

## Curriculum Vitae

GOV. MSG. NO. 501

**Dr. Arnold H. Hara, Professor & Entomologist**  
 Dept. of Plant and Environmental Sciences, University of Hawaii at Manoa  
 Beaumont Agricultural Research Center, [REDACTED]  
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**EDUCATION:** University of Hawaii at Manoa, B.S. Entomology (1974), M.S. Entomology (1977)  
 University of California, Davis, Ph.D. Entomology (1982)

**PROFESSIONAL APPOINTMENTS:**

1991 - present.	Entomologist;	50% Research, 50% Extension.
1987 - 1991.	Associate Entomologist;	50% Research, 50% Extension.
1982 - 1987.	Assistant Entomologist;	70% Research, 30% Extension. Tenured 1987.

**MAJOR RESPONSIBILITIES:**

Dr. Hara has been with the University of Hawaii for over 33 years focusing on insect and mite pests of agricultural and floricultural crops, elucidating the bionomics of these pests, and developing pest management programs that minimize the use of chemical pesticides. Dr Hara innovates preharvest and postharvest control treatments in a systems approach to quarantine security for floricultural crops to meet stringent interisland, interstate and foreign quarantine regulations. Some of his research accomplishments include the development of heat treatments to control quarantine pests, including the invasive coqui frog.

**PROFESSIONAL and HONOR SOCIETIES:**

Entomological Society of America, American Chemical Society, Hawaiian Entomological Society,  
 American Society for Horticultural Science, Sigma Xi, Gamma Sigma Delta, Epsilon Sigma Phi

**AWARDS and RECOGNITIONS:**

Hawaii Island Landscape Association Kupuna Award, Nov 2014  
 Above and Beyond Award 2013 Honorable Mention, First Annual Hawaii Invasive Species Council Awards  
 Hawaii Export Nursery Association, Hawaii MIDPAC Hall of Fame 2012  
 Hawaii Florist & Shippers Association & Hawaii Floriculture & Nursery Association Award Recipient 2012  
 Excellence in Research Award, UH-CTAHR, 2011  
 Governor's State TEAM of the Year Award, Quarantine First Responders Team 2010  
 Best Educational Display on Invasive Species, 55<sup>th</sup> Annual Hilo Orchid Society Show, 2007  
 Aurora Gold Award for "Coqui Frog Invasion in Hawaii", 2005  
 Hawaii Export Nursery Association, Mid-Pacific Exposition, Best Booth Award, 2005  
 Excellence in Extension Award for Outstanding Performance and Results, UH-CTAHR, 2005  
 Certificate of Appreciation, Chrysanthemum white rust, USDA, APHIS, 2004  
 Distinguished Achievement Award in Regulatory Entomology, Entomological Society of America, 2000  
 Outstanding Service to Hawaii Florists and Shippers Association, 2000  
 Epsilon Sigma Phi, 1998, IPM Implementation Team Award  
 Gamma Sigma Delta, 1991, Outstanding Extension Person  
 Nominated 1998 Society of American Florists Alex Laurie Award for Research & Extension

**PUBLICATIONS (1982-2014):****BOOK CHAPTERS**

Hara, A. H., Kishimoto, C. M. and Niino-DuPonte, R, Y. 2013. Host Range of the Nettle Caterpillar *Darna pallivitta* (Moore) (Lepidoptera: Limacodidae) in Hawai'i, pp. 183-191, *In* Jorge E. Peña [ed.], Potential Invasive Pests of Agricultural Crop Species. CAB International, UK.

Hara, A. H. 1994. Ornamental and flowers, pp. 329-347, *In* R. E Paull & J. W. Armstrong [eds.], *Insect Pests and Fresh Horticultural Products: Treatments and Responses*. CAB International, Wallingford, UK.

#### ARTICLES IN REFEREED JOURNALS

- Hara, A.H., Aoki, K. L., Cabral, S. K. and Niino-DuPonte, R. Y. 2014. Attractiveness of Gel, Granular, Paste and Solid Formulations of Ant Bait Insecticides to the Little Fire Ant, *Wasmannia auropunctata* (Roger) (Hymenoptera: Formicidae). *Proc. Hawaii. Entomol. Soc.* 46: 45-54.
- Hollingsworth, R.G., F. Calvert and A. H. Hara. 2012. *Dichromothrips smithi* (Zimmermann), a new thrips species infesting bamboo orchids *Arundina graminifolia* (D. Don) Hochr. And commercially grown orchids in Hawaii. *Proc. Hawaii. Entomol. Soc.* 44:1-9.
- Cabos, R.Y.M. M.M.C. Tsang, A.H. Hara, and A. Kawabata. 2012. Eradication of *Rotylenchulus reniformis* from a volcanic cinder medium using steam sterilization. *Nematropica* 42: 245-252.
- Cabos, R.Y.M. A.H. Hara, and M.M.C. Tsang. 2012. Hot water drench treatment for control of reniform nematodes in potted dracaena. *Nematropica* 42:72-79.
- Hara, A. H., S. K. Cabral, R. Y. Niino-DuPonte, C. M. Jacobsen and K. Onuma. 2011. Bait insecticides and hot water drenches against the little fire ant, *Wasmannia auropunctata* (Roger) (Hymenoptera: Formicidae) infesting containerized nursery plants. *Florida Entomol.* 94: 517-526.
- Marr, S. R., S. A. Johnson, A. H. Hara, M. E. McGarrity. 2010. Preliminary evaluation of the potential of the helminth parasite *Rhabdias elegans* as a biological control agent for invasive Puerto Rican coqui (*Eleutherodactylus coqui*) in Hawaii. *Biological Control* 54: 69-74.
- Tsang, M.M.C., A. H. Hara and M. H. Shintaku. 2010. Thermal tolerance of propagative anthurium stem cuttings to disinfestation by heat treatment for burrowing nematodes and bacterial blight. *Crop Protection* (In press).
- Hara, A., C. Jacobsen, S. Marr and R. Niino-DuPonte. 2010. Hot water as a potential disinfestation treatment for an invasive anuran, the coqui frog, *Eleutherodactylus coqui* Thomas (Anura: Leptodactylidae), on potted plants. *Inter. J. Pest Manage.* (in press).
- Xu, T., C.M. Jacobsen, A.H. Hara, J. Li and Q.X. Li. 2008. Efficacy of systemic insecticides on the gall wasp *Quadrastichus erythrinae* in wiliwili trees (*Erythrina spp.*) *Pest Manag. Sci.* 65: 163-169.
- Marr, S.R, W.J. Mautz and A.H. Hara. 2008. Parasite loss and introduced species: a comparison of the parasites of the Puerto Rican tree frog, (*Eleutherodactylus coqui*), in its native and introduced ranges. *Biol. Invasions* 10: 1289-1298.
- Conant, P., C.K. Hirayama, C.M. Kishimoto and A.H. Hara. 2006. *Trichogramma papilionis* (Nagarkatti), the first recorded *Trichogramma* species to parasitize eggs in the family Limacodidae. *Proc. Hawaiian Entomol. Soc.* 38: 133-135.
- Xu, T., C. Jacobsen, A. Hara and Q. Li. 2006. Application of an enzyme-linked immunosorbent assay for the analysis of imidacloprid in wiliwili tree, *Erythrina sandwichensis* O. Deg, for control of the wasp *Quadrastichus erythrinae*. *J. Agric. Food Chem.* 54: 8444-8449.
- Woolbright, L.L., A.H. Hara, C.M. Jacobsen, W.J. Mautz and F.L. Benevides. 2006. Population densities of the coqui, *Eleutherodactylus coqui* (Anura: Leptodactylidae) in newly invaded Hawaii and in native Puerto Rico. *J. Herpetol.* 40: 122-126.
- Hara, A. H. and C. M. Jacobsen. 2005. Hot water immersion for surface disinfestations of *Maconellicoccus hirsutus* (Homoptera: Pseudococcidae). *J. Econ. Entomol.* 98: 284-288.
- Arcinas, A. B.S. Sipes, A.H. Hara, and M.M.C. Tsang. 2005. Effect of conditioning treatments on the survival of *Radopholus similis* at high temperatures. *Journal of Nematology* 37:250-253.
- Tsang, M.M.C., A.H. Hara & B.S. Sipes. 2004. Efficacy of hot water drenches of Anthurium andraenum plants against the burrowing nematode, *Radopholus similis*, and plant thermotolerances. *Ann. Appl. Biol.* 125: 309-316.
- Arcinas, A.C., B.S. Sipes, A.H. Hara, & M.M.C. Tsang. 2004. Hot water drench treatments for the control of *Radopholus similis* in rhaps and fishtail palms. *HortScience* 39:578-579.
- Hara, A.H., L.L. Burnham Larish & M.M.C. Tsang. 2003. Potential for hot-air disinfestation of protea flowers. *Acta Hort.* 602: 61-65.
- Jacobsen, C. M. & A. H. Hara. 2003. Irradiation of *Maconellicoccus hirsutus* (Homoptera: Pseudococcidae), for phytosanitation of agricultural commodities. *J. Econ. Entomol.* 96: 1334-1339.
- Tsang, M.C., A. H. Hara & B. S. Sipes. 2003. Hot-water treatments of potted palms to control burrowing nematode, *Radopholus similis*. *Crop Protection* 22: 589-593.

