block Grant. \$243,023 (2016-2019).

DeGrandi-Hoffman G, **VP Jones**, T Schmidt. Development and validation of a precision pollination model. Wash. Tree Fruit Res. Commission. \$303,308 (2016-2018).

Jones VP. Develop needed modifications for implementation of the WSU-Decision Aid System for British Columbia Fruit Growers. Okanagan-Kootenay Sterile Insect Release Program. \$117,017 (2016-2017).

2015

Kruger C, **VP Jones**, G Yorgey. Catalyzing and coordinating Northwest agricultural research and extension efforts for food security in a changing climate (conference grant). USDA-NIFA \$39,688.

Jones VP, C O'Leary. Evaluating plant volatiles for augmenting biological control. Wash. Tree Fruit Res. Commission. \$112,147 (2015-2016).

Jones VP, C O'Leary. Spatial and temporal dynamics of attracting green lacewings to synthetic lures in apple orchards for pest suppression. WSU-BioAg Program. \$34,000 (2015).

Teaching Experience:

- Biological Control Short Course – Spring 2012. 2-day short course gave 3 one hour presentations and did the overall planning and organization.
- Pest Management Fruit School – 2-day intensive course in IPM for tree fruits, taught ≈45% of course, designed overall program Jan. 2006.
- Measuring Populations in Orchards (Ento 376-WSU, Winter 2001)
- General Entomology & Lab - 4 units (UH, Spring 89, Fall 89-92, 94-98)

- Integrated Pest Management & Lab - 4 units (UH, Spring 90-91, 1993-2000)
- Directed Readings – 1 unit (UH, Fall 92, Spring 99, Fall 99)
- Graduate Seminar - 1 unit (UH, Spring 1994)
- Theory and Practice of Biological Control - 3 units (USU, Winter 87)
- Publications, Presentations & Grants in the Life Sciences - 3 units (USU, Fall 87, 88)

Professional Articles, refereed (115 Total)

1. **Jones VP***. 2020. Using phenology models to estimate insecticide effects on population dynamics: examples from codling moth and obliquebanded leafroller. *J. Pest Management Sci.* <https://doi.org/10.1002/ps.6125>
2. Cohen A., CH Wohleb, S Rondon, K. D. Swisher Grimm, J Munyaneza, **VP Jones**, DW Crowder. 2020. Seasonal population dynamics of potato psyllid (Hemiptera: Trioziidae) in the Columbia River Basin. *Environ. Entomol.* 49(4) 974-982. <https://doi.org/10.1093/ee/nvaa068>
3. Orpet RJ, **VP Jones**, EH Beers, HP Reganold, JR Goldberger, DW Crowder. 2020. Perceptions and outcomes of conventional vs. organic apple orchard management. *Agriculture, Ecosystems and Environment* 289 (2020) 106723. <https://doi.org/10.1016/j.agee.2019.106723>
4. Orpet RJ, DW Crowder, **VP Jones**. 2019. Woolly apple aphid generalist predator feeding behavior assessed through video observation in an apple orchard. *J. Insect Behavior* 32(2): 153-163. <https://doi.org/10.1007/s10905-019-09722-z>
5. Orpet RJ, DW Crowder, **VP Jones**. 2019. Biology and management of European earwig in orchards and vineyards. *J. Int. Pest Management* 10(1):21,1-9. <https://doi.org/10.1093/jipm/pmz019>
6. Orpet RJ, JR Goldberger, DW Crowder, **VP Jones**. 2019. Field evidence and grower perceptions of the roles of an omnivore, European earwig, in apple orchards. *Biol. Control.* 132: 189-198. <https://doi.org/10.1016/j.biocontrol.2019.02.011>
7. Orpet RJ, **VP Jones**, JP Reganold, DW Crowder. 2019. Effects of restricting movement between root and canopy populations of woolly apple aphid. *PLOS-ONE* 14(5):e0216424. <https://doi.org/10.1371/journal.pone.0216424>
8. Yorgey G, C Kruger, S Hall, E Allen, E Whitefield, N Embertson, **VP Jones**, B Saari, K Rajagopalan, G Roesch-McNally, B Van Horne, J Abatzoglou, H P Collins, L Houston Twig, C Seavert. 2017. Northwest U.S. Agriculture in a changing climate: Collaboratively defined research

- and extension priorities. *Frontiers in Environmental Science* 5:1:20. doi: 10.3389/fenvs.2017.00052
9. Lichtenberg EM, CM Kennedy, C Kremen, P Batiary, F Berendse, R Bommarco, NA Bosque-Perez, LG Carvalheiro, WE Snyder, NM Williams, R Winfree, BK Klatt, S Astrom, F Benjamin, C Brittain, R Chaplin-Kramer, Y Clough, H Connelly, B Danforth, T Diekotter, SD Eigenbrode, J Ekroos, E Elle, BM Freitas, Y Kukuda, HR Gaines-Day, C Gratton, A Holzschuh, R Isaacs, M Isaia, S Jha, D Jonason **VP Jones**, AM Klein, J Krauss, DK Letourneau, S Macfadyen ER Mallinger EA Martin, E Martinez, J Memmott, L Morandin, L Neame, M Otieno, MG Park, L Pffner, M Popcock, C Ponce, SG Potts, K Poveda, M Ramos, JA Rosenheim, M Rundloff, H Sardinas, ME Sanders, ML Schon, AR Sciligo, CS Sidhu, I Steffan-Dewenter, T Tschamtker, M Vesey, WW Weisser, JK Wilson, DW Crowder. A global synthesis of the effects of diversified farming systems on arthropod diversity within fields and across agricultural landscapes. *Global Climate Change Biology* 23:4946-4957. Doi: 10.1111/gcb.13714
 10. Blaauw BR, **VP Jones**, AL Nielsen. 2016. Utilizing immunomarking techniques to track *Halyomorpha halys* (Hemiptera: Pentatomidae) movement and distribution within a peach orchard. *PeerJ* 4:e1997; DOI 10.7717/peerj.1997
 11. **Jones VP***, NJ Mills, JF Brunner, DR Horton, EH Beers, TR Unruh, PW Shearer, JD Goldberger, S Castagnoli, N Lehrer, E Miliczky, SA Steffan, KG Amarasekare, U Chambers, AN Gadino, RK Gallardo, WE Jones. 2016. From planning to execution to the future: An overview of a concerted effort to enhance biological control in apple, pear, and walnut orchards in the western U.S. *Biological Control, Special Issue* 102:1-6. doi:10.1016/j.biocontrol.2016.03.013
 12. **Jones VP***, DR Horton, NJ Mills, TR Unruh, CC Baker, TD Melton, E. Miliczky, SA Steffan, PW Shearer, KG Amarasekare. 2016. Evaluating plant volatiles for monitoring natural enemies in apple, pear and walnut orchards. *Biological Control, Special Issue* 102:53-65. doi:10.1016/j.biocontrol.2015.03.009
 13. **Jones VP***, DR Horton, NJ Mills, TR Unruh, E Miliczky, PW Shearer, KG Amarasekare, CC Baker, TD Melton. 2016. Using Plant Volatile Traps to Develop Phenology Models for Natural Enemies: An example using *Chrysopa nigricornis* (Burmeister) (Neuroptera: Chrysopidae). *Biological Control, Special Issue* 102:77-84. <http://dx.doi.org/10.1016/j.biocontrol.2014.12.012>
 14. Mills NJ, **VP Jones**, CC Baker, TD Melton, SA Steffan, TR Unruh, DR Horton, PW Shearer, KG Amarasekare, E. Miliczky. 2016. Using plant volatile traps to estimate the diversity of natural enemy communities in orchard ecosystems. *Biological Control, Special Issue* 102:66-76. dx.doi.org/10.1016/j.biocontrol.2016.05.001
 15. Shearer PW, KG Amarasekare, SP Catagnoli, EH Beers, **VP Jones**, NJ Mills. 2016. Large-plot field studies to assess impacts of newer insecticides on non-target arthropods in Western U.S. Orchards. *Biological Control, Special Issue* 102:26-34. dx.doi.org/10.1016/j.biocontrol.2016.05.004
 16. Unruh TR, ER Miliczky, DR Horton, K Thomsen-Archer, L. Ray, **VP Jones**. 2016. Gut content analysis of arthropod predators of codling moth in Washington apple orchards. *Biological Control, Special Issue* 102:85-92. doi:10.1016/j.biocontrol.2016.05.014
 17. Gadino AN, JF Brunner, U Chambers, WE Jones, S Castagnoli, **VP Jones**. 2016. A perspective on the extension of research-based information to orchard management decision-makers: lessons learned and potential future directions. *Biological Control, Special Issue* 102:121-127. dx.doi.org/10.1016/j.biocontrol.2015.11.013
 18. Chambers U, **VP Jones**. 2015. Effect of over-tree evaporative cooling in orchards on microclimate and accuracy of insect model predictions. *Environ. Entomol.* 44:1627-1633. DOI: <http://dx.doi.org/10.1093/ee/nvv137>
 19. Steffan SA, Y Chikaraishi, DR Horton, E. Miliczky, JE Zalapa, **VP Jones**, N. Ohkouchi. 2015. Beneficial or not? Decoding carnivore roles in plant protection. *Biological Control* 91:34-41. dx.doi.org/10.1016/j.biocontrol.2015.07.002
 20. Peck GW, HJ Ferguson, **VP Jones**, SD O'Neal, DB Walsh. 2014. Use of a highly sensitive immunomarking system to characterize face fly (Diptera: Muscidae) dispersal from cow pats. *Environ. Entomol.* 43(1): 116-122.
 21. Steffan SA, Y Chikaraishi, DR Horton, N Ohkouchi, ME Singleton, EJ Bosak, E Miliczky, DB Hogg, **VP Jones**. 2013. Trophic hierarchies unmasked via amino acid isotopic analysis. *PLOS ONE* 8: 1-10.
 22. **Jones VP***, R Hilton, JF Brunner, WJ Bentley, DG Alston, B Barrett, RA Van Steenwyk, LA Hull, JF Walgenbach, WW Coates, TJ Smith. 2013. Predicting emergence of codling moth, *Cydia pomonella* (Lepidoptera: Tortricidae) on a

