

Curriculum Vitae

VINCENT P. JONES

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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:

- Director, WSU-Decision Aid System (das.wsu.edu) 2014–present.
- Professor of Entomology, Washington State University. 2006– present

- 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.

Grant Experience

(Last 8 yr. \$11M, \$18.5 M total)

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).

Jones VP. Develop needed modifications for implementation of the WSU-Decision Aid System for British Columbia Fruit Growers. \$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.

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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).

2014

Jones VP, U Chambers. Development and validation of pest and natural enemy models. Wash. Tree Fruit Res. Commission (technical committee). \$234,599 (2014-2016).

Crowder D, **VP Jones**, J Reganold, EH Beers. Dynamics of woolly apple aphids on organic and conventional orchards. Wash. Tree Fruit Res. Commission \$113,948 (2014-2015)

Crowder D, **VP Jones**, J Goldberger, EH Beers, J Reganold. Evaluating aphid pest management and soil quality on organic and conventional apple orchards in Washington. WSDA/USDA Specialty Crop Block Grant. \$194,910 (2014-2016).

2013

Jones VP, U Chambers, TR Unruh. Developing new natural enemy and pest models for WSU-DAS. \$151,497. (2013). Washington Tree Fruit Research Commission.

Jones VP, A Gadino. Evaluating low dose insecticide residues on codling moth flight and behavior. \$21,438. (2013). Washington State Commission on Pesticide Registration.

2012

Jones VP, AN Gadino, JF Brunner. Models to assess pesticide impacts on codling moth, obliquebanded leafroller, and *Chrysopa nigricornis*. \$232,690 (2012-2015). Washington Tree Fruit Research Commission

2011

Jones VP, U Chambers. Enhancing BC in apples: how do conventional and organic systems differ? Washington Tree Fruit Research Commission. \$303,858 (2011-2014)

Jones VP, U Chambers, JF Brunner. Enhancing tree fruit IPM decision-making through advances on WSU-DAS and training of growers and pest management advisors. Wash. State Dept. Agric./USDA SCRI block grant. \$214,215 (2011-2014)

2010

Jones VP, SA Steffan. Enhancing biological control in cherries. Washington State Commission on Pesticide Registration. (funded 1 year, \$23,189).

Shearer PW, K. Amarasekare, **VP Jones**, SA Steffan. Improving biological control of insect pests of cherry. Washington Tree Fruit Research Commission. \$79,485. (2010-2011).

Jones VP, U Chambers, GG Grove. Evaluation of environmental data used for IPM models. Washington Tree Fruit Research Commission. \$152,731. (2010-2012).

Park J, **VP Jones**, LA Hull. Digital traps for automated monitoring of insect populations. Washington Tree Fruit Research Commission. \$64,950 (2010).

2008

Jones VP, JF Brunner, DR Horton, TR Unruh, PW Shearer, NJ Mills, EH Beers, K Gallardo, J Goldberger, S Castagnoli. Enhancing biological control to stabilize western orchard IPM systems. USDA-CSREES-SCRI \$2.244M (2008-2013).

Singh, S. et al. Comprehensive automation for specialty crops. USDA-CSREES-SCRI. \$6.01M. (2008-2012).

Jones VP, DR Horton, TR Unruh, G Judd. Defining natural enemy biology and phenology to improve IPM. Wash. Tree Fruit Res. Commission \$392,370 (2008-2010).

Jones VP, DR Horton, TR Unruh. Assessing effects of an alfalfa cover crop on biological control and tree nutrition in organic pear orchards. WSU-CSANR Organic Cropping Research for the Northwest. \$34,178 (2008).

Horton DR, TR Unruh, **VP Jones**. Assessing habitat and dietary switching by predators in a cover crop system. Western Region SARE \$121,092 (2008-2009).

Professional Articles, refereed (106 Total)

1. 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
2. **Jones VP***, NJ Mills, JF Brunner, DR Horton, EH Beers, TR Unruh, PW Shearer, JD Goldberger, S Castagnoli, N Lehrer, E Milickzy, 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 (*in press*). [doi:10.1016/j.biocontrol.2016.03.013](https://doi.org/10.1016/j.biocontrol.2016.03.013)