- Hara, A.H. 2002. Preventing alien species invasion by pre-shipment disinfestation treatments. *Micronesica* Supplement 9: 105-110.
- Hara, A. H., J. A. Yalem, E. B. Jang, & J. H. Moy. 2002. Irradiation as a possible quarantine treatment for green scale, *Coccus viridis* (Green) Homoptera: Coccidae. *Postharvest Biol. Tech.* 25: 349-358.
- Tsang, M.C., A. H. Hara & B. S. Sipes. 2001. A hot water drenching system for disinfesting roots and media of potted plants of the burrowing nematode. *Applied Engineering in Agriculture* 17: 533-538.
- Yalem, J. A., A. H. Hara, S. H. Saul, E. B. Jang & J. H. Moy. 2001. Effects of gamma irradiation on the life stages of yellow flower thrips, *Franliniella schultzei* (Trybom) (Thysanoptera: Thripidae) *Ann. Appl. Biol.* 138: 263-268.
- Giblin-Davis, R., R. Gries, B. Crespi, L. Robertson, A. Hara, G. Gries, C. O'Brien & H. Pierce, Jr. 2000. Aggregation pheromones of two geographical isolates of the New Guinea sugarcane weevil, *Rhabdoselus obscurus*. *J. Chem. Ecol.* 26: 2763-2780.
- Hollingsworth, R. G., A. H. Hara & K. T. Sewake. 2000. Pesticide use and grower perceptions of pest problems on ornamental crops. *J. Extension* 38 (1): 11pp. <http://joe.org/joe/2000february/rb1.html>.
- Hara, A. H., C. M. Jacobsen, M. C. Tsang, T. Y. Hata, J. T. Yogi & R. T. Kaneko. 1999. Hot-air or -water conditioning and benzyladenine increase the vase life of certain hot-water treated tropical ornamentals. *J. Hawaii. Pac. Agric.* 10: 1-12.
- Hata, T. Y., Hara, A. H. & Hu, B.K.S. 1997. Molluscicides and mechanical barriers against slugs, *Vaginula plebeia* Fischer and *Veronicella cubensis* (Pfeiffer) (Sylommataphora: Veronicellidae) *Crop Protection* 16: 501-506.
- Hara, A. H., T. Y. Hata, B. K. S. Hu & M. M. C. Tsang. 1997. Hot-air induced thermotolerance of red ginger flowers and mealybugs to postharvest hot-water immersion. *Postharvest Biol. Tech.* 12: 101-108.
- Hara, A. H., T. Y. Hata, V. L. Tenbrink, B. K. S. Hu & R. T. Kaneko. 1996. Postharvest heat treatment of red ginger flowers as a possible alternative to chemical insecticidal dip. *Postharvest Biol. Tech.* 7: 137-144.
- Hara, A. H., T. Y. Hata, V. L. Tenbrink & B. K. S. Hu. 1995. Postharvest treatments against western flower thrips [*Frankliniella occidentalis* (Pergande)] and melon thrips (*Thrips palmi* Karny) on orchids. *Ann. Appl. Biol.* 126: 403-415.
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- Hata, T. Y., A. H. Hara, B. K. S. Hu, R. T. Kaneko & V. L. Tenbrink. 1995. Excluding pests from red ginger flowers with insecticides and pollinating, polyester or polyethylene bags. *J. Econ. Entomol.* 88: 393-397.
- Hara, A. H., T. Y. Hata, B. K.-S. Hu, R. T. Kaneko & V. L. Tenbrink. 1994. Hot-water immersion of cape jasmine cuttings for disinfestation of green scale (Homoptera: Coccidae). *J. Econ. Entomol.* 87: 1569-1573.
- Hata, T. Y., A. H. Hara, M. A. Nagao & B. K. S. Hu. 1994. Hot-water disinfestation treatment and indole-3-butyric acid stimulate rooting and shoot development of tropical ornamental cuttings. *HortTechnology* 4: 159-162.
- Hansen, J. D. & A. H. Hara. 1994. A review of postharvest disinfestation of cut flowers and foliage with special reference to tropicals. *Postharvest Biol. Tech.* 4: 193-212.
- Hara, A. H., H. K. Kaya, R. Gaugler, L. M. LeBeck & C. L. Mello. 1993. Entomopathogenic nematodes for biological control of the leafminer, *Liriomyza trifolii* (Diptera: Agromyzidae). *Entomophaga* 38: 87-91.
- Hata, T. Y., A. H. Hara, B. K. S. Hu, R. T. Kaneko & V. L. Tenbrink. 1993. Field sprays and insecticidal dips after harvest for pest management of *Frankliniella occidentalis* and *Thrips palmi* (Thysanoptera: Thripidae) on Orchids. *J. Econ. Entomol.* 86: 1483-1489.
- Hara, A. H., T. Y. Hata, B. K. S. Hu & V. L. Tenbrink. 1993. Hot-water immersion as a potential quarantine treatment against *Pseudaulacaspis cockerellii* (Homoptera: Diaspididae). *J. Econ. Entomol.* 86: 1167-1170.
- LeBeck, L. M., R. Gaugler, H. K. Kaya, A. H. Hara & M. W. Johnson. 1993. Host stage suitability of the leafminer *Liriomyza trifolii* (Diptera: Agromyzidae) to the entomopathogenic nematode *Steinernema carpocapsae* (Rhabditida: Steinernematidae) *J. Invertebr. Pathol.* 62: 58-63.
- Hata, T. Y., A. H. Hara, E. B. Jang, L. S. Imano, B. K. S. Hu & V. L. Tenbrink. 1992. Pest management before harvest and insecticidal dip after harvest as a systems approach to quarantine security for red ginger. *J. Econ. Entomol.* 85: 2310-2316.

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- Hata, T. Y. & A. H. Hara. 1992. Anthurium thrips, *Chaetanaphothrips orchidii* (Moulton): biology and insecticidal control on Hawaiian anthuriums. *Trop. Pest Manage.* 38: 230-233.
- Hara, A. H. & T. Y. Hata. 1992. Ant control on protea in Hawaii. *Scientia Horticulturae* 51: 155-163.
- Hata, T. Y. & A. H. Hara. 1992. Anthurium whitefly, *Aleurotulus anthuricola* Nakahara: biology and control in Hawaii. *Trop. Pest Manage.* 38: 152-154.
- Hansen, J. D., A. H. Hara & V. L. Tenbrink. 1992. Vapor Heat: A potential treatment to disinfest tropical cut flowers and foliage. *HortScience* 26: 139-143.
- Hansen, J. D., A. H. Hara & V. L. Tenbrink. 1992. Insecticidal dips for disinfesting commercial tropical cut flowers and foliage. *Trop. Pest Manage.* 38: 245-249.
- Purcell, M., M. W. Johnson, L. M. LeBeck & A. H. Hara. 1992. Biological control of *Helicoverpa zea* (Lepidoptera: Noctuidae) with *Steinernema carpocapsae* (Rhabditida: Steinernematidae) in corn used as a trap crop. *Environ. Entomol.* 21: 1441-1447.
- Hata, T. Y., A. H. Hara & J. D. Hansen. 1991. Feeding preference of melon thrips on orchids in Hawaii. *HortScience* 26: 1294-1295.
- Hansen, J. D., A. H. Hara, H. T. Chan, Jr. & V. L. Tenbrink. 1991. Efficacy of hydrogen cyanide fumigation as a treatment for pests of Hawaiian cut flowers and foliage after harvest. *Econ. Entomol.* 84: 532-536.
- Hansen, J. D., H. T. Chan, A. H. Hara & V. L. Tenbrink. 1991. Phytotoxic reaction of Hawaiian cut flowers and foliage to hydrogen cyanide fumigation. *HortScience* 26: 53-56.
- Hara, A. H., R. Gaugler, H. K. Kaya & L. M. LeBeck. 1991. Natural populations of entomopathogenic nematodes (Rhabditida: Heterorhabditidae and Steinernematidae) from the Hawaiian Islands. *Environ. Entomol.* 20: 211-216.
- Hara, A. H., & S. Matayoshi. 1990. Parasitoids and predators of insect pests on chrysanthemums in Hawaii. *Proc. Hawaii. Entomol. Soc.* 30: 53-58.
- Hara, A. H., W. T. Nishijima, J. D. Hansen, B. C. Bushe & T. Y. Hata. 1990. Reduced pesticide use in an IPM program for anthuriums. *J. Econ. Entomol.* 83: 1531-1534.
- Hara, A. H., C. L. Mello, L. H. Arita Tsutsumi & H. K. Kaya. 1989. Laboratory susceptibility of some tropical pest species and a non-target organism to the entomopathogenic nematode, *Steinernema carpocapsae*. *J. Haw. Pac. Agri.* 2: 6-9.
- Hara, A. H., W. T. Nishijima, B. C. Bushe & D. M. Sato. 1989. Mechanical injury - Primary type of unmarketable anthurium flowers in Hawaii. *HortScience* 24: 846-847.
- Hara, A. H., W. T. Nishijima & D. M. Sato. 1988. Impact on anthurium production of controlling an orchid thrips (Thysanoptera: Thripidae), an anthurium whitefly (Homoptera: Aleyrodidae), and a burrowing nematode (Tylenchida: Tylenchidae) with certain insecticide-nematicides. *J. Econ. Entomol.* 81: 582-585.
- Hara, A. H., R. F. L. Mau, D. M. Sato & B. C. Bushe. 1987. Effects of seasons and insecticides on orchid thrips injury of anthuriums in Hawaii. *HortScience* 22: 77-79.
- Johnson, M. W. & A. H. Hara. 1987. Influence of host crop on parasitoids (Hymenoptera) of *Liriomyza* spp. (Diptera: Agromyzidae). *Environ. Entomol.* 16: 339-344.
- Hara, A. H. 1986. Effects of certain insecticides on *Liriomyza trifolii* (Burgess) (Diptera: Agromyzidae) and its parasitoids on chrysanthemums in Hawaii. *Proc. Hawaii. Entomol. Soc.* 26: 65-70.
- Hara, A. H. & R. F. L. Mau. 1986. The orchid weevil, *Orchidophilus aterrimus* (Waterhouse): Insecticidal control and effect on vanda orchid production. *Proc. Hawaii. Entomol. Soc.* 26: 71-75.
- Hara, A. H. & H. K. Kaya. 1983a. Susceptibility of *Spodoptera exigua* pupae from different pupation sites to the nematode *Neoapectana carpocapsae*. *J. Invertebr. Pathol.* 42: 418-420.
- Hara, A. H. & H. K. Kaya. 1983b. Development of the entomogenous nematode *Neoapectana carpocapsae* (Rhabditida: Steinernematidae) in insecticide-killed beet armyworm (Lepidoptera: Noctuidae). *J. Econ. Entomol.* 76: 423-426.
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- Hara, A. H. & H. K. Kaya. 1982. Effects of selected insecticides and nematicides on the *in vitro* development of the entomogenous nematode *Neoapectana carpocapsae*. *J. Nematol.* 14: 486-491.