- degree-day scale in North America. *Pest Management Sci.* 69:1393-98. DOI 10.1002/ps.3519
23. **Jones VP***, NG Wiman. 2013. Age-based mating success in codling moth and obliquebanded leafroller. *J. Insect Sci.* 13: 34. available online: http://www.insectscience.org/JIS_new_template/13.34_Jones/i1536-2442-13-34.pdf
 24. Wiman NG, **VP Jones**. 2013. Attack biology and egg maturation strategy of two tachinid parasitoids of leafroller (Lepidoptera: Tortricidae) pests in tree fruit. *Ann. Entomol. Soc. Amer.* 106: 485-490.
 25. NG Wiman, **VP Jones**. 2013. Influence of oviposition strategy of *Nemorilla pyste* and *Nilea erecta* (Diptera: Tachinidae) on parasitoid fertility and host mortality. *Biol. Control* 64:195-202. <http://dx.doi.org/10.1016/j.biocontrol.2012.12.008>
 26. Horton DR, E. Miliczky, **VP Jones**, C Baker, TR Unruh. 2012. Diversity and phenology of the generalist predator community in apple orchards of Central Washington State (Insecta, Araneae) *Can. Entomol.* 144: 691-710.
 27. **Jones VP***, NG Wiman 2012. Modeling the interaction of physiological time, seasonal weather patterns, and delayed mating on population dynamics of codling moth, *Cydia pomonella* (L.) (Lepidoptera: Tortricidae). *Popul. Ecology* 54: 421-429.
 28. Unruh TR, RS Phannenstiel, C Peters, JF Brunner, **VP Jones**. 2012. Parasitism of leafrollers in Washington fruit orchards is enhanced by perimeter plantings of rose and strawberry. *Biol. Control.* 62: 162-172.
 29. **Jones VP***, TD Melton, CC Baker. 2011. Optimizing immunomarking systems and development of a new marking system based on wheat. *J. Insect Sci.* 11:87. Available online at: insectscience.org/11.87
 30. **Jones VP***, SA Steffan, NG Wiman, DR Horton, E Miliczky, QH Zhang, CC Baker. 2011. Evaluation of herbivore-induced plant volatiles for monitoring green lacewings in Washington apple orchards. *Biol. Control.* 56: 98-105.
 31. Krupke, CH, **VP Jones**, JF Brunner. 2011. Evaluating aggregation membership and copulatory success in the stinkbug, *Euschistus conspersus*, using field and laboratory experiments. *J. Insect Sci.* 11:2. Available online at: insectscience.org/11.2
 32. Singh, S, M Bergerman, J Cannons, B Grocholsky, B Hamner, G Holguin, L Hull, **V Jones**, G Kantor, H Koselka, G Li, J Owen, J Park, W Shi, J Teza. 2010. Comprehensive automation of specialty crops: Year 1 results and lessons learned. *Intel. Serv. Robotics.* 3: 245-262.
 33. **Jones VP***, SA Steffan, LA Hull, JF Brunner, DJ Biddinger. 2010. Effects of the loss of organophosphate pesticides in the US: Opportunities and needs to improve IPM programs. *Outlooks in Pest Management* (invited paper) 21:161-166
 34. **Jones VP***, JF Brunner, GG Grove, B Petit, GV Tangren, WE Jones. 2010. A web-based decision support system to enhance IPM programs in Washington tree fruit. *Pest Management Sci.* 66:587-595.
 35. JR Hagler, **Jones VP**. 2010. A protein-based approach to mark arthropods for mark-capture type research. *Entomol. Exper. et Applic.* 135-177-192.
 36. Grieshop MJ, JF Brunner, **VP Jones**, NM Bello. 2010. Recapture of codling moth males: influence of lure type and pheromone background. *J. Econ. Entomol.* 103: 1242-1249.
 37. **Jones VP***, TR Unruh, DR Horton, NJ Mills, JF Brunner, EH Beers, PW Shearer. 2009. Tree fruit IPM programs in the Western United States: the challenge of enhancing biological control through intensive management. *Pest Management Sci. In Focus* article. 65: 1305-1310.
 38. Horton, DR, **VP Jones**, TR Unruh. 2009. Use of a new immunomarking method to assess movement by generalist predators between a cover crop and tree canopy in a pear orchard. *Am. Entomol.* 55:49-56.
 39. **Jones VP***, M Doerr, JF Brunner. 2008. Is biofix necessary for predicting codling moth emergence in Washington State apple orchards? *J. Econ. Entomol.* 101: 1651-57.
 40. **Jones VP***, NG Wiman, JF Brunner. 2008. Comparison of the effect of delayed female mating on reproductive biology of codling moth and obliquebanded leafroller. *Env. Entomol.* 37: 679-684.
 41. **Jones VP***, NG Wiman. 2008. Longevity of adult codling moth and obliquebanded leafroller in Washington apple orchards. *J. Insect Sci.* 8:14 available online: insectscience.org/8.14
 42. Krupke, CH, JF Brunner, **VP Jones**. 2008. Factors influencing mate choice in *Euschistus conspersus* Uhler (Heteroptera: Pentatomidae). *Env. Entomol.* 37: 192-197.