3. **Jones VP***, DR Horton, NJ Mills, TR Unruh, CC Baker, TD Melton, E. Miliczky, SA Steffan, PW Shearer, KG Amarasekare. 2016. Evaluating herbivore-induced plant volatiles and floral volatiles for monitoring natural enemies in apple, pear and walnut orchards. *Biological Control, Special Issue (in press)*.
[doi:10.1016/j.biocontrol.2015.03.009](https://doi.org/10.1016/j.biocontrol.2015.03.009)
4. **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 (in press)*.
<http://dx.doi.org/10.1016/j.biocontrol.2014.12.012>
5. 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 (in press)*
dx.doi.org/10.1016/j.biocontrol.2016.05.001
6. 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 (in press)*
dx.doi.org/10.1016/j.biocontrol.2016.05.004
7. 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 (in press)*
[doi:10.1016/j.biocontrol.2016.05.014](https://doi.org/10.1016/j.biocontrol.2016.05.014)
8. 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 (in press)*
dx.doi.org/10.1016/j.biocontrol.2015.11.013
9. Chambers U, **VP Jones**. 2015. Effect of over-tree evaporative cooling in orchards on microclimate and accuracy of insect model predictions. *Environ. Entomol.* DOI:
<http://dx.doi.org/10.1093/ee/nvv137>
10. 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
11. 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.
12. 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.
13. **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
14. **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
15. 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.
16. 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>
17. 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.
18. **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.
19. Unruh TR, RS Phannenstiell, 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.
20. **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

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21. **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.
22. 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
23. 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.
24. **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
25. **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.
26. JR Hagler, **Jones VP**. 2010. A protein-based approach to mark arthropods for mark-capture type research. *Entomol. Exper. et Applic.* 135-177-192.
27. 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.
28. **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.
29. 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.
30. **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.
31. **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.
32. **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
33. Krupke, CH, JF Brunner, **VP Jones**. 2008. Factors influencing mate choice in *Euschistus conspersus* Uhler (Heteroptera: Pentatomidae). *Env. Entomol.* 37: 192-197.
34. **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.
35. 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.
36. 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.
37. **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
38. **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
39. 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
40. 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)
41. Beers, EH, **VP Jones***. 2004. Fixed precision sampling plans for white apple leafhopper, *Typhlocyba pomaria* McAtee (Homoptera:

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- Cicadellidae) on apple. J. Econ. Entomol. 97: 1752-55.
42. 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.
 43. Doerr, MD, JF Brunner, **VP Jones**. 2002. Temperature-dependent development of *Lacanobia subjuncta* (Lepidoptera: Noctuidae). Environ. Entomol. 31 (6): 995-999.
 44. ***Jones VP**, NN Finson, D Tsuda. 2002. Attraction of *Stoerberhinus testaceus* to oriental fruit moth pheromone. Proc. Haw. Entomol. Soc. Sci. Notes Section 35: 129-131.
 45. ***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.
 46. ***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)
 47. ***Jones VP**, M Aihara-Sasaki 2001. Demographic analysis of delayed mating in mating disruption: a case study with *Cryptophlebia illepida* (Butler) (Lepidoptera: Tortricidae). (Forum section, J. Econ. Entomol. 94: 785-792)
 48. ***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
 49. 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.
 50. ***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.
 51. Follett PA, C Empy-Campora, **VP Jones**. 2000. Imidachloprid as a protectant from *Sophonia rufofascia* (Homoptera: Cicadellidae) for endangered plants in Hawaii. Proc. Hawaiian Entomol. Soc. 34: 199-201.
 52. ***Follett PA**, J Duan, RH Messing, **VP Jones**. 2000. Parasitoid drift after biocontrol introductions: Re-examining Pandora's box. Amer. Entomol. 46: 82-94
 53. ***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.
 54. 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.
 55. ***Jones VP**, PA Follett, RM Messing, WB Borth, JS Hu, DE Ullman. 1998. Effect of *Sophonia rufofascia* (Homoptera: Cicadellidae) on guava production in Hawaii. J. Econ. Entomol. 91: 693-698.
 56. ***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.
 57. ***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.
 58. ***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.
 59. ***Shearer PW**, **VP Jones**. 1996. Diel feeding pattern of southern green stinkbug (Hemiptera: Pentatomidae). Environ. Entomol. 25: 599-602.
 60. ***Shearer PW**, **VP Jones**. 1996. Suitability of macadamia nut as a host plant of *Nezara viridula* (Hemiptera: Pentatomidae). J. Econ. Entomol. 89: 996-1003.
 61. ***Jones VP**. 1995. Sampling plans for *Cryptophlebia* spp. (Lepidoptera: Tortricidae) attacking macadamia nuts and litchi in Hawaii. J. Econ. Entomol. 88: 1337-1342.
 62. Shearer PW, **VP Jones**, H Riedl. 1995. Diel-periodicity and circadian control of *Cryptophlebia illepida* (Butler) (Lepidoptera: Tortricidae) oviposition. Environ. Entomol. 24: 1229-1333.
 63. ***Jones VP**. 1995. Reassessing the role of predators and *Trissolcus basalus* in biological control of Southern green stinkbug in Hawai'i. Bio. Control 5: 566-572.
 64. ***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.