**ARTICLES IN OTHER PERIODICALS (INCLUDING EXTENSION PUBLICATIONS and Videos)**

- Niino-DuPonte R.Y. and A. Hara. 2015.** Videos <http://www.ctahr.hawaii.edu/haraa/videos.asp>  
 "Sending Pest-Free Products to California" - Part 1, 2A, 2B  
 "Best Management Practices for the Coqui Frog"
- Hara, A. and C. Kwan. 2015.** Root mealybugs. Landscape Hawaii, Landscape Industry Council of Hawaii. HI.November-December 2015:18, 28.
- Hara, A.H., R.Y. Niino-DuPonte, S.K. Cabral. 2014.** Sending flowers to the mainland? University of Hawaii at Manoa, CTAHR, Honolulu, HI.  
[http://www.ctahr.hawaii.edu/haraa/sending%20pest%20free%20products%20\\_posting.pdf](http://www.ctahr.hawaii.edu/haraa/sending%20pest%20free%20products%20_posting.pdf)
- Hara, A.H., S.K. Cabral, R.Y. Niino-DuPonte, and J.M. Miyashiro. 2014 (rev Mar 2014).** Little fire ant products available for homeowner use. University of Hawaii at Manoa, CTAHR, Honolulu, HI.  
<http://www.ctahr.hawaii.edu/haraa/HomeownerLFAAttractancyrev030314CES.pdf>
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[http://www.ctahr.hawaii.edu/haraa/rev%20Nursery\\_Landscape\\_LFA\\_Pesticides\\_5\\_2014CES.pdf](http://www.ctahr.hawaii.edu/haraa/rev%20Nursery_Landscape_LFA_Pesticides_5_2014CES.pdf)
- Hara, A., R. Niino-DuPonte, and S. Cabral. 2014.** Best management practices to prevent and control the little fire ant. Landscape Hawaii, Landscape Industry Council of Hawaii. May/June: 20-22.
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- Cabral, S, K, A. H. Hara and K. L. Aoki. 2012.** Efficacy of hydramethylnon, indoxacarb, and methoprene baits against the little fire ant *Wasmannia auropunctata* (Roger) (Hymenoptera: Formicidae), pp 80-84, *In* Conf. Proc. 2012 Imported Fire Ant Conf., Nashville, Tennessee.
- Hara, A. H. and R. K. Bento III. 2012.** Coconut and Palm Pests Alert. College of Tropical Agriculture and Human Resources, University of Hawaii at Manoa, Cooperative Agricultural Pest Survey.
- Young, C. and A. Hara. 2012.** The good guys, *In* C. Dacus and C.M. Dacus (eds.). Hawaii Landscape Dec 2011/Jan 2011, Landscape Industry Council of Hawaii.
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- Hara, A. H., S. K. Cabral and K. R. Aoki. 2011.** Efficacy of spirotetramat against aphids and mealybugs on red ginger, 2009. *Arthropod Manage. Tests* 36: (G19).
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- Hara, A. H. & R. Niino-DuPonte. 2010a.** Tips for outwitting the wily coqui frog. *Hawaii Tribune Herald*, Jan 10, 2010.
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- Hara, A. H. and C. M. Jacobsen. 2007.** Efficacy of Judo, Tetrasan, Avid and Ultiflora against Pacific flat mite infesting dendrobium orchids, 2005. *Arthropod Manage. Tests* 32: (G47).
- Jacobsen, C. M. and A. H. Hara. 2007.** Controlled release granular acephate against thrips infesting potted dendrobium orchid, 2004. *Arthropod Manage. Tests* 32: (G48).
- Jacobsen, C. M., A. H. Hara & S. G. Chun 2006.** Methiocarb and metaldehyde against snails infesting potted orchids, 2005. *Arthropod Manage. Tests* 31: (G28).
- Jacobsen, C. M., A. H. Hara & S. G. Chun 2006.** Efficacy of Discus, Safari, and Talstar against insects infesting red giner flowers, 2005. *Arthropod Manage. Tests* 31: (G61).

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- Chun, S., A. Hara, W. Nagamine, P. Conant, C. Hirayama, R. Niino-Duponte. 2005.** Stinging nettle caterpillar, *Darna pallivitta*. Cooperative Extension Service, College of Tropical Agriculture and Human Resources, University of Hawaii at Manoa, Publication IP-22.
- Kawabata, A. F., A. Hara & C. Jacobsen. 2005.** Mite control chart. Cooperative Extension Service, College of Tropical Agriculture and Human Resources, University of Hawaii at Manoa, CTAHR Insect Pest Publication IP-19, Nov. 2004, 2 pp.
- Hara, A. H. 2005.** Low-Cost Postharvest Techniques Heat treatments. *FloraCulture International* 16: <http://www.floracultureintl.com/archive/articles/1406.asp>.
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- Hara, A. H. & D. J. Kawakami 1987. Phytotoxicity on dendrobium, Hawaii, 1986. Insectic. Acaric. Tests 12: 344.
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- Hara, A. H. & T. Y. Hata. 1986. Pest management of tropical flowering plants. pp. 41-44, *In* P.B. Schultz (ed.), 2nd Conf. Insect Disease Management Ornamentals, Louisville, Ky., Soc. Am. Flor.
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- Hara, A. H. 1985. Management of the orchid weevil. pp. 22-23 *In* Proc. Hawaii Commercial Dendrobium Conf., Hilo, Hawaii, University of Hawaii CTAHR, 67 pp.
- Hara, A. H. 1985. Phytotoxicity on 'Ozaki' anthurium, Hawaii, 1984. Insectic. Acaric. Tests 10:305.
- Hara, A. H. 1985. Phytotoxicity on 'Marian Seefurth' anthurium, Hawaii, 1984. Insectic. Acaric. Tests 10:305.
- Hara, A. H. 1985. Phytotoxicity on 'Luv' and 'Surf' potted-chrysanthemums, Hawaii, 1983. Insectic. Acaric. Tests 10:305.
- Hara, A. H. 1985. Phytotoxicity on vanda orchid with Dursban, Hawaii, 1983. Insectic. Acaric. Tests 10:305-306.
- Hara, A. H. 1985. Phytotoxicity tests on flowers and foliage of 'Pink Mink' protea, Hawaii, 1983. Insectic. Acaric. Tests 10:306.
- Hara, A. H. 1985. Identification, biology and control of mites on orchids in Hawaii. pp. 19-21, *In* M. P. Parrella (ed.), Proc. 1st Conf. Insect Mite Management Ornamentals, San Jose, Calif., Soc. of Am. Flor. 112 pp.