Curriculum Vitae

43. **Jones VP***, JR Hagler, JF Brunner, CC Baker, TD Wilburn. 2006. An inexpensive immunomarking technique for studying movement patterns of naturally occurring insect populations. *Env. Entomol. Forum* section 35:827-836.
44. Krupke, C. H., **VP Jones**, JF Brunner. 2006. Diel periodicity of *Euschistus conspersus* (Heteroptera: Pentatomidae) aggregation, mating, and feeding. *Ann. Entomol. Soc. Amer.* 99:169-174.
45. Doerr, MD, JF Brunner, **VP Jones**. 2005. Phenology of *Lacanobia subjuncta* (Lepidoptera: Noctuidae) in Washington and Oregon apple orchards. *J. Econ. Entomol.* 98: 2100-2106.
46. **Jones VP***, CC Eastburn, TD Wilburn, JF Brunner. 2005. Instar specific phenology of *Pandemis pyrusana* and *Choristoneura rosaceana* in Washington apple orchards. *J. Econ. Entomol.* 98:862-874
47. **Jones VP***, Doerr MD, Brunner JF, Baker CC, Wilburn TD, Wiman NG. 2005. A synthesis of the temperature dependent development rate for the obliquebanded leafroller, *Choristoneura rosaceana*. *J. Insect Sci.* 5:24, available online: www.insectscience.org/5.24
48. Tomaszewska, E, VR Hebert, JF Brunner, **VP Jones**. 2005. Volatile collection system for evaluating pheromone release from commercial solid matrix dispensers. *J. Ag. Chem. Soc.* 53: 2399-2405
49. MT Johnson, PA Follett, AD Taylor, **VP Jones***. 2005. Non-target impact of biological control and invasive species on the non-target native Hawaiian koa bug. *Oecologia* (Online First, <http://www.springerlink.com/index/10.1007/s00442-004-1754-5> paper version *Oecologia* 142: 529-540)
50. Beers, EH, **VP Jones***. 2004. Fixed precision sampling plans for white apple leafhopper, *Typhlocyba pomaria* McAtee (Homoptera: Cicadellidae) on apple. *J. Econ. Entomol.* 97: 1752-55.
51. Follett, PA, P Anderson-Wong, MT Johnson, **VP Jones***. 2003. Revegetation of fern dieback areas in Hawaiian forests and watersheds. *Pac. Sci.* 57: 347-357.
52. Doerr, MD, JF Brunner, **VP Jones**. 2002. Temperature-dependent development of *Lacanobia subjuncta* (Lepidoptera: Noctuidae). *Environ. Entomol.* 31 (6): 995-999.
53. ***Jones VP**, NN Finson, D Tsuda. 2002. Attraction of *Stoeberhinus testaceus* to oriental fruit moth pheromone. *Proc. Haw. Entomol. Soc. Sci. Notes Section* 35: 129-131.
54. ***Jones VP**, DM Westcott. 2002. The effect of seasonal changes on *Nezara viridula* (L.) (Hemiptera: Pentatomidae) and *Trissolcus basalus* (Hymenoptera: Scelionidae) in Hawaii. *Biol. Control* 23:115-120.
55. ***Jones VP**, DM Westcott, NN Finson, RK Nishimoto. 2001. Community structure and its effect on southern green stinkbug damage to macadamia (*Env. Entomol.* 30: 1028-1035)
56. ***Jones VP**, M Aihara-Sasaki 2001. Demographic analysis of delayed mating in mating disruption: a case study with *Cryptophelbia illepidata* (Butler) (Lepidoptera: Tortricidae). (*Forum section, J. Econ. Entomol.* 94: 785-792)
57. ***Johnson MT**, P Yang, J Huber, **VP Jones**. 2001. Egg parasitoids of *Sophonia rufofascia* (Homoptera: Cicadellidae) in Hawaii Volcanoes National Park. *Biological Control* 22: 9-15
58. Borth, WB, **VP Jones**, DE Ullman, JS Hu. 2001. Effects of synthetic cercropin analogs on *in vitro* growth of *Acholeplasma laidlawii*. *Antimicrobial agents and Chemotherapy* 45:1894-95.
59. ***Jones VP**, P Anderson-Wong, PA Follett, P Yang, JS Hu, D Westcot, DE Ullman. 2000. Feeding damage of the introduced leafhopper, *Sophonia rufofascia* (Homoptera: Cicadellidae), to plants in forests and watersheds of the Hawaiian Islands. *Environ. Entomol.* 29:171-180.
60. Follett PA, C Empey-Campora, **VP Jones**. 2000. Imidachlopid as a protectant from *Sophonia rufofascia* (Homoptera: Cicadellidae) for endangered plants in Hawaii. *Proc. Hawaiian Entomol. Soc.* 34: 199-201.
61. ***Follett PA**, J Duan, RH Messing, **VP Jones**. 2000. Parasitoid drift after biocontrol introductions: Re-examining Pandora's box. *Amer. Entomol.* 46: 82-94
62. ***Yang P**, PA Follett, **VP Jones**, D Foote. 2000. Oviposition behavior and egg parasitoids of *Sophonia rufofascia* (Homoptera: Cicadellidae) in Hawaii Volcanoes National Park. *Proc. Haw. Entomol. Soc.* 34: 135-139.
63. Borth WB, DE Ullman, **VP Jones**, F Zee, JS Hu. 1999. Elimination of phytoplasmas as causal agents of macadamia decline and non-ripening of papaya. *Trop. Agric. (Trinidad)* 76: 36-44.
64. ***Jones VP**, PA Follett, RM Messing, WB Borth, JS Hu, DE Ullman. 1998. Effect of *Sophonia rufofascia* (Homoptera: Cicadellidae) on guava

Curriculum Vitae

- production in Hawaii. J. Econ. Entomol. 91: 693-698.
65. *Shearer PW, **VP Jones**. 1998. Suitability of selected weeds and ground covers as host plants of *Nezara viridula* (L.) (Hemiptera: Pentatomidae). Proc. Haw. Entomol. Soc. 33:75-82.
 66. ***Jones VP**, CHM Tome, LC Caprio. 1997. Life tables for the koa seedworm (Lepidoptera: Tortricidae) based on degree-day demography. Environ. Entomol. 26: 1291-1298.
 67. *Varela LG, PW Shearer, **VP Jones**, H Riedl, SC Welter. 1997. Monitoring of insecticide resistance in *Phyllonorycter mespilella* (Lepidoptera: Gracillariidae) in four Western states. J. Econ. Entomol. 90: 252-260.
 68. *Shearer PW, **VP Jones**. 1996. Diel feeding pattern of southern green stinkbug (Hemiptera: Pentatomidae). Environ. Entomol. 25: 599-602.
 69. *Shearer PW, **VP Jones**. 1996. Suitability of macadamia nut as a host plant of *Nezara viridula* (Hemiptera: Pentatomidae). J. Econ. Entomol. 89: 996-1003.
 70. ***Jones VP**. 1995. Sampling plans for *Cryptophlebia* spp. (Lepidoptera: Tortricidae) attacking macadamia nuts and litchi in Hawaii. J. Econ. Entomol. 88: 1337-1342.
 71. Shearer PW, **VP Jones**, H Riedl. 1995. Diel-periodicity and circadian control of *Cryptophlebia illepidata* (Butler) (Lepidoptera: Tortricidae) oviposition. Environ. Entomol. 24: 1229-1333.
 72. ***Jones VP**. 1995. Reassessing the role of predators and *Trissolcus basalis* in biological control of Southern green stinkbug in Hawai'i. Bio. Control 5: 566-572.
 73. ***Jones VP**. 1994. Oviposition patterns of koa seedworm and litchi fruit moth (Lepidoptera: Tortricidae) on macadamia and litchi in Hawaii. J. Econ. Entomol. 87:1278-1284.
 74. *Shearer PW, LG Varela, H. Riedl, SC Welter, **VP Jones**. 1994. Topical pheromone trap assay for monitoring insecticide resistance of *Phyllonorycter elmaella* (Lepidoptera: Gracillariidae). J. Econ. Entomol. 87: 1441-1449.
 75. ***Jones VP**. 1994. Effect of feeding by *Cryptophlebia illepidata* (Butler) and *C. ombrodelta* (Lower) (Lepidoptera: Tortricidae) on macadamia nut abortion. J. Econ. Entomol. 87: 781-786.
 76. ***Jones VP**, LC Caprio. 1994. Southern green stinkbug feeding on macadamia: the relative importance of damage occurring in the canopy and on the ground. J. Econ. Entomol. 87: 431-435.
 77. *Delate KM, JW Armstrong, **VP Jones**. 1994. Postharvest control treatments for *Hypothenemus obscurus* (F.) (Coleoptera: Scolytidae) in macadamia nuts. J. Econ. Entomol. 87: 120-126.
 78. Varela LG, SC Welter, **VP Jones**, JF Brunner, H Riedl. 1993. Monitoring and characterization of insecticide resistance in codling moth (Lepidoptera: Tortricidae) in four Western states. J. Econ. Entomol. 86: 1-10.
 79. ***Jones VP**, LL Burnham-Larish, LC Caprio. 1992. Effect of harvest interval and cultivar on damage to macadamia nuts caused by *Hypothenemus obscurus* (F.) (Coleoptera: Scolytidae). J. Econ. Entomol. 85: 1878-1883.
 80. ***Jones VP**, LC Caprio. 1992. Damage estimates and population trends of insects attacking seven macadamia cultivars in Hawaii. J. Econ. Entomol. 85: 1884-1890.
 81. ***Jones VP**, AH Hara, C Hashimoto, R Rathman, JA McMurtry. 1992. Collections of the two spotted spider mite, *Tetranychus urticae* Koch (Acari: Tetranychidae), in the Hawaiian Islands. Proc. Haw. Ent. Soc. 31: 175-176.
 82. ***Jones VP**, DG Alston, DW Davis, JF Brunner, ME Shelton. 1991. Phenology of Western cherry fruit fly (Diptera: Tephritidae) in Utah & Washington. Ann. Ent. Soc. Am. 84: 488-492
 83. Messina FJ, DG Alston, **VP Jones**. 1991. Oviposition by the Western cherry fruit fly (Diptera: Tephritidae) in relation to host development. J. Kansas Ent. Soc. 64:197-208.
 84. ***Jones VP**. 1991. Binomial sampling plans for tentiform leafminer (Lepidoptera: Gracillariidae) on apple in Utah. J. Econ. Entomol. 84: 484-488.
 85. Smith SL, **VP Jones**. 1991. Alteration of apple maggot (Diptera: Tephritidae) adult emergence by cold period duration and rain. Environ. Entomol. 20: 44-47.
 86. ***Jones VP**. 1990. Developing sampling plans for spider mites: those that don't remember the past may have to repeat it. Forum section J. Econ. Entomol. 83: 1656-1664.
 87. Messina FJ, **VP Jones**. 1990. Relationship between fruit phenology and infestation by the apple maggot (Diptera: Tephritidae) in Utah. Ann. Entomol. Soc. Amer. 83: 742-752.
 88. ***Jones VP**. 1990. Does pesticide-induced activity of two-spotted spider mite (Acari: Tetranychidae) really contribute to population increases in orchards? J. Econ. Entomol. 83: 1847-1852.