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65. *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.
66. *Jones VP. 1994. Effect of feeding by *Cryptophlebia illepipa* (Butler) and *C. ombrodelta* (Lower) (Lepidoptera: Tortricidae) on macadamia nut abortion. J. Econ. Entomol. 87: 781-786.
67. *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.
68. *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.
69. 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.
70. *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.
71. *Jones VP, LC Caprio. 1992. Damage estimates and population trends of insects attacking seven macadamia cultivars in Hawaii. J. Econ. Entomol. 85: 1884-1890.
72. *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.
73. *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
74. 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.
75. *Jones VP. 1991. Binomial sampling plans for tentiform leafminer (Lepidoptera: Gracillariidae) on apple in Utah. J. Econ. Entomol. 84: 484-488.
76. Smith SL, VP Jones. 1991. Alteration of apple maggot (Diptera: Tephritidae) adult emergence by cold period duration and rain. Environ. Entomol. 20: 44-47.
77. *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.
78. 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.
79. *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.
80. *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.
81. *Parrella MP, VP Jones, MS Malais, KM Heinz. 1989. Advances in sampling in ornamentals. Fla. Entomol. 72: 394-403.
82. *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.
83. *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.
84. *Jones VP. 1988. Longevity of apple maggot attractants under laboratory and field conditions. Environ. Entomol. 17: 704-708.
85. 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.
86. 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.
87. *Parrella MP, VP Jones. 1987. The development of integrated pest management strategies in floricultural crops. Bull. Ent. Soc. Amer. 33: 28-34.
88. *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
89. *Jones VP, NC Toscano, MW Johnson, SC Welter, RR Youngman. 1986. Pesticide effects on plant physiology: incorporation into pest

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- management systems. Bull. Ent. Soc. Amer. 32: 103-109.
90. ***Jones VP**, MP Parrella. 1986. Development of sampling strategies for larvae of *Liriomyza trifolii* (Diptera: Agromyzidae) in chrysanthemum. Environ. Entomol. 15: 268-273.
91. ***Jones VP**, MP Parrella. 1986. The movement and dispersal of *Liriomyza trifolii* (Diptera: Agromyzidae) in a chrysanthemum greenhouse. Ann. Appl. Biol. 109: 33-39.
92. *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.
93. ***Jones VP**, MP Parrella, DR Hodel. 1986. Biological control of leafminers in greenhouse chrysanthemum. Calif. Agric. 40: 10-12.
94. 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.
95. *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.
96. *Parrella MP, **VP Jones**. 1985. Yellow traps as monitoring tools for *Liriomyza trifolii* (Diptera: Agromyzidae) in chrysanthemum greenhouses. J. Econ. Entomol. 78: 53-56.
97. ***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.
98. ***Jones VP**, MP Parrella. 1984. Presence-absence sampling of citrus red mite on lemons in southern California. Calif. Agric. 38: 30-32.
99. ***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.
100. ***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.
101. ***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.
102. *Parrella MP, **VP Jones**. 1984. Coping with the "leafminer crisis". Calif. Agric. 38: 17-19.
103. ***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.
104. ***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.
105. ***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.
106. *Brown RD, **VP Jones**. 1983. The broad mite on lemons in southern California. Calif. Agric. 37: 21-22.

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. AliNiasee 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.

Curriculum Vitae

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.
 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.
 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.
 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

Curriculum Vitae

- 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.
 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.

Curriculum Vitae

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 candidate, Washington State University (co-Major Professor) (*in progress*)
- Connor O'Leary, MS candidate, Washington State University (Major Professor) (*in progress*)
- 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. Ph. D. Graduated Fall 1995, Univ. Hawaii at Manoa (Major Professor), currently Professor, Oregon State Univ. Mid-Columbia Res. & Ext. Center
- Sheri L. Smith. M.S. Graduated Fall 1989, Utah State Univ. (Major Professor), currently entomologist US Forest Service, Susanville, CA

Post-Doctoral Research Associates

- Ute Chambers, currently in Jones lab
- 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.