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- Hara, A. H. & R. F. L. Mau. 1984. Phytotoxicity on poinsettia, Hawaii, 1982. Insectic. Acaric. Tests 9:387.
- Hara, A. H. & R. F. L. Mau. 1984. Insect control on chrysanthemums. pp. 162-171 *In* Proc. 2nd Annu. Fertilizer and Ornamentals Short Course, Honolulu, Hawaii, Univ. of Hawaii, CTAHR, 238 pp.
- Mau, R. F. L. & A. H. Hara. 1984. Preparation of visual aid slides. Univ. of Hawaii, HITAHR, Information Text Series 005, 9 pp.
- Hara, A. H. & R. F. L. Mau. 1983. Phytotoxicity on poinsettia, Hawaii, 1982. Insectic. Acaric. Tests 8:74.
- Hara, A. H. & R. F. L. Mau. 1983. Survey of insect pests of protea in Hawaii. Growing and Marketing Proteas 2:21-28.
- Hara, A.H., R. F. L. Mau, R. A. Criley, & M. Wong. 1983. Phytotoxicity of insecticides and miticides to ornamental plants. Proc. 1st Fertilizer and Ornamental Workshop, Univ. of Hawaii, HITAHR, Research Extension Series 037:97-101.

#### CONFERENCE PRESENTATIONS:

##### Invited National and International Conferences/Symposia/Workshops

- Bethke, J.A., L. Osborne, A.Hara, C.L. Palmer. 2015. Destination assessment of pre-ship treatments with biologicals on ornamental plant cuttings. Entomological Society of America Annual Meeting, Minneapolis, MN.
- Hara, A. H. 2014 Hawaiian Exports to California – Hot Water Treatments and Snail Control, County of San Diego, Dept. of Agriculture, Weights and Measures, Plant Health and Pest Prevention, San Marcos, CA, Feb 2014.
- Hara, A. H., S. K. Cabral. 2013. Invasive species management in Hawaii, *In* Advances in Pest Management for Turfgrass and Ornamentals, Entomological Society of America Annual Meeting, Austin, Texas.
- Hara, A. H. 2013. Hot water and steam in a systems approach to pest control, California Nursery Conference, Etiwanda, CA, Oct 2013.
- Hara, A. H. 2013. Slug control efforts in Hawaii, Workshop on Slugs and Snails Biology and Control in Agriculture, Nurseries and Landscapes, San Marcos, CA, Mar 2013.
- Hara, A. H. 2013. Hawaii's effort to send clean nursery stock to California, San Diego County Agriculture, Weights & Measures, San Marcos, CA, Mar. 2013.
- Hara, A. H. H. 2012. Heat as a postharvest disinfestation for floricultural crops, Symposium on Urban, Stored Products and Post Harvest Entomology, XXIV International Congress of Entomology, Aug 2012, Daegu, Korea.
- Hara, A. H. 2012. Heat as a sustainable postharvest disinfestation treatment for export horticultural crops (Keynote speaker). International Conference on Postharvest Pest and Disease Management in Exporting Horticultural Crops, Bangkok, Thailand.
- Hara, A. H. 2011. Entomology in Hawaii and assistance to Japan, *In* Impact of the March 2011 Japanese Earthquake and Tsunami on Entomologists, Research and Society, Entomological Society of America Annual Meeting, Reno, Nevada.
- Hara, A. H. 2011. Systems Approach to Quarantine Treatments for Export Ornamental, *In* Quarantine Treatments for Export Markets of Hawaiian Horticultural Crops. American Society for Horticultural Sciences, 2011 Annual Conference, Waikoloa, Hawaii.
- Hara, A.H. 2011. Preventing spread of invasive species using heat treatments and irradiation, *In* Symposium: Prevention, Containment and Management of Invasive Ornamental Pests, Pacific Branch Entomological Society of America, March 2011, Waikoloa, HI.
- Hara, A. H. C. M. Kishimoto and R. Y. Niino-DuPonte 2010. Host range of the nettle caterpillar, *Darna pallivitta* (Moore) (Lepidoptera: Limacodidae) in Hawaii. Potential Invasive Species Workshop, University of Florida, Miami, Florida.
- Hara, A. H. 2009. Control of the invasive coqui frog in Hawaii. Session: Innovative ecotoxicological and conservation strategies for the eradication of invasive and nuisance species. Annual Meeting of the Society of Environmental Toxicology and Chemistry (SETAC), New Orleans, Louisiana.
- Hara, A. H. and K. K. Onuma. 2008. Pest Management of invasive species on tropical ornamentals. Symposium: The Changing Nature of Pest Management for Ornamentals and Turfgrass. Annual Meeting Entomological Society of America, Reno, Nevada.

- Hara, A. H., C. M. Jacobsen, R. Y. Niino-DuPonte and K. Onuma. 2008. The invasive species crisis in Hawaii. Symposium: Invasive Species, Southeastern Branch, Entomological Society of America, 82<sup>nd</sup> Annual Meeting, Jacksonville, Florida.
- Hara, A. H. 2007. Quarantine treatments for increasing agrosecurity, *In Agrosecurity: New Approaches to Old Problems*, Pacific Entomology Conference, Hawaiian Entomological Society, Feb 21-22, 2007, Honolulu, HI.
- Hara, A. H., C. M. Jacobsen and R. Y. Niino-DuPonte. 2006. Reduced-risk insecticides against tropical floricultural pests in Hawaii. Symposium: Recent Advances in the Biological Control and Chemical Control of Arthropods in Floriculture. Pacific Branch, Entomological Society of America, 90th Annual Meeting, Wailea Resort, Maui, Hawaii.
- Jacobsen, C. and A. H. Hara. 2006. Chemical control of *Quadrastichus erythrinae* infesting *Erythrina* spp. in Hawaii's diverse environmental conditions. Symposium: Recent Advances in the Biological Control and Chemical Control of Arthropods in Floriculture. Pacific Branch, Entomological Society of America, 90th Annual Meeting, Wailea Resort, Maui, Hawaii.
- Hara, A. H. 2006. Immediate management of new invasive species in Hawaii. Symposium: Mitigating Pacific Rim Invasions, Pacific Branch, Entomological Society of America, 90th Annual Meeting, Wailea Resort, Maui, Hawaii.
- Hara, A. H. 2005. Hawaii IPM Report. Western Region IPM Coordinating Meeting, Apr 20-21, 2005, Wilsonville, OR.
- Hara, A. H. 2005. Alien species crisis in Hawaii. 11<sup>th</sup> Pacific Entomology Conference, Feb 16-17, 2005, Honolulu, HI.
- Hara, A. H. 2004. Neonicotinoids Against Tropical Pests. Neonicotinoid Technical Conference, Valent Corp., Dec 2004, Phoenix, AZ.
- Hara, A. H. 2004. Heat treatments in sustainable management systems. Symposium: The Contribution of IPM Towards Sustainable Management Systems in Greenhouse/Nursery Production, Pacific Branch, Entomological Society of America, 88th Annual Meeting, June 2004, Bozeman, Montana.
- Hara, A.H. 2004. Irradiation as a phytosanitary treatment for perishable commodities. Food Irradiation: Discussing the International Research and Policy Agenda, The National Center for Electron Beam Food Research, March 2004, Texas A & M University, College Station, Texas.
- Hara, A.H. 2003. Slug control efforts in Hawai'i. Snail and Slug Technical Meeting, University of California Statewide IPM Program, Sept 2003, Costa Mesa, CA.
- Hara, A.H. 2003. Heat treatments for control of nematodes and insects on tropical flowers. Yokohama Plant Protection Station. Jun 2003, Yokohama, Japan.
- Hara, A. H. 2002. Alien species invasion in Hawaii. Section E Symposium: Risk Analyses and Applied Management of Invasive Species, Annual Meeting Entomological Society of America, Nov 2002, Fort Lauderdale, FL.
- Hara, A. H., M. C. Tsang and L. L. Burham Larish. 2002. Potential of hot air disinfestation of protea pests. International Protea Association Conference, Wailea, Maui, Hawaii.
- Hara, A. H. 2001. Preventing alien species invasion by pre-shipment disinfestations treatments. 10<sup>th</sup> Pacific Science Inter-Congress, Tamuning, Guam.
- Hara, A. H. 2001. Development of strategies for nontarget pests associated with irradiated products. USDA, APHIS/ARS Irradiation (operations) Workshop. USDA, APHIS. Hilo, Hawaii.
- Hara, A. H. Tsang and B. Sipes. 2000. Heat treatments and irradiation for pests of quarantine significance. Hawaii MidPac Horticultural Conference & Trade Show, Hawaii Export Nursery Association, Hilo, Hawaii.
- Hara, A. H. 2000. Heat Treatments for Pests of Quarantine Significance. Workshop on Alternative Quarantine Treatments and Post Harvest Handling Methods. Agricultural Committee of Asia and Pacific Economic Cooperation (APEC), Kailua-Kona, Hawaii.
- Hara, A. H. 2000. Aphid, Mealybug and Scale Management Strategies (panelist). 16<sup>th</sup> Annual Conference on Insect and Disease Management on Ornamentals, Society of American Florist, San Jose, CA.
- Hara, A. H. 1999. Heat Treatments for Pests of Quarantine Significance. Hawaii Export Nursery Association, Hawaii MidPac Horticultural Conference & Trade Show, September 21-October 1, 1999, Hilo, HI
- Hara, A. H. 1998. Disinfestation Treatment for Export Ornamentals. United Nations Environment Programme, Methyl Bromide Technical Options Committee meeting, September 09, 1998, Hilo, HI.