Curriculum Vitae

89. ***Jones VP**. 1990. Sampling and dispersion of the two spotted spider mite (Acari: Tetranychidae) and the western orchard predatory mite (Acari: Phytoseiidae) on tart cherry. *J. Econ. Entomol.* 83: 1376-1380.
90. *Parrella MP, **VP Jones**, MS Malais, KM Heinz. 1989. Advances in sampling in ornamentals. *Fla. Entomol.* 72: 394-403.
91. ***Jones VP**, DW Davis. 1989. Evaluation of traps for apple maggot (Diptera: Tephritidae) populations associated with cherry and hawthorn in Utah. *Environ. Entomol.* 18: 521-525.
92. ***Jones VP**, DW Davis, SL Smith and D. Allred. 1989. Phenology of apple maggot associated with cherry and hawthorn in Utah. *J. Econ. Entomol.* 82: 788-792.
93. ***Jones VP**. 1988. Longevity of apple maggot attractants under laboratory and field conditions. *Environ. Entomol.* 17: 704-708.
94. Johnson MW, **VP Jones**, NC Toscano. 1987. Diel activity patterns of tobacco budworm, *Heliothis virescens* (F.) and cabbage looper, *Trichoplusia ni* (Hübner) larvae. *Environ. Entomol.* 16: 25-29.
95. Johnson MW, NC Toscano, **VP Jones**, JB Bailey. 1987. Modified ultrasonic actograph for monitoring activity of lepidopterous larvae. *Proc. Hawaiian Ent. Soc.* 27: 141-146.
96. *Parrella MP, **VP Jones**. 1987. The development of integrated pest management strategies in floricultural crops. *Bull. Ent. Soc. Amer.* 33: 28-34.
97. *Parrella MP, **VP Jones**, GD Christe. 1987. Feasibility of parasites for biological control of *Liriomyza trifolii* on commercially grown chrysanthemum. *Environ. Entomol.* 16: 832-837
98. ***Jones VP**, NC Toscano, MW Johnson, SC Welter, RR Youngman. 1986. Pesticide effects on plant physiology: incorporation into pest management systems. *Bull. Ent. Soc. Amer.* 32: 103-109.
99. ***Jones VP**, MP Parrella. 1986. Development of sampling strategies for larvae of *Liriomyza trifolii* (Diptera: Agromyzidae) in chrysanthemum. *Environ. Entomol.* 15: 268-273.
100. ***Jones VP**, MP Parrella. 1986. The movement and dispersal of *Liriomyza trifolii* (Diptera: Agromyzidae) in a chrysanthemum greenhouse. *Ann. Appl. Biol.* 109: 33-39.
101. *Youngman RR, **VP Jones**, SC Welter, MM Barnes. 1986. Comparison of the feeding damage caused by 4 tetranychid mite species on gas-exchange rates of almond leaves. *Environ. Entomol.* 15: 190-193.
102. ***Jones VP**, MP Parrella, DR Hodel. 1986. Biological control of leafminers in greenhouse chrysanthemum. *Calif. Agric.* 40: 10-12.
103. Youngman RR, NC Toscano, **VP Jones**, K Kido, ET Natwick. 1986. Correlations of the seasonal trap counts of *Bemisia tabaci* (Homoptera: Aleyrodidae) in southeastern California. *J. Econ. Entomol.* 79: 67-70.
104. *Parrella MP, **VP Jones**, RR Youngman, LM LeBeck. 1985. The effect of leaf mining and leaf stippling of *Liriomyza* sp. on photosynthetic rates of chrysanthemum. *Ann. Entomol. Soc. Amer.* 78: 90-93.
105. *Parrella MP, **VP Jones**. 1985. Yellow traps as monitoring tools for *Liriomyza trifolii* (Diptera: Agromyzidae) in chrysanthemum greenhouses. *J. Econ. Entomol.* 78: 53-56.
106. ***Jones VP**, MP Parrella. 1984. Intra-tree regression sampling plans for *Panonychus citri* (McGregor) (Acari: Tetranychidae) on lemons in southern California. *J. Econ. Entomol.* 77: 810-813.
107. ***Jones VP**, MP Parrella. 1984. Presence-absence sampling of citrus red mite on lemons in southern California. *Calif. Agric.* 38: 30-32.
108. ***Jones VP**, MP Parrella. 1984. Dispersion indices and sequential sampling plans for the citrus red mite, *Panonychus citri* (McGregor) (Acari: Tetranychidae). *J. Econ. Entomol.* 77: 75-79.
109. ***Jones VP**, MP Parrella. 1984. The sub-lethal effects of selected insecticides on life table parameters of *Panonychus citri* (Acari: Tetranychidae). *Can. Entomol.* 116: 1033-1040.
110. ***Jones VP**, JG Morse. 1984. A synthesis of temperature-dependent developmental studies done with the citrus red mite, *Panonychus citri* (McGregor) (Acari: Tetranychidae). *Fla. Entomol.* 67: 214-221.
111. *Parrella MP, **VP Jones**. 1984. Coping with the "leafminer crisis". *Calif. Agric.* 38: 17-19.
112. ***Jones VP**, MP Parrella. 1983. The compatibility of 6 citrus pesticides with *Euseius stipulatus* (Athias-Henroit) (Acari: Phytoseiidae) in Southern California. *J. Econ. Entomol.* 76: 942-944.
113. ***Jones VP**, RR Youngman, MP Parrella. 1983. Effect of selected acaricides on photosynthetic rates of orange and lemon leaves. *J. Econ. Entomol.* 76: 1178-1180.

Curriculum Vitae

114. ***Jones VP**, RD Brown. 1983. Reproductive responses of the broad mite, *Polyphagotarsonemus latus* (Banks) (Acari: Tarsonemidae), to constant temperature-humidity regimes. *Ann. Entomol. Soc. Amer.* 76: 466-469.
115. *Brown RD, **VP Jones**. 1983. The broad mite on lemons in southern California. *Calif. Agric.* 37: 21-22.
8. ***Jones VP**. 1993. Sampling. pp. 35-38. *In Orchard Pest Management*. EH Beers, JF Brunner, MJ Willett, GM Warner (eds.) Good Fruit Grower, Yakima, WA. 276 pp.
9. ***Jones VP**. 1993. Degree-day models. pp. 45-48. *In Orchard Pest Management*. EH Beers, JF Brunner, MJ Willett, GM Warner (eds.) Good Fruit Grower, Yakima, WA. 276 pp.