Curriculum Vitae

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)

- *Guest Editor and coordinator*, for a special issue of the journal *Biological Control* that will aggregate papers generated through the SCRI grant on Enhancing Biological Control in Western Orchards (2013-current).
- *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)
- *External Reviewer* for USDA-ARS promotion reviews (2012)
- *Symposium Organizer* (2014, 2012), Pacific Branch of Entomological Society of America.
- *Symposium Organizer* Entomological Society of America National Meeting (2014, 2010)
- *Member*, National Academy of Science, BANR report panel on light brown apple moth (2009)

- *Awards Canvassing Committee Co-Chair*, Pacific Branch Entomological Society of America 2013-2014
- *Grant Review Panel Member*, USDA-CSREES (2009)
- Contact person for WSU for Murdock Foundation Charitable Trust *Partners in Science* Grants Program (2007–current)
- *Ad hoc* Member, North West Horticultural Council Science Advisory Committee 2005-2009
- *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)

- *Head*, Search Committee for Tree fruit Entomology position (2016-current).
- *Member*, Strategic Planning Committee for WSU-Wenatchee (2015-current)
- *Member*, CAHNRS DSS Task Force (2013-current)
- *Co-Organizer*, Entomology Department Colloquium (Fall 2014)
- *Member*, WSU-Agricultural Research Center Competitiveness Task Force (2013-2014)
- *Member*, Entomology Graduate Student Admission Committee (2013-current)
- *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)
- *Member*, Science Advisory Panel for WSU-AgWeather Net (2007-current)
- *Head*, Promotion and Tenure Committee, Jeb Owen (Entomology) (2007-2013)

Professional Presentations (last 5 years only, first author & presenter only):

2016

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

Curriculum Vitae

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)

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.

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.

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.

Curriculum Vitae

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.

2013

Jones VP, J Brunner, EH Beers, K Gallardo, NJ Mills, PW Shearer, S Castagnoli, DR Horton, TR Unruh, J Goldberger, U Chambers, A Gadino, A Bixby-Brosi, K. Amarasekare. Enhancing biological control in western orchards: A summary of new information and directions for future research. Wash. Tree Fruit Research Commission Crop Protection Meeting. 30 Jan. (invited speaker)

Jones VP, U Chambers, A Bixby-Brosi. Enhancing BC in apples: how do conventional and organic systems differ? Wash. Tree Fruit Research Commission Crop Protection Meeting. 30 Jan.

Jones VP, A Gadino, J Brunner. Models to assess pesticide impact on CM, OBLR, and *Chrysopa nigricornis*. Wash. Tree Fruit Research Commission Crop Protection Meeting. 30 Jan.

Jones VP. Alternative methods of codling moth control. Columbia IPM educational meeting. 13 Feb.

Jones VP, N Mills, J Brunner, E Beers, U Chambers, A Gadino, D Horton, P Shearer, S Castagnoli, K. Amarasekare, T Unruh. Enhancing biological control in Western orchards: an overview of a five year effort. Pacific Branch Entomol. Soc. American. Lake Tahoe, NV. 7-10 Apr.

Jones VP. C.W. Woodworth Award Presentation. Pacific Branch Entomol. Soc. American. Lake Tahoe, NV. 7-10 Apr. (invited speaker)

Jones VP. Biocontrol research in the last five years and the next five. Wash. State Hort. Assoc. Ann. Meeting, Wenatchee, WA. 2-4 Dec. 2013. (invited speaker)

Jones VP, U Chambers, B Petit. Our war with insects: minimizing the failure to anticipate and adapt with technology. National Entomological Society of America Symposia, Austin, Tx. 10 Nov. (invited speaker)

2012

Jones VP. Using HIPVs to sample natural enemies in Western apple, pear, and walnut orchards. Western Orchard Pest and Disease Management Conference, Portland, OR. 11-13 Jan.

Jones VP. Models to assess pesticide impacts on CM, OBLR and the lacewing *C. nigricornis*. Washington Tree Fruit Research Commission Pest Management Meeting, Pasco, WA. 25-26 Jan.

Jones VP. Enhancing BC in apples: how do conventional and organic systems differ? Washington Tree Fruit Research Commission Pest Management Meeting, Pasco, WA. 25-26 Jan.

Jones VP. Peering into the future: The directions for apple IPM and the role of Biocontrol. Washington Tree Fruit Research Commission Pest Management Meeting, Pasco, WA. 25-26 Jan. (invited speaker)

Jones VP and U Chambers. Decision support systems to aid in the adoption of IPM programs in tree fruits. Symposium presentation, Pacific Branch Entomological Society of America, Portland, OR. 26-28 March (invited symposium speaker).