- Hara, A. H. 1997. Market Quality in Disinfested Flowers, Foliage and Propagated Plant Material. Symposium on Maintaining Market Quality in Quarantine Treated Commodities, 1997 International Research Conference on Methyl Bromide Alternatives and Emissions Reduction, San Diego, CA
- Hara, A. H. 1997. Greenhouse and Nursery Plant Management Workshop participant sponsored by Valent USA Corp., Park City, UT.
- Hara, A. H. 1997. Postharvest Disinfestation of Tropical Flowers. Taiwan Agricultural Research Institute, Taichung, Taiwan, R.O.C.
- Hara, A. H. 1996. Integrating Biorational Postharvest Treatment with Pest Management. Symposium on Biorational/Biological Control Strategies for Greenhouse Grown Crops, Pacific Branch, Entomological Society of America, 80th Annual Meeting, Big Sky, MT.
- Hara, A. H. 1995. Case Study on Treatments for Cut Flower Exports. United Nations Environment Program (UNEP) & Dept. of Industrial Works, Bangkok, Regional Workshop on Methyl Bromide for Southeast Asia & Pacific (SEAP). Bangkok, Thailand.
- Hara, A. H. 1993. Alternatives to methyl bromide: Assessment of research needs and priorities - Non-Food products. USDA Workshop on Alternatives for Methyl Bromide, Arlington, VA.
- Hara, A. H. 1992. Preharvest pest management and postharvest insecticidal dip as a systems approach to quarantine treatment for tropical cut flowers, *In* V. Y. Yokoyama, J. D. Hansen & J. L. Sharp, USA quarantine treatments - international passports for agricultural commodities, XIX International Congress of Entomology, Beijing, China.
- Hara, A. H. 1991. Foliar applications of entomopathogenic nematodes against *Liriomyza* leafminers. Entomological Society of America National Meeting, Reno, NV.
- Hara, A. H. 1991. Postharvest insect control of tropical flowers. Wholesale Florists and Florist Suppliers of America National Conference, Waikoloa, HI.
- Hara, A. H. 1990. Insect problems of heliconia and ginger. Sixth Annual Heliconia Society International Meeting, Hilo, HI.
- Hara, A. H. 1989. Chemical control of western flower thrips on chrysanthemums in Hawaii. International Conf. on Tomato Spotted Wilt Virus, Honolulu, HI.
- Hara, A. H. 1988. Integrated pest management of anthurium. 18th International Congress of Entomology, Vancouver, B.C., Canada.
- Hara, A. H. 1986. Pest management of tropical flowering plants. 2nd Conference on Insect and Disease Management on Ornamentals, Louisville, Kentucky.
- Hara, A. H. 1985. Identification, biology and control of mites on orchids and thrips on anthuriums. First Conference on Insect and Mite Management on Ornamentals, Society of American Florists, San Jose, CA.
- Hara, A. H. 1983. Problems in paradise: A survey of insect pests on proteas in Hawaii. Second International Protea Conference, International Protea Association, Kaanapali Beach-Maui, HI.

#### **Invited Hawaii Conferences/Workshops/Meetings**

- Hara, A. H. 2015. New and Chronic Invasive Pests and Its Management. Crop Production Service, 15<sup>th</sup> Annual Seminar, Honolulu Country Club, May 2015.
- Niino-DuPonte, R.Y., S.K. Cabral and A. H. Hara. 2015. Pests of Trees and Palms in Hawai'i", Western Section, International Society of Arboriculture, Waikoloa, HI, March, 2015.
- Hara, A. H. 2015. Managing invasive insects in the Hawaiian Landscape, Maintaining Healthy Landscapes, Hawaii Grower Products, Inc. Jan 2015, Maui Lani Golf Course Clubhouse and Waikoloa Queens; Market Place.
- Hara, A. H. 2014. Rhinoceros beetle/lobate lac scale control, 14<sup>th</sup> Annual Landscape Industry Council of Hawaii Green Industry Conference, Honolulu, HI, Oct 2014.
- Cabral, S. K. and A. H. Hara. Systems Approach: Update on CRB, LFA, Thrips Control, Scale Insects and Coqui Frog, 6<sup>th</sup> Annual CPS Nursery Conference, Hilo, Hawaii, Oct 2014.
- Hara, A. H. 2014. Little fire ant, Hawaii Pest Control Association, 2014 Learning Conference, Honolulu, HI, Sept. 1014.
- Cabral, S.K. and A. H. Hara. 2014 Alien Invaders of the Worst Kind – A Systems Approach to Pest Management, University of Hawaii CTAHR Research Station Farm Managers and CTAHR Administrators Meeting, Hilo, Hawaii, Aug 2014.

- Hara, A. H. 2014. Coconut Rhinoceros Beetle, *Oryctes rhinoceros* : A Major Threat to Hawaii's Coconut and Palm Trees, South Oahu Soil and Water Conservation District, Honolulu, HI, Sept 2014.
- Hara, A. H. 2014. Pest Management and Control, Hawaii MIDPAC Horticultural Conference & Expo, Hapuna Beach Prince Hotel, Waikoloa, HI, July 2014.
- Hara, A. H. 2014. Coconut Rhinoceros Beetle Threatens Hawaii's Palm Trees, Crop Production Services 14<sup>th</sup> Annual Seminar and Tradeshow, May 2014, Honolulu Country Club, Honolulu, Hawaii
- Hara, A. H. 2014. Old, New and Expected Landscape Pests in Hawaii, Maui Association of Landscape Professionals, March 25, 2014, Kahului, Maui, Hawaii.
- Hara, A. H. 2013. Insect Pests, In Landscapers' Conference, UH-CTAHR and Kauai Community College Office of Continuing Education & Training, Aug 2013.
- Hara, A. H. 2013. Sending pest-free products to California, UH-CTAHR, Kauai County Moikeha Bldg, Lihue, Kauai, Aug 2013.
- Hara, A. H. 2013. Common Pests & "Green" Solutions. Hawaii MIDPAC Horticultural Conference & Expo, Hapuna Beach Prince Hotel, Waikoloa, HI, July 2013.
- Hara, A. H. 2013. Insecticides and Biologicals Against Invasive Pests in Hawaii, Crop Production Services 13<sup>th</sup> Annual Seminar and Tradeshow, May 2013, Honolulu Country Club, Honolulu, Hawaii
- Hara, A. H. 2012. New Pests and their Control, 3<sup>rd</sup> Annual Hawaii Island Landscape Management Conference, November 17, 2012, Hawaii Island Landscape Association, Hapuna Beach Prince Hotel, Kohala Coast, Hawaii.
- Hara, A. H. 2012. Latest Development in Insect Control, Maui Flower Growers' Association, University of Hawaii Maui College, Kahului, Hawaii Nov. 2, 2012 and Hana Tropicals, Hana, Hawaii, Nov. 3, 2012.
- Hara, A. H. 2012. Newer, Safer Insecticides for Use in the Landscape, Landscape Industry Council of Hawaii (LICH) Green Industry Conference and Tradeshow, October 2012, Blaisdell Exhibition Hall, Honolulu, Hawaii.
- Hara, A. H. 2012. Newer Insecticides and Biologicals against Invasive Pests, Crop Production Services 4<sup>th</sup> Annual Nursery Seminar, October 2012, Hilo Hawaiian Hotel, Hilo, Hawaii.
- Hara, A. H. Hara, A. H. 2012. Quarantine Issues for Hawaii & California and the Systems Approach, Hawaii MIDPAC Horticultural Conference, Jul 2012, Imiloa Astronomy Center, Hilo, Hawaii.
- Hara, A. H. 2012. The Efficacy of Newer Insecticides against Invasive Species in Hawaii, Crop Production Services 12<sup>th</sup> Annual Seminar and Tradeshow, May 2012, Honolulu Country Club, Honolulu, Hawaii
- Hara, A. H. 2012. New and Emerging Pest in the Landscape and Nurseries, Crop Production Services 12<sup>th</sup> Annual Seminar and Tradeshow, May 2012, Honolulu Country Club, Honolulu, Hawaii
- Hara, A.H. 2011. Insect identification & control: The good and the bad, Landscape Management Conference, Hawaii Island Landscape Association, November 12, 2011, Kohala Coast, Hawaii.
- Hara, A. H. 2011. Neonicotinoid & tetronic acid insecticides and biocontrols against ornamental pests in Hawaii, Crop Production Services Nursery Seminar, October 27, 2011, Hilo, Hawaii.
- Hara, A. H. 2011 Control strategies for landscape insect pests, Maui Association of Landscape Professionals, September 20, 2011, Kahului, Maui, Hawaii.
- Hara, A. H. 2011. Invasive Species: Impact & Control, Hawaii Pest Control Association, Learning Conference, September 23, 2011, Koolina, Hawaii.
- Hara, A. H. 2011. California & Hawaii Quarantine Issues, including the coqui frogs, Hawaii MIDPAC, Hawaii Export Nursery Association Educational Conference, July 21, 2011, Hilo, Hawaii.
- Hara, A. H. 2010. Hawaii Cinder Soil Sterilization. Hawaii MIDPAC "New Vision for HENA", Hawaii Export Nursery Association, July 8, 2010, Hilo, HI.
- Hara, A. H. 2010. Biological Control of Insect Pests in Hawaii. Crop Production Services 10<sup>th</sup> Annual Seminar, May 13, 2010, Honolulu, HI.
- Hara, A. H. 2009. Myoporum Thrips: Two Invasive Species on Myoporum or Naio. Crop Production Services 9<sup>th</sup> Annual Seminar, May 14, 2009, Honolulu, HI.
- Hara, A. H. 2009. California Quarantine Issues and Insecticides for Nursery Use. Hawaii MidPac Educational Workshop, Hawaii Export Nursery Association. July 31, 2009, Hilo, HI.
- Hara, A. H. 2009. Understanding Neonicotinoid Insecticides. Crop Production Services 9<sup>th</sup> Annual Seminar, May 14, 2009, Honolulu, HI.
- Hara, A. H. 2009. California and Hawaii Quarantine Pest Issues. Hawaii Florist and Shippers Association Board Meeting, April 23, 2009, Hilo, HI.
2008. Pests of Roses in Hawaii Identification and Control Strategies, The Honolulu Rose Society (HRS), September 13, 2008, Honolulu, HI.