Book Chapters: (12 total)

1. Hebert VR, E Tomaszewska, JF Brunner, **VP Jones**, MD Doerr. 2006. Evaluating the pheromone release rate characteristics of commercial mating disruption devices. pp. 144-157. *In Crop Protection Products for Organic Agriculture. Environmental, Health, and Efficacy Assessment*. Felsot, A.S., K. D. Racke (ed.); American Chemical Society Symposium Series 947, Am. Chem. Soc., Washington, DC.
2. Brunner JF, JE Dunley, EH Beers, **VP Jones**. 2006. Building a multi-tactic biologically intensive pest management system for Washington orchards. pp. 131-143. *In Crop Protection Products for Organic Agriculture. Environmental, Health, and Efficacy Assessment*. Felsot, A.S., K. D. Racke (ed.); American Chemical Society Symposium Series 947, Washington, DC.
3. ***Jones VP**. 2002. Tactics. pp. 829-830. *In Encyclopedia of Pest Management*. D. Pimentel (ed.). Marcel Dekker, Inc. NY, NY. 929 pp.
4. *Follett PA, M T Johnson, **VP Jones**. 2000. Parasitoid drift in Hawaiian pentatomids. pp. 77-93. *In Nontarget effects of biological control*. PA Follett and J. Duan (eds.). Kluwer Academic Publ., Boston, MA. 316 pp.
5. AliNiaze MT, AB Mohammad, **VP Jones**. 1995. Apple maggot, *Rhagoletis pomonella* (Walsh) (Diptera: Tephritidae). pp. 221-223. *In Biological control in the western United States*. Univ. Calif. Div. Ag. & Nat. Res. Publication 3361.
6. ***Jones VP**. 1994. Sequential estimation and classification procedures for binomial counts. pp. 175-205. *In Handbook of sampling methods for arthropod pests in agriculture*. L. Pedigo and G. D. Buntin (eds.) CRC Press, Boca Raton.
7. Beers EH, LA Hull, **Jones VP**. 1994. Sampling procedures for insects and mites on apples. pp. 383-416. *In Handbook of sampling methods for arthropod pests in agriculture*. L. Pedigo and G. D. Buntin (eds.) CRC Press, Boca Raton.
10. ***Jones VP**. 1991. Sampling for IPM. pp. 61-74. *In New directions in tree fruit pest management*. KM Williams, EH Beers, GG Grove (eds.). Good Fruit Grower, Yakima, WA. 214 pp.
11. ***Jones VP**. 1991. Use of phenology models for IPM. pp. 51-61 *In New directions in tree fruit pest management*. KM Williams, EH Beers, GG Grove (eds.). Good Fruit Grower, Yakima, WA. 214 pp.
12. ***Jones VP**, SL Smith, DW Davis. 1990. Comparison of apple maggot phenology in eastern and western North America. pp. 67-78. *In Apple maggot in the Western U.S.* RV Dowell, LT Wilson and **VP Jones** (eds.) Univ. Calif. Div. Agric. & Nat. Sci. pub. 3341.

Books Authored

1. ***Jones VP**. 2002. Macadamia IPM. Univ. Hawaii at Manoa, College of Tropical Agriculture and Human Resources. Honolulu, HI. ISBN 1-929325-12-6. 98 pp.

Edited Books

1. Dowell RV, LT Wilson and **VP Jones** (eds.). 1990. Apple maggot in the Western U.S. Univ. Calif. Div. Agric. & Nat. Sci. pub. 3341.

Professional Articles, non-refereed: (46)

1. ***Jones VP**, U Chambers. 2015. Evaluating the US national digital forecast database for use as virtual weather stations to drive the WSU-Decision Aid System. *Acta Horticulturae* 1068:19-26.
2. Chambers U, B Petit, **VP Jones**. 2015. WSU-DAS– the online pest management support system for tree fruits in Washington State. *Acta Horticulturae* 1068: 27-33.
3. ***Jones VP**, GG Grove, JF Brunner, GV Tangren, WE Jones. 2008. Making the complex simpler: IPM Decision Aid System now and in the future. *Proc. Wash. State Hort. Soc.* 103: (in press)
4. ***Jones VP**, TR Unruh, DR Horton, JF Brunner. 2006. Improving apple IPM by maximizing opportunities for biological control. *Good Fruit Grower* Dec. 2006 special insert.

Curriculum Vitae

5. ***Jones VP**, GG Grove, JF Brunner, GV Tangren, EH Beers, S Bittle, TJ Smith. 2007. Update on the Washington State University decision aid system. Proc. Wash. State Hort Soc. 103: 166-167.
6. ***Jones, VP**, GG Grove, JF Brunner, GV Tangren, EH Beers, TJ Smith. 2006. Advances in decision support technology. Proc. Wash. State Hort Soc. 102: 185-187.
7. ***Jones, VP**, T Wilburn, CC Baker. 2006. Codling moth movement in mating disruption and non-mating disruption orchards. Proc. Wash. State Hort Soc. 102: 180-184.
8. ***Jones, VP**, JF Brunner, CC Eastburn, TD Wilburn. 2004. Pest supermodels – new ways to improve our pest management programs. Proc. Wash. State Hort. Soc. 100: 113-119.
9. ***Jones, VP**, CC Eastburn, NG Wiman. 2003. IPM of Leafrollers: It's all in the timing – sampling, phenology, and efficacy of mating disruption. Proc. Wash. State Hort. Soc. 99: 82-87.
10. ***Jones, VP**. 2001. Population dynamics of moths under mating disruption. Proc. Wash. State. Hort. Soc. 97:155-159.
11. ***Jones VP**, M Aihara-Sasaki. 2000. Non-pesticidal control of macadamia nut pests. Proc. Hawaii Macadamia Nut Assoc. 40:63-67.
12. ***Jones VP**, M Aihara-Sasaki. 1999. Macadamia insect pests. Proc. Hawaii Macadamia Nut Assoc. 39:23-28.
13. Follet PA, RA Lower, SS Sanxter, **VP Jones**. 1999. Research plan for irradiation of non-fruitfly quarantine pests in Hawaii. In The use of irradiation as a quarantine treatment of food and agricultural commodities. JH Moy and L Wong (eds). Univ. Hawaii at Manoa and Hawaii Dept. Agric. Honolulu, HI. 116 pp.
14. ***Jones VP**, NN Finson, MS Richardson. 1998. Tropical nut borer natural enemies and koa seedworm management update. Proc. Hawaii Macadamia Nut Assoc. 38: 5-9
15. ***Jones VP**, PA Follett. 1997. Insect management for different sized macadamia nut orchards. Proc. Hawaii Macadamia Nut Assoc. 37: 29-35.
16. ***Jones VP**, PA Follett, D Westcot, C Campora. 1996. Developing management alternatives for the tropical nut borer, *Hypothenemus obscurus*. Proc. Hawaii Macadamia Nut Assoc. 36:23-33.
17. ***Jones VP**. 1995. Review of macadamia IPM in Hawaii. Proc. Hawaii Macadamia Nut Assoc. 35: 24-32.
18. ***Jones VP**, PW Shearer. 1994. Advances in the management of koa seedworm and southern green stinkbug on macadamia in Hawaii. Proc. Hawaii Macadamia Nut Assoc. 34:11-18.
19. ***Jones VP**. 1994. Tropical Nut Borer. Hawaii Tree Crops Journal. 3(1): 11-12.
20. ***Jones VP**, PW Shearer. 1994. Advances in the management of koa seedworm on macadamia in Hawaii. Hawaii Tree Crops Journal. 2(3): 9-11.
21. ***Jones VP**, PW Shearer. 1994. Southern Green Stinkbug. Hawaii Tree Crops Journal. 2(4): 9-10.
22. ***Jones VP**, HC Bittenbender. 1993. Summary of insect pest research. Proc. Hawaiian Macadamia Nut Assoc. 33: 26-28.
23. ***Jones VP**, CHM Tome, CJ Robb. 1993. Progress towards pest management in litchi. Proc. Hawaii Tropical Fruit Growers meeting. 2: 23-30.
24. ***Jones VP**, CHM Tome. 1992. Effect of husk feeding by *Cryptophlebia* spp. on macadamia in Hawaii. pp. 41-45. In Proc. 1st International Macadamia meetings (HC Bittenbender, ed).
25. ***Jones VP**, CG Cavaletto, HC Bittenbender. 1992. Evaluation of commercial lots of macadamias. p. 126-127. In Proc. 1st International Macadamia meetings (HC Bittenbender, ed).
26. *Delate K, **VP Jones**, JW Armstrong. 1992. Postharvest control treatments for tropical nut borer, *Hypothenemus obscurus* (F.), in macadamia nuts. pp. 46-53. In Proc. 1st International Macadamia meetings (HC Bittenbender, ed).
27. ***Jones VP**, K Delate, CHM Tome. 1992. Macadamia nut IPM: Where did all this damage come from? Proc. Hawaiian Macadamia Nut Assoc. 32: 48-56.
28. ***Jones VP**, HC Bittenbender. 1992. Biology of tropical nut borer. Hawaii Mac Facts. Vol. 5, no. 2. pp. 4-8.
29. ***Jones VP**, LC Caprio, CHM Tome. 1991. Recent advances in macadamia IPM. Proc. Hawaiian Macadamia Nut Assoc. 31: 42-50.
30. Bittenbender HC , **VP Jones**, MA Nagao. 1991. Varieties and breeding macadamia in Hawaii: A review of literature through 1991. In Symposium Brasileiro Sobre Macaemia. Vitoria da Conquista. Bahia, Brasil.
31. ***Jones VP**, HC Bittenbender. 1991. Problems on nuts and kernels. Hawaii Mac Facts. Vol. 4, no. 3, pg. 4.