Jones VP. How a perfect storm of technology, legislation, and applied ecology can potentially lead to IPM in Western Orchards. Purdue University, Dept. Entomology seminar, West Lafayette, IN. 11-13 April (invited speaker).

Jones VP. How a perfect storm of technology, legislation, and applied ecology can potentially lead to IPM in Western Orchards. UC Davis, Dept. Entomology seminar, Davis, CA. 24-25 April (invited speaker)

Jones VP. Monitoring and modeling natural enemies to enhance biological control in Western USA tree crops. 2nd International Organic Fruit Research Symposium. International Association of Horticultural Science, Leavenworth, WA. 18-20 June (invited speaker).

Jones VP. Information transfer using low and high technology. Afghan Executive Management training course. Wenatchee, WA. 13 Sept. (45 min presentation).

Jones VP. Using the WSU-Decision Aid System to manage tree fruit pests in nursery situations. Northwest Nursery Improvement Institute. Wenatchee, WA. 11 Oct (invited speaker).

Jones VP. Evaluation of environmental data used for IPM models. Washington Tree Fruit Research Commission Technology meeting. Ellensburg, WA. 25 Oct.

Jones VP and U Chambers. Long-range forecasts, virtual weather stations, and new models for WSU-DAS. WA Tree Fruit Research Commission Technology meeting. Ellensburg, WA. 25 Oct.

Jones VP and U Chambers. Update on WSU-Decision Aid System and Biocontrol research. WA State

Curriculum Vitae

Horticultural Association Annual Meeting, Yakima, WA. 3-5 Dec. (invited speaker).

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Jones VP. Using herbivore-induced plant volatiles to enhance biological control in Western Apple, Pear, and Walnut orchards. National ESA Symposium, Reno - *Host Plant Volatiles: Identifying New Approaches for Insect Pest Management*. 13 Nov.

Jones VP and U Chambers. Delivery of science-based information. WA State Hort. Assoc. 5 Dec. Wenatchee, WA

Jones VP. Predicting when natural enemies are present and a lot more. WA Hort. Assoc. 6 Dec., Wenatchee, WA

Jones VP and U Chambers. Evaluation of environmental data used in IPM models. Wash. Tree Fruit Research Commission Technology Review. Ellensburg, WA. 29 Nov.

Jones VP, J Park. Automated monitoring of insect populations. Wash. Tree Fruit Research Commission Technology Review. Ellensburg, WA. 29 Nov

Jones VP, J Park. Development of automated traps for monitoring pests in tree fruits. WSU-Sunrise Annual Field Day, 16 Aug. Wenatchee, WA.

Jones VP. Progress and highlights of the SCRI grant to enhance BC in western orchards. WSU-Sunrise Annual Field Day, 16 Aug. Wenatchee, WA.

Jones VP. SCRI overview and new techniques to monitor natural enemies and the development of natural enemy models. OSU-MCAREC Field Day 20 July, Hood River, OR.

Jones VP and U Chambers. Evaluating the US national digital forecast database for use as virtual weather stations to drive the WSU-Decision Aid System. 9th International Symposium on Modeling in Fruit Research and Orchard Management, 19-23 June, St. Jean-sur-Richelieu, Quebec, Canada

Jones VP. How IPM can help reduce chemical offsite movement. NRCS Conference on role of conservation buffers in protecting natural resources. 19-20 April. Portland, OR. (invited speaker)

Jones VP and U Chambers. Web-based IPM and biological control educational programs. Wash. Tree Fruit Res. Commission Technology Review. 14 April.

Jones VP. Enhancing biocontrol in Western orchards: An overview. UC IPM planning meeting, 15 April. Davis, CA.

Jones VP. WSU-DAS: an overview. UC IPM planning meeting, 15 April. Davis, CA.

Jones VP. Enhancing biocontrol in Western orchards: An overview. Wash. Tree Fruit Res. Commission Pest Management Review. 27 Jan. Yakima, WA. (invited speaker)

Jones VP and U Chambers. Defining natural enemy biology and phenology to improve IPM. Wash. Tree Fruit Res. Commission Pest Management Review. 27 Jan. Yakima, WA.

Jones VP and U Chambers. Enhancing BC in apples: how do conventional and organic IPM systems differ? Wash. Tree Fruit Res. Commission Pest Management Review. 27 Jan. Yakima, WA.