- Hara, A. H. 2008. A Systems Approach to Producing Pest-Free Plants for Export, Hawaii MidPac Horticultural Conference, Hawaii Export Nursery Association. September 05, 2008, Honolulu, HI.
- Hara, A. H. 2008. Control of Invasive Species in Hawaii Part 1&2. United Agri-Products Seminar, Pearl City Country Club, May 15, 2008, Honolulu, HI.
- Hara, A. H. 2007. Update on Insect and Frog Pest Management, Hawaii MidPac Expo, Hawaii Export Nursery Association, June 12, 2007, Hilo, HI.
- Hara, A.H. 2007. Update on Control of the Erythrina Gall Wasp and Other Invasive Pests. United Agri-Products Seminar, May 17, 2007, Honolulu, HI.
- Hara, A.H. 2006. Quarantine pest update. Hawaii Floriculture Industry Seminar, October 27, 2006, Honolulu, HI.
- Hara, A.H. 2006. Insect pest control. Hawaii MidPac Conference, October 19, 2006, Hilo, HI.
- Hara, A.H. 2006. Chemical control of the erythrina gall wasp. United Agri-Products Seminar, May 4, 2006, Honolulu, HI.
- Hara, A.H. 2006. Chemical control of the erythrina gall wasp – Trials and tribulation. Annual Landscape Industry Council of Hawaii Conference, April 20, 2006, Honolulu, HI.
- Hara, A. H. 2006. Invasive species management in Hawaii, Natural Resources Conservation Service Pest Management Training, Mar 9, 06, Honolulu, HI.
- Hara, A. H. 2006. Update on orchid pest control. Dendrobium Orchid Growers Association of Hawaii, Jan. 06, Honolulu, HI.
- Hara, A. H. 2005. Insect, mite and coqui frog controls for exported potted orchids. Hawaii Orchid Growers Association Conference, Hawaii Nanihoa Resort, Oct 7-9, 2005, Hilo, HI.
- Hara, A. H., C. Jacobsen, D. Aoki and E. Ouchi. 2005. Hot water shower treatment for potted plants and Updates on nursery pests and control measures. 2005 Nursery and Floral Industry Pest Control Field Day, Oct 14, 2005, Hilo, HI.
- Hara, A. H. 2005. IPM for pests of ornamentals. Annual Extension IPM Education Meeting, Aug 10-11, 05.
- Hara, A. H. 2005. Coqui frog control methods. Coqui Frog Strategy Meeting, Jun 1, 2005, University of Hawaii at Hilo, Hilo, HI.
- Hara, A. H. and K. Onuma. 2005. Coqui frog presentation and update. Hawaii Island Board of Realtors, Inc. Annual Trade Show, Jun 3, 2005, Hilo Hawaiian Hotel, Hilo, HI.
- Durston, W. and A. H. Hara. 2005. Hot water shower against coqui frogs. Landscape Industry Council of Hawaii Conference, Apr 25, 05, Waikiki Marriott Resort, Honolulu, HI
- Hara, A. H. 2005. Reduced-risk insecticides and non-chemical controls. Hawaii Island Landscape Association, Feb 22, 2005, Hawaii Grower Products, Kailua-Kona, HI.
- Hara, A. H. 2004. Coqui frog invasion in Hawaii” Aloha Exchange Club of East Hawaii, Dec 2004, Hilo, HI.
- Hara, A. H. 2004. Nettle Caterpillar, Glassy-Winged Sharpshooter, Cycad Scale. Nursery Pest Control Field Day, Nov 2004, Kurtistown, HI.
- Hara, A. H. 2004. Research/extension/education on pests on ornamental plants in Hawaii. Hawaii MIDPAC Horticultural Expo, Oct 27-28, 2004, Hilo, HI (poster).
- Hara, A. H. 2004. Research/extension/education on pests on ornamental plants in Hawaii. Hawaii MIDPAC Horticultural Expo, Oct 2004, Hilo, HI.
- Hara, A. H. 2004. Insect growth regulators and reduced risk pesticides. Culture and Pest Management, Hawaii Tropical Flower Council, Oct. 2004, Honolulu, HI.
- Hara, A. H. 2004. Heat Treatments in Floriculture Crops, Federal Floriculture Open House, Hawaii Tropical Flower Council Conference, Oct. 2004, Honolulu, HI.
- Hara, A. H. 2004. Reduced-risk insecticides and non-chemical controls. Maui Association of Landscape Professionals Meeting, Sept. 2004, Kahului, Maui, HI and presented at the Hawaii Florist and Shippers Association Seminar, Oct. 2004, Hilo, HI.
- Hara, A. H. 2004. Update on the Coqui Invasion. Hawaii Island Board of Realtors General Membership Meeting, Sept. 2004, Kailua-Kona, HI.
- Hara, A. H. 2004. The coqi frog invasion. Hilo Bay Rotary Club Meeting, Sept. 2004, Hilo, HI.
- Hara, A. H. 2004. Disinfestation of insect pests on tropical flowers and potted ornamentals. Hawaii Floriculture Conference, UH-CTAHR, March 2004, Kahului, Maui, HI.
- Hara, A. H. 2004. Insect growth regulators and other reduced risk insecticides, United Horticultural Supply Seminar, Mar. 2004, Honolulu, HI.



- Hara, A. H. 2004. Hot air and water treatments of anthuriums plants and gobos. Anthurium Workshop and Field Day on Burrowing Nematodes, Jan. 2004., Waiakea Research Station, Hilo, HI
- Hara, A. H. and M. C. Tsang. 2004. Hot air and water treatments of anthurium plants and “gobos”, UH-CTAHR, Waiakea Research Station, Jan. 2004, Hilo, HI.
- Hara, A.H. 2003. Pests of orchids. Big Island Dendrobium Growers Association, Aug. 2003, Hilo, HI.
- Hara, A.H. 2003. Update on minimum risk insecticides and new invasive species. Annual Extension Agent IPM Education meeting. July 2003, Pearl City, HI.
- Hara, A.H. 2003. Coqui frog updates and new introductions of invasive pests. Potted Nursery Industry Members and Flower Growers and Shippers. July 2003, Hilo, HI.
- Hara, A.H. 2003. Legislation, quarantine and pest management. USDA Plant Quarantine, Hilo Airport, Mar. 2003, Hilo, HI
- Hara, A. H. 2003. Summary of anthurium pest management research. Anthurium Workshop and Cooperator's Field Day, Hawaii Anthurium Industry Association, Mar. 2003, Hilo, HI.
- Hara, A. H. 2003. Insect controls in ornamentals. United Horticultural Supply Seminars and Tradeshow, Mar. 2003, Honolulu, HI.
- Jones, M., C.M. Jacobsen, & A.H. Hara. 2003 Coqui Frog Display. Orchids in Paradise – Hilo Orchid Society. Mar 2003, Hilo, HI
- Chun, S.G., R.Y. Niino-DuPonte, & A.H. Hara. Coqui Frog Display. Wal-Mart Community Day. Feb 2003, Hilo, HI.
- Jacobsen, C.M. & A.H. Hara. 2003. New invasive species threatens Hawai'i's landscape and forests. Honoka'a Community Association, Mar 2003, Honoka'a, HI.
- Laupahoehoe Community Association, May 2003, Laupahoehoe, HI.
- Papaikou Community Association, Oct 2003, Papaikou, HI.
- Hara, A. H. 2003. Summary of anthurium pest management research. Anthurium Workshop and Cooperator's Field Day, Hawaii Anthurium Industry Association, Hilo, HI.
- Hara, A. H. 2003. Insect controls in ornamentals. United Horticultural Supply Seminar and Tradeshow, Honolulu, HI.
- Hara, A.H. 2002. The coqui frog: biology and control. Maui Association of Landscape Professionals, November meeting guest speaker. Nov. 2002, Wailuku, HI.
- Hara, A. H. 2002. New invasive species and pest management tools in Hawaii. Hawaii Association of Nurserymen Annual and Hawaii Turfgrass Association Annual Conference and Tradeshow, Oct 2002, Honolulu, HI.
- Hara, A.H. 2002. Response of plants to vapor heat treatment. Potted Nursery Industry Members and Flower Growers and Shippers. Oct 2002, Hilo, HI.
- Hara, A. H. 2001. Update on new insecticides and miticides. 4<sup>th</sup> Orchid Growers Conference, Hawaii Orchid Growers Association, Hilo, Hawaii.
- Hara, A. H. 2001. Innovative ways farmers grow fruits, vegetables and specialty crops with fewer chemicals. Hawaii Agriculture 2001, Sustainable Agriculture Research and Education Program, January 26-27, 2001, Hilo, Hawaii (moderator).
- Jacobsen, C. & A. H. Hara. 2000. Resistance Management and Reduced Risks Pesticides for Alien Pest Control. Landscape and Ornamentals Shortcourse, UH-CTAHR and Hawaii Association of Nurserymen, Honolulu, HI.
- Hara, A. H. 1999. Hot water treatment and new insecticides. Anthurium Workshop, Hawaii Anthurium Industry Association, Hilo, HI.
- Hara, A. H. 1998. Insect Pest Management for Protea. Protea Growers Workshop and Field Day, Protea Growers Association of Hawaii, Kealahou & Kula, HI.
- Hara, A. H. 1997. Irradiation Treatments for Quarantine Pests in Hawaii Other Than Fruit Flies. Workshop on Quarantine Treatment, UH-CTAHR & Hawaii Dept. of Agriculture, Honolulu, HI.
- Hara, A. H. 1997. Update on Pest Management Research (citrus red mite, hot water treatment, “new” pesticides), Hawaii Anthurium Industry Association, Hilo, HI.
- Hara, A. H. 1997. Current Studies and Research on Ornamental Pest Management. Hawaii Association of Nurserymen Conference and Trade Show, Honolulu, HI.