Curriculum Vitae

32. ***Jones VP**. 1991. Development of *Cryptophlebia* and stinkbug IPM strategies for macadamia nuts (part 1). Hawaii Mac Facts. Vol. 4, no. 4. pp. 1-5.
 33. ***Jones VP**. 1991. Development of *Cryptophlebia* and stinkbug IPM strategies for macadamia nuts (part 2). Hawaii Mac Facts. Vol. 5, no. 1. pp. 4-7.
 34. Johnson MW, BE Tabashnik, **VP Jones**. 1991. Presence/absence sampling for greenhouse whitefly on tomatoes. pp. 69-73 *In* 1989 ADAP Crop Prot. Conf. Proc. MW Johnson, DE Ullman, A. Vargo (eds) Univ. Hawaii Res. Ext. Series 134.
 35. ***Jones VP**, MW Johnson. Advances in integration of pesticide effects on plant physiology into IPM programs. pp. 97-100. *In* 1989 ADAP Crop Prot. Conf. Proc. MW Johnson, DE Ullman, A. Vargo (eds) Univ. Hawaii Res. Ext. Series 134.
 36. ***Jones VP**, LC Caprio. 1990. Developing IPM programs for macadamia nuts. Proc. Hawaiian Macadamia Nut Assoc. 30: 24-36.
 37. ***Jones VP**. 1988. Controlling codling moth in Utah orchards: The question of resistance. Utah Science 48: 169-172.
 38. ***Jones VP**. 1987. Management of mites attacking greenhouse ornamentals. pp. 58-63. *In* Proc. Third Conf. Pest Management of Insect and Mites on Ornamentals. AD Ali and J Hall (eds.). Soc. Amer. Florists. Alexandria, VA. 133 pp.
 39. ***Jones VP**, LS Osborne. 1987. A costly intruder: The spider mite. Grower Talks 51: 44-47.
 40. ***Jones VP**. 1987. Codling moth resistance and IPM of apple maggot. pp. 23-38. *In* Proc. Utah Hort. Soc. A. Hatch (ed). 83 pp.
 41. ***Jones VP**. 1986. Management of mites on deciduous fruits. pp. 44-46. *In* Proc. Utah Hort. Soc. A. Hatch (ed.) 77 pp.
 42. ***Jones VP**. 1986. Trapping insects in orchards. pp. 19-22. *In* Proc. Utah Hort. Soc. A. Hatch (ed.) 77 pp.
 43. Davis DW, **VP Jones**. 1986. Understanding the apple maggot. Utah Sci. 47: 94-97.
 44. ***Jones VP**, KL Robb, MP Parrella. 1985. Mites attacking gerbera and chrysanthemum. pp. 10-18. *In* Proc. 1st Conf. on Insect and Mite Management on Ornamentals. MP Parrella (ed.). Soc. Amer. Florists. Alexandria, VA. 105 pp.
 45. Parrella MP, **VP Jones**, GD Christe. 1985. The interaction of parasites and *Liriomyza trifolii* on commercially grown chrysanthemum. pp. 13-18. *In* An Informal Conference on *Liriomyza* leafminers. J Montz (ed.). USDA, Beltsville, MA. 75 pp.
 46. ***Jones VP**, RR Youngman, MP Parrella. 1984. Effects of selected pesticides on the photosynthetic rates of chrysanthemum. pp. 4-9. *In* Proc. 4th Ann. Conf. on the leafminer. SL Poe (ed.). Soc. Amer. Florists. Alexandria, VA. 191 pp.
- Newspaper Articles Written:**
1. ***Jones VP**, DE Ullman. 1994. Insect invaders attacking Hawaii's plants. Honolulu Advertiser. 8 March 1994. (Special insert on Hawaii's environment).
 2. *DE Ullman, **VP Jones**. 1994. A recent invader: the two-spotted leafhopper. Univ. Hawaii Alumni and Friends. Fall 1994.
- Graduate Students:**
- Robert Orpet, PhD (Graduated Fall 2018), Washington State University (co-Major Professor)
 - Abigail Cohen, PhD Candidate, Washington State University (committee member)
 - Megan Asche, MS. Graduated 2018., Washington state University (committee member).
 - Connor O'Leary, MS candidate, Washington State University (Major Professor) (*finished Dec. 2015*)
 - Teah Smith, MS. Graduated Summer 2012. Washington State University (Major Professor). Currently IPM specialist Zirkle Fruit Company, Wenatchee, WA.
 - Nik Wiman, Ph.D. Graduated Fall 2011, Washington State University, (Major Professor). Currently Orchard Crops Specialist, Oregon State University.
 - Christian Krupke, Ph.D. Washington State Univ. (Major Professor), currently Assoc. Professor, Purdue Univ.
 - Chuck Chilcutt, Ph.D., Graduated Summer 1996, Univ. Hawaii at Manoa, (dissertation committee member). Currently, Research Assoc. Texas A&M Univ., AgroEcosystems Res. Group.
 - Mach Fukada, M.S., Graduated Spring 1996, Univ. Hawaii at Manoa. (thesis committee member). Currently, Hawaii Dept. Ag.
 - Peter Shearer. PhD. Graduated Fall 1995, Univ. Hawaii at Manoa (Major Professor), formerly Professor, Oregon State Univ. Mid-Columbia Res. & Ext. Center

Curriculum Vitae

- Sheri L. Smith. M.S. Graduated Fall 1989, Utah State Univ. (Major Professor), currently entomologist US Forest Service, Susanville, CA

Post-Doctoral Research Associates

- Matt Jones, private consultant
- Ute Chambers, currently in Jones lab
- Peter Shearer, Cal State San Luis Obispo Professor.
- Angela Gadino, United Phosphorus, Inc.
- Andrea Bixby-Brosi, currently at WSU-TFREC in another laboratory
- Shawn Stephan, Entomologist, currently USDA-ARS, Madison, WI.
- Matt Grieshop, currently Assoc. Professor of Entomology, Michigan State University.
- Peter A. Follett, currently Entomologist, USDA-ARS Tropical Fruit. Vegetable and Ornamental Lab, Hilo, HI.
- Bastiaan Suverkropp, Wageningen, the Neatherlands, current position unknown.
- M. Tracy Johnson, currently Entomologist, US Forest Service, Volcano, HI.
- Pingjun Yang, currently Entomologist, Hawaii Dept. Agric., Kauai, HI.
- Kathleen Delate, currently Professor, Iowa State Univ.

Extension Bulletins:

1. **Jones VP.** The red banded thrips. Univ. Hawaii Coop. Extension Leaflet. 2pp.
2. **Jones VP, MT Fukada, DE Ullman, JS Hu, WB Borth.** The two spotted leafhopper. Univ. Hawaii. Coop. Extension Leaflet. 2 pp.
3. **Jones VP.** 1986-1988. Utah Fruit pest control handbook (insect section). 155 pp.
4. **Jones VP.** 1987. Hawthorn removal for apple maggot control near commercial fruit orchards. USU Entomol. Fact Sheet 5.
5. **Jones VP & R. Roberts.** 1987. Shade tree insects. USU Insect Control Series #4, 49 pp.
6. **Jones VP.** 1987. Use of dormant sprays for insect & mite control on home fruit trees. USU Entomol. Fact. Sheet 5.
7. **Jones VP.** 1987. Western tentiform leafminer on apple in Utah. Entomol. Fact. Sheet 7.