- Hara, A. H. 1997. Quarantine Security for Hawaiian Ornamentals. Symposium on Quarantine Security and Export of Hawaiian Fruits, Vegetables, and Ornamentals to the U.S. Mainland and Foreign Markets, USDA, ARS, Tropical Fruit, Vegetable and Ornamental Crops Research Laboratory, Hilo, HI.
- Hara, A. H. 1997. Non-Chemical Pest Management Tactics: Hot Water Postharvest Treatment; Ornamental Horticultural Crops: An update on present and new pesticides for preventative and remedial control of insect and mite pests. Extension Agent Conference on IPM, Honolulu, HI.
- Hara, A. H. 1996. New Biorational Insecticides for Ornamentals: The Good, Bad and the Ugly. Hawaii Association of Nurserymen Annual Conference, Honolulu, HI.
- Hara, A. H. 1996. New Insecticides for Floral Crops. CTAHR Floriculture Production Seminar, Honolulu, HI.
- Hara, A. H. 1996. Orchid Workshop. Identifying Orchid Insects and its Control. Hawaii Orchid Growers Association, Hilo, HI.
- Hara, A. H. 1996. Integrated Pest Management. United Horticultural Supply Educational Seminar, Waikoloa, Kahului, HI.
- Hara, A. H. 1996. Impact of Biological Control, Pesticides and Environmental Disturbances. Hawaii Turfgrass Association, Maunaloa, Molokai, HI.
- Hara, A. H. 1995. Insect Pests and Pest Control for Interior Plantings. Hawaii Turfgrass Association & Hawaii Association of Nurserymen Conference & Trade Show, Honolulu, HI.
- Hara, A. H. 1995. Update on Management of Anthurium Pests. Hawaii Anthurium Industry Association, Workshop, Hilo, HI.
- Hara, A. H. 1994. Quarantine treatments for pests of cutflowers. Third Multi-Commodity Cutflower Industry Conference, Hilo, HI.
- Hara, A. H. 1994. Insecticide and Postharvest Research Update. Annual Anthurium Conference, Hawaii Anthurium Industry Association, Hilo, HI.
- Hara, A. H. 1993. Control strategies for Hawaii's new insect pests. 16th Ann. Ornamental Short Course, Kailua-Kona, HI.
- Hara, A. H. 1992. Quarantine procedures for exporting tropical cut flowers: Overview of quarantine problems & procedures; Hot water as a postharvest treatment, Systems approach to quarantine security. Hawaii Tropical Cut Flower & Ornamental Plant Industry Conference, Kailua-Kona, HI.
- Hara, A. H. 1991. Insect pests and quarantine: The ornamental industry's experience. Third Annual Hawaii Herb Association Conference, Honolulu, HI.
- Hara, A. H. 1991. Insect control in anthuriums. Fourth Hawaii Anthurium Industry Conference, Hilo, HI.
- Hara, A. H. 1990. Minimizing shipment rejections due to insect pests. Hawaii Tropical Cut Flower Industry Conference, Hilo, Hawaii.
- Hara, A. H. 1989. Insect pests in export plant shipment. Hawaii Association of Nurserymen Conference and Tradeshow, Hilo, HI.
- Hara, A. H. 1989. Insect identification and control measures for export cut flowers. Workshop sponsored by the Hilo Florists and Shippers and Cooperative Extension Service, Univ. Hawaii, Hilo, HI.
- Hara, A. H. 1989. Update on anthurium IPM. 2nd Anthurium Blight Conference, Univ. Hawaii, Hilo, HI.
- Hara, A. H. 1988. Insect pests of landscape ornamentals. Landscape Maintenance Workshop, Honolulu, HI.
- Hara, A. H. 1988. Effectiveness of certain insecticides and Miticides on Pests of Ornamentals. 11th Ornamentals Short Course, Kahului-Maui, Hawaii.
- Hara, A. H. 1987. Management of thrips on tropical cut flowers and orchids. Hawaii Commercial Orchid Growers Conference, Honolulu, HI.
- Hara, A. H. 1987. Insect pests of selected landscape ornamentals. Landscape Maintenance Workshop, Kahului, Maui, HI.
- Hara, A. H. 1987. Implementation of integrated pest management (IPM) on protea. 15th Ann. Protea Workshop and Field Day, Kula, Maui, HI.
- Hara, A. H. 1987. Root mealybug control. 5th Annu. Fertilizer, Ornamental and Vegetable Short Course, Honolulu, HI.
- Hara, A. H. Jun. 1986. Update on protea pests. 14th Annu. Protea Workshop, Kahului, HI.
- Bushe, B. C., W. T. Nishijima & A. H. Hara. Jan. 1986. Anthurium IPM project. 4th Annu. Fertilizer and Ornamentals Short Course, Hilo, HI.
- Hara, A. H. 1986. Insect pests of palms. Palm Workshop. Presented on the Islands of Oahu, Maui and Hawaii.
- Hara, A. H. 1985. Management of the orchid weevil. Hawaii Commercial Dendrobium Conference, Hilo, HI.

- Hara, A. H. 1985. Research update on insect and mite management on ornamentals. 3rd Annu. Fertilizer and Ornamentals Short Course, Kahului, Maui, HI.
- Hara, A. H. 1985. Research update on protea pests and protea pest control panel. 3rd Annu. Fertilizer and Ornamentals Short Course, Kahului, Maui, HI.
- Hara, A. H. 1984. Insect control of chrysanthemums. 2nd Annu. Fertilizer and Ornamentals Short Course, Honolulu, HI.
- Hara, A. H. 1983. Insect control on ornamentals. 1st Annu. Hawaii Fertilizer and Ornamentals Short Course, Kailua-Kona, HI.
- Hara, A. H. 1982. Common insects affecting commercial vegetable, fruit and nut, flower and foliage growers: Life cycle, feeding habits and control. 35th Annu. Convention Hawaii Young Farmers Association, Hilo, HI.