8. **Jones VP.** 1987. Biology and control of codling moth on apple in Utah. USU Ext. bull. 129
9. **Jones VP.** 1986. Spider mites in the home garden. USU Entomol. Newsletter 125.
10. **Jones VP.** 1986. Control of the Pear sawfly. USU Entomol. Newsletter 126.
11. **Jones VP.** 1986. Fall Webworm. USU Entomol. Newsletter 127.
12. **Jones VP.** 1986. The black widow spider. USU Entomol. Newsletter 49.
13. **Jones VP.** 1986. The brown recluse spider. USU Entomol. Newsletter 47.
14. **Jones VP, JG Morse** 1983. Broad mite: a pest of coastal lemons. Univ. Calif. Coop. Ext. Leaflet 21374.

Professional Services (last 6 years only)

- *External Reviewer* for USDA-ARS promotion review (2019)
- *Guest Editor and coordinator*, for a special issue of the journal *Biological Control* that aggregated papers generated through the SCRI grant on Enhancing Biological Control in Western Orchards (2013-2016). Published Nov. 2016.
- *External Reviewer* for USDA Papers - *Ann. Review of Entomology* (S. Naranjo et al.), *Entomologia exp. Applic.* (Cooper and Horton).
- *Judge*, Student Competition Papers, ESA National Meeting. Portland, OR (2014)
- *External Reviewer* for Pennsylvania Department of Health's CURE Grant program through Oak Ridge Associated Universities (2014)
- *Outside Reviewer* for USDA-ARS CRIS program for Wapato laboratory (2014)
- *Co-Organizer and Moderator*, Pest and Disease Management Section, WA Horticultural Association Ann. Meeting (2014)
- *Co-Organizer* of a two-day course for IPM practitioners on Enhancing Biological Control in Orchards, and gave 3 presentations, co-Authored 2 others. (2013)
- *Symposium Organizer* (2014, 2012), Pacific Branch of Entomological Society of America.
- *Symposium Organizer* Entomological Society of America National Meeting (2014, 2010)
- *Awards Canvassing Committee Co-Chair*, Pacific Branch Entomological Society of America 2013-2014

Curriculum Vitae

- *Reviewer* - J. Econ. Entomol., Environ. Entomol., Can. Entomol., Crop Protection, Entomologia exp. Applic., Biological Control, BioControl, Oecologia, British Col. Entomological Soc., Biocontrol Sci. Techn., African Entomologist, Florida Entomologist, Biological Invasions, J. Applied Ecology, J. Insect Sci., Pop. Ecology, Insect Behavior, Agric. Forest Entomol.

Department and University Committees: (last 6 years only)

- *Member, WSU-TFREC Space committee. (2019-present)*
- *Head, Promotion and Tenure Committee, Tobin Northfield (Entomology) 2018-present*
- *Head, Promotion Committee, Jeb Owen (Entomology) 2018-present*
- *Chair, Search Committee for Director of WSU-AgWeatherNet (2018)*
- *Chair, Search Committee for Tree Fruit Entomology position (2016-2017).*
- *Member, Search Committee for CAHNRS Dean (2016-2017)*
- *Member, Faculty Research Advisory Council (2016-2017)*
- *Member, Strategic Planning Committee for WSU-Wenatchee (2015-current) & Head, seminar sub-committee*
- *Member, Entomology Graduate Student Admission Committee (2013-2020)*
- *Member, CAHNRS DSS Task Force (2013-current)*
- *Co-Organizer, Entomology Department Colloquium (Fall 2014; Winter 2018)*
- *Member, WSU-Agricultural Research Center Competitiveness Task Force (2013-2014)*
- *Head, WSU- Tree Fruit Decision Aid System Working Group (2005-current)*
- *Member, search committee for Plant Pathologist at WSU-TFREC (2013-2014)*
- *Chair (2012-2013) and Member, WSU Entomology Department Awards Committee (2011-2016)*

Professional Presentations (last 6 years only, first author & presenter only):

2020

Jones VP, MS Jones, S Borghi. Assessing different management strategies for codling moth. Utah State University Extension Webinar. 22 Oct. Done virtually.

DeGrandi-Hoffman G, **VP Jones**, T Schmidt, PW Shearer. Development and validation of a precision

pollination model. WTFRC Technology Review. 4 Feb., Vantage, WA.

Jones VP, MS Jones, T Schmidt. Developing and validating models for tree fruit. WTFRC Technology Review. 4 Feb., Vantage, WA.

Jones VP, DC Crowder, R Orpet, U Chambers. Evaluating and Improving Biological Control of Woolly Apple Aphid. WTFRC Crop Protection Review. 30 Jan., Yakima, WA.

Jones VP, P Shearer. Optimizing control for leafrollers and western tentiform leafminer. 30 Jan., Yakima, WA.

Jones VP, MS Jones, S Borghi. WSU-Pesticide Spray Evaluator: A new tool to optimize codling moth spray timings. WSU-Apple Day. 27 Jan., Wenatchee, WA.

Jones VP, MS Jones, S Borghi. Optimizing CM Control and Evaluation of Management Programs. NW Wholesale Education Day. 12 Feb., Wenatchee, WA

Jones VP, S Borghi, MS Jones. On-line decision support tools for tree fruit in Washington State. Potato Decision Support Working Group. 21 Jan., Kennewick, WA.

2019

Jones VP, DW Crowder, RJ Orpet, U Chambers. Evaluating and improving biological control of WAA. WTFRC Apple Crop Protection Review. 24 Jan., Pasco, WA.

Jones VP, PW Shearer. Optimizing control for leafrollers and western tentiform leafminer. WTFRC Apple Crop Protection Review. 24 Jan., Pasco, WA.

Jones VP, G DeGrandi-Hoffman, T Schmidt, PW Shearer. Development and validation of a precision pollination model. WTFRC Technology Review. 12 Feb, Wanapum Dam, WA.

Jones VP, U Chambers, T Schmidt. Developing and validating models for tree fruit. WTFRC Technology Review. 12 Feb, Wanapum Dam, WA.

Jones VP, MS Jones, S Borghi, U Chambers. Advancing IPM implementation using pesticide effects models, spray records, and site-specific weather data. Invited symposium presentation, Pacific Branch of the Entomological Society Meeting, San Diego, CA 31 March-3 April.

Jones VP, G Degrandi-Hoffman, S. Borghi, U Chambers, PW Shearer, H Graham, MS Jones.

Curriculum Vitae

Implementing a honeybee foraging model and REDAPOL fruit set predictions in Washington State's Decision Aid System. Invited symposium presentation. Int. Pollinator Conference 17-20 July, Davis, CA.

Jones VP, MS Jones, S Borghi. Apple IPM using models to target pests. Extension ID, Scouting and Management Meeting. 1 Aug., Wenatchee, WA.

Jones VP, MS Jones, U Chambers, S. Borghi. WSU-Decision Aid System. Presentation to the Microsoft Farmbeats Manager. 7 Aug, Wenatchee, WA

Jones VP, MS Jones, U Chambers, S. Borghi. WSU-Decision Aid System. Presentation to the predictive agriculture group, Corteva Ag. Sciences. 3 Sept., Wenatchee, WA

Jones VP. Using DSS tools to understand the past, improve the present, and anticipate the future of tree fruit IPM. Invited Entomology Departmental Seminar, University of Georgia, 23 Sept., Athens, GA.

Jones VP. Using WSU's decision support tools to understand the past, improve the present, and anticipate the future of tree fruit IPM. Invited speaker, "Science in our Valley" seminar series. 2 Oct., Wenatchee, WA.

Jones VP. Timing codling moth and oblique banded leafroller treatments for optimal results and evaluating past performance of your spray programs. Washington State Tree Fruit Association Annual Conference. 9-11 Dec., Wenatchee, WA.

Jones VP, G DeGrandi-Hoffman. Honeybee foraging and fruit set predictions using WSU-DAS: what's new and upcoming. Washington State Tree Fruit Association Annual Conference. 9-11 Dec., Wenatchee, WA.

2018

Jones VP. Codling moth management and the importance of timing. WSU Apple Day. 18 Jan. Wenatchee, WA.

Jones VP, U Chambers, T Schmidt. Developing and validating models for tree fruit. WTFRC Apple Crop Protection Review. 25 Jan. Wenatchee, WA.

Jones VP, U Chambers, T Schmidt. Developing and validating models for tree fruit. WTFRC Pear Research Review. 15 Feb. Wenatchee, WA.

Jones VP, U Chambers, S. Borghi. British Columbia Decision Aid System (BC DAS): How it came to be, how it works, and what it will do. BC Fruit Day. 8 Feb. Kelowna, BC.

Jones VP, U Chambers, S Borghi, K Rajagopalan. Moving the WSU DAS system to the future: new features, new markets, and climate change. Valent Crop Protection Meeting on Visions for the Future. Spokane, WA. 13-14 Feb.

K Rajagopalan, **VP Jones**, U Chambers, S Hall, M Liu. Building resilience of NW tree fruit to changing codling moth pressures. (*co-Presenter*). Advisory board meeting, 8 March. Wenatchee, WA.

VP Jones, M Tesche, U Chambers, M Cook, S Borghi. Expanding the WSU-Decision Aid system to British Columbia. Entomological Society of America Annual Meeting 11-14 Nov. Vancouver, Canada.

VP Jones, M Jones, S Borghi, U Chambers. New tools for IPM and horticulture coming in 2018 for apple, pear and stone fruit. WA State Tree Fruit Assoc. Annual meeting. 6 Dec. 2018. Yakima, WA.

2017

Jones VP. Importance of timing and trap counts for codling moth management. WSU Apple Day. 19 Jan. Wenatchee, WA.

Jones VP. Optimizing control for leafrollers and Western tentiform leafminer. Washington Tree Fruit Research Commission Crop Protection Review 26 Jan., Yakima, WA.

Jones VP, D Crowder, R Orpet, U Chambers. Evaluating and improving biological control of woolly apple aphid. Washington Tree Fruit Research Commission Crop Protection Review 26 Jan., Yakima, WA.

Jones VP, C O'Leary, E Miller. Evaluating plant volatiles for augmenting BC. Washington Tree Fruit Research Commission Crop Protection Review 26 Jan., Yakima, WA.

Jones VP, U Chambers. Development and validation of pest and natural enemy models. Washington Tree Fruit Research Commission Crop Technology Review. 2 Feb. Ellensburg, WA.

Jones VP, U Chambers, T Schmidt. Development and validating models for tree fruit. Washington Tree Fruit Research Commission Technology Review 2 Feb. Ellensburg, WA.

Jones VP, G DeGrandi-Hoffman, U Chambers, S Borghi. Honeybee foraging model progress. Intern. Tree Fruit Assoc. Ann. Meeting 23 Feb., Wenatchee, WA.

Jones VP. Progress update, management discussion and next steps for Canadian DAS. British Columbia Fruit Growers/Okanagan-Kootenay SIR project meeting. 9 Mar., Kelowna, BC.

Curriculum Vitae

Jones VP. Importance of timing for codling moth and oblique-banded leafroller management. WSU Fruit School. 14 March, Wenatchee, WA.

Jones VP, G DeGrandi-Hoffman, P Shearer, T Schmidt. Using WSU-DAS to help make pollination and horticulturally important decisions. Washington State Tree Fruit Association Annual Conference. 6 Dec., Kennewick, WA. (invited speaker)

2016

Jones VP, U Chambers. Using the WSU Decision Aid System in Tree Fruit. Precision Ag. Conference, 7 Jan., Kennewick, WA. (invited speaker)

Jones VP. Development and validation of pest and natural enemy models. Washington Tree Fruit Research Commission Crop Protection Meeting, 28 Jan., Wenatchee, WA.

Jones VP. Evaluating plant volatiles for augmenting biological control. Washington Tree Fruit Research Commission Crop Protection Meeting, 28 Jan., Wenatchee, WA.

Jones VP, U Chambers. Development and validation of pest and natural enemy models. Washington Tree Fruit Research Commission Technology Committee Meeting, 4 Feb., Ellensburg, WA.

Jones VP. WSU-Decision Aid System Overview. Okanagan SIR Board meeting. 5 Feb. Kelowna, BC. (invited speaker)

Jones VP. Lessons from the WSU-Decision Aid System. Agriculture in a changing climate workshop. 10 Feb. Kennewick, WA. (invited speaker)

Jones VP, U Chambers, C. Baker, T Melton. Using multiple approaches to enhance biological control in tree fruit: Simulation, field studies, and behavioral components. Pacific Branch of Entomological Soc. Amer., 5 Apr., Honolulu, HI. (invited symposia speaker)

Jones VP, B Higbee, C Aeschliman, J Park. Using big data to evaluate navel orangeworm phenology in almond and pistachio. Pacific Branch of Entomological Soc. Amer., 4 Apr., Honolulu, HI. (invited symposia speaker)

Jones VP. What WSU's Decision Aid System can do for British Columbia Fruit Growers. Okanagan Fruit Growers Meeting. 15 June. Kelowna, BC. (invited speaker)

Jones VP. New models coming to WSU Decision Aid System in 2016. Washington State Tree Fruit Association Annual Conference. 7 Dec. Wenatchee, WA. (invited speaker).

2015

Jones VP. Managing codling moth and oblique-banded leafroller in extraordinarily hot years. Washington

State Tree Fruit Association Annual Conference. 9 Dec. Yakima, WA

Jones VP. Using decision support systems in tree fruit: current status and opportunities. Horticultural Departmental Seminar. 29 October.

Jones VP. Development and validation of pest and natural enemy models. Washington Tree Fruit Research Commission Crop Protection Review. 28 Jan. Pasco, WA.

Jones VP, U Chambers. Models to assess pesticide impacts on CM, OBLR, and *C. nigricornis*. Washington Tree Fruit Research Commission Crop Protection Review. 28 Jan. Pasco, WA.

Jones VP. Evaluating plant volatiles for augmenting biological control. Washington Tree Fruit Research Commission Crop Protection Review. 28 Jan. Pasco, WA.

Jones VP, U Chambers. Development and validation of pest and natural enemy models. Washington Tree Fruit Research Commission Technology Review. 12 Feb. Prosser, WA

Jones VP. WSU-Decision Aid System. USDA-ARS Climate Hub Meeting. 5-6 Feb. Portland, OR.

2014

Jones VP, U Chambers, A Bixby-Brosi. Enhancing biocontrol in apples. Wash. Tree Fruit Research Commission Crop Protection Meeting, 30-31 Feb. Yakima, WA.

Jones VP. Biocontrol in Western orchards: Final SCRI update. Wash. Tree Fruit Research Commission Crop Protection Meeting 30-31 Feb. Yakima, WA.

Jones VP, R Cooper. Methods to increase biocontrol in conventional and organic apples. Wash. Tree Fruit Research Commission Crop Protection Meeting 30-31 Feb. Yakima, WA.

Jones VP, A Gadino, JF Brunner. Models to assess pesticide impacts on CM, OBLR, and *Chrysopa nigricornis*. Wash. Tree Fruit Research Commission Crop Protection Meeting 30-31 Feb. Yakima, WA.

Jones VP, U Chambers, TR Unruh. Developing new natural enemy and pest models for WSU-DAS. Wash. Tree Fruit Research Commission Technology Review. 13 Mar., Ellensburg, WA.

Jones VP, U Chambers. Implementing long-range forecasts and new models in DAS. Wash. Tree Fruit Research Commission Technology Review. 13 Mar., Ellensburg, WA.

Curriculum Vitae

Jones VP, NJ Mills, JF Brunner, EH Beers, DR Horton, TR Unruh, J Goldberger, PW Shearer, K Gallardo, S Castagnoli. Enhancing biological control in Western orchards: An overview. Pacific Branch of the Entomological Society of America Symposia. Tuscon, AZ. 6-9 April.

Jones VP, NJ Mills, DR Horton, TR Unruh, E Miliczky, PW Shearer. Evaluating floral lures and herbivore-induced plant volatiles for monitoring natural enemies and improving BC in Western crops. Pacific Branch of the Entomological Society of America Symposia. Tuscon, AZ. 6-9 April.

Jones VP. How politicians, perfume, models and technology are finally leading to IPM in Western Orchards. Departmental Seminar, University of Arkansas, Fayetteville, AK 17-18 April. (invited speaker).

Jones VP, U Chambers, B Petit, C Jackson. Use of decision support systems and beyond to enhance IPM programs: an example from Washington tree fruit. National Meeting of Entomological Society of America, Invited Symposia Celebrating 100th Anniversary of Extension. 16-19 Nov., Portland, OR.

Jones VP. You can get from here to there, and here's how: The legacy of Jay Brunner in tree fruit IPM. National Meeting of Entomological Society of America, Symposia presentation. 16-19 Nov., Portland, OR.