#### Other Conference Presentations

- Lima, L., J.A. Bethke, L. Osborne, A. Hara and C. Palmer. 2015. Developing sustainable methods of control: Foliar arthropods: Mitigation during shipping. National Entomological Society of America Meeting, Minneapolis, MN.
- Cabral, S., A. H. Hara and R. Niino-DuPonte. 2011. Knock-down and residual efficacy of contact insecticides against the little fire ant, *Wasmannia auropunctata* (Roger) (Hymenoptera: Formicidae), 2011 Imported Fire Ant Conf., Galveston, Texas.
- Hara, A. H., C. M. Jacobsen, K. Onuma. 2010. Bait Insecticides and Hot Water Drenches against the Little Fire Ant, *Wasmannia auropunctata* (Roger) (Hymenoptera: Formicidae) Infesting Containerized Nursery Plants. Annual Imported Fire Ant Conference, April 19-22, 2010, Little Rock, Arkansas (poster).
- Hara, A. H., C. Jacobsen, T. Xu and Q. Li 2008. Chemical control of the invasive erythrina gall wasp on native and landscape erythrina trees. Pacific Branch, Entomological Society of America, 92th Annual Meeting, Napa, CA.
- Hara, A. H., C. Jacobsen, T. Xu and Q. Li 2008. Chemical control of the invasive erythrina gall wasp on native and landscape erythrina trees. Pacific Branch, Entomological Society of America, 92th Annual Meeting, Napa, CA.
- Hara, A. H., T. Xu, C. M. Jacobsen and Q. X. Li 2008. Efficacy of systemic insecticides against the erythrina gall wasp, *Quadrastichus erythrinae*, attacking wiliwili trees, *Erythrina* spp. 4th Pan Pacific Conference on Pesticide Science, Agrochemicals Division, American Chemical Society and the Pesticide Society of Japan, Honolulu, HI June 2008 (poster).
- Jacobsen, C.M., A.H. Hara, T. Xym Q. X. Li, A.M. LaRosa and R. Hauff. 2006. Analysis of imidacloprid concentrations within *Erythrina* spp. leaf tissues as a monitoring and predictive tool for control of erythrina gall wasp, *Quadrastichus erythrinae* Kim, infestations. 54th Annual Meeting of the Entomological Society of America, Dec. 2006, Indianapolis, IN (poster).
- Hara, A.H., C.M. Jacobsen, W.T. Nagamine, C.M. Kishimoto and R.Y. Niino-DuPonte. 2006. Management of Three New Invasive species in Hawaii: Cycad scale, *Aulacaspis yasumatsui* Takagi (Homoptera: Diaspididae), nettle caterpillar, *Darna pallivitta* Moore (Lepidoptera: Limacodidae) and the coqui frog, *Eleutherodactylus coqui* Thomas (Anura: Leptodactylidae). 5th Integrated Pest Management Symposium, Apr 4-6, 2006, Adam's Mark, St. Louis, MO (poster).
- Kishimoto, C.M., A.H. Hara, S.G. Chun, W.T. Nagamine. 2005 Is there a successful biological control agent for the nettle caterpillar *Darna pallivitta* Moore (Lepidoptera: Limacodidae) in Hawaii? 53rd Annual Meeting of the Entomological Society of America, Nov 6-9, 2005, Fort Lauderdale, FL (poster).
- Kishimoto, C.M., A.H. Hara, S. Chun, W. Nagamine. 2005 The biology and biological control of the nettle caterpillar, *Darna pallivitta* (Moore), in Hawaii. Pacific Branch Entomological Society of America, Feb 2005, Pacific Grove, CA.
- Hara, A. H., C. M. Jacobsen and E. M. Domingo. 2004. Status of three invasive insects recently established in Hawaii. XXII International Congress of Entomology, Aug. 2004, Brisbane, Queensland, Australia (poster).
- Jacobsen, C.M., A.H. Hara, & S.G. Chun. 2003. *Eleutherodactylus coqui* population surveys at two infested Hawai'i island locales. 16th Big Island Science Conference, University of Hawaii at Hilo Chapter of Sigma Xi, Aug 2003, Hilo, HI.
- Chun, S.G., A.H. Hara, P. Conant, C. Hirayama, W. Nagamine. 2003. The Stinging Nettle Caterpillar: A New Invasive Alien Species on the Big Island. 16th Big Island Science Conference, University of Hawaii at Hilo Chapter of Sigma Xi, Aug 2003, Hilo, HI.

- Hara, A.H., C.M. Jacobsen, R.Y. Niino-DuPonte, M. Jones & S. Chun. 2003. CTAHR Research Summaries (Coqui Frog, Nettle Caterpillar). Annual Hawai'i MIDPAC Horticultural Expo. (Awarded Best Educational Display). Hawai'i Export Nursery Association, May 2003, Hilo, HI (poster/display).
- Arcinas, A., B.S. Sipes, A.H. Hara, & M.M.C. Tsang. 2003. Absence of induced thermotolerance in *Radopholus similis*, Annual Conference American Phytopathological Society, Charlotte, NC.
- Jacobsen, C. M. & A. H. Hara. 2002. Field and postharvest treatments against the pink hibiscus mealybug, *Maconellicoccus hirsutus* (Green) (Homoptera: Pseudococcidae). Annual Meeting Entomological Society of America, Nov 2002, Fort Lauderdale, FL.
- Niino-DuPonte, R. Y., A. H. Hara, E. M. Domingo & L. M. Nakahara. 2002. Management strategies for new invasive species in Hawaii). Annual Meeting Entomological Society of America, Nov. 2002, Fort Lauderdale, FL (poster).
- Hara, A. H. 2001. Research update on nursery pest management. Hawaii MidPac Horticultural Conference & Trade Show, Hawaii Export Nursery Association, Oct. 2001, Hilo, Hawaii (poster/display).
- Hara, A. H. 2000. The worldwide spread of pests on plant materials: How could it be minimized? 12<sup>th</sup> Ornamental Workshop, October 16-20, 2000, Crossnore, North Carolina.
- Hara, A. H. & C. M. Jacobsen. 2000. Irradiation and hot water immersion as potential postharvest quarantine treatments for the pink hibiscus mealybug. Annual Meeting Entomological Society of America, December 3-6, 2000, Montreal, Canada.
- Hara, A. H., C. M. Jacobsen, T. Y. Hata, J.T. Yogi & R. Y. Niino-DuPonte. 2000. Postharvest treatments for ornamentals (poster). 16<sup>th</sup> Annual Conference on Insect and Disease Management on Ornamentals, Society of American Florist, San Jose, CA.
- Hara, A. H., C. M. Jacobsen & J. Yalmar. 1999. Irradiation for disinfesting tropical commodities of mealybugs, thrips and scale. Annual Meeting Entomological Society of America, December 12-16, 1999, Atlanta, Georgia.
- Hollingsworth, R. & A. H. Hara. 2000. The case of coffee green scale and gardenia flowers: Why are regulators so strict? Annual Meeting Entomological Society of America, December 12-16, 1999, Atlanta, Georgia.
- Hara, A. H, T. Y. Hata & C. M. Jacobsen. 1998. Hot-water treatment for root-infesting pests (poster), Joint Annual Meeting Entomological Society of America and American Phytopathological Society, November 8-12, 1998, Las Vegas, NV.
- Yalmar, J. A. & A. H. Hara. 1998. Irradiation as a possible quarantine treatment for green scale, *Coccus viridis* (Green) (Homoptera: Coccidae) (poster), Joint Annual Meeting Entomological Society of America and American Phytopathological Society, November 8-12, 1998, Las Vegas, NV.
- Jacobsen, C. M., A. H. Hara, T. Y. Hata & J., T. Yogi. 1998. Postharvest hot-air treatment against western flower thrips on cut chrysanthemums. 82<sup>nd</sup> Annual Meeting Pacific Branch Entomological Society of America, June 21-24, 1998, Honolulu, HI.
- Yalmar, J. A. & A. H. Hara. 1998. Irradiation as a possible quarantine treatment for yellow flowers thrips, *Frankliniella schultzei* (Trybom) (Thysanoptera). 82<sup>nd</sup> Annual Meeting Pacific Branch Entomological Society of America, June 21-24, 1998, Honolulu, HI.
- Yogi, J. T., A. H. Hara, T. Y. Hata & C. M. Jacobsen. 1998. Hot-air and -water induced thermotolerance of tropical commodities to hot-water disinfestation treatment. 82<sup>nd</sup> Annual Meeting Pacific Branch Entomological Society of America, June 21-24, 1998, Honolulu, HI (poster).
- Hara, A. H. 1997. Postharvest heat treatments to disinfest flowers and propagative materials. Third Asia-Pacific Conference of Entomology, Taichung, Taiwan, R.O.C. (poster)
- Hara, A. H. 1996. Heat treatment for disinfesting flowers, foliage and propagative materials. International Postharvest Science Conference, Taupo, New Zealand. (poster)
- Hara, A. H. 1995. Postharvest alternatives for propagative materials and cut flowers. Annual International Research Conference on Methyl Bromide Alternatives and Emissions Reductions, Methyl Bromide Alternatives Outreach, San Diego, CA.
- Hara, A. H. 1995. Insect and plant responses to heat treatment. Pacific Entomology Conference, Hawaiian Entomological Society, Honolulu, HI.
- Hara, A. H. 1995. Hot water treatment for tropical cut flowers and foliage. Annual WRCC-86 Regional Meeting, Postharvest Technology and Quarantine Treatment for Insect Control in Horticultural Crops, Wenatchee, WA.

- Hara, A. H. 1994. Postharvest treatment alternatives for flowers and foliage. Annual International Research Conference on Methyl Bromide Alternatives and Emissions Reductions, Methyl Bromide Alternatives Outreach, Orlando, FL.
- Hara, A. H. 1993. Disinfestation treatments for tropical cut flowers and foliage. Annual WRCC-86 Regional Meeting, Postharvest Technology and Quarantine Treatment for Insect Control in Horticultural Crops, Davis, CA.
- Hara, A. H. 1993. Insecticidal dips for management of *Frankliniella occidentalis* and *Thrips palmi* on orchids. Entomological Society of America Pacific Branch Annual Meeting, Portland, OR. (poster)
- Hara, A. H. 1992. Postharvest treatments for pests of tropical cut flowers and foliage. American Society for Horticultural Science National Meeting, Honolulu, HI. (poster)
- Hara, A. H. 1992. Hot water as a quarantine treatment for the Cockerell scale, *Pseudaulacaspis cockerelli*. Entomological Society of America Pacific Branch Annual Meeting, Kailua-Kona, HI. (poster)
- Hara, A. H. 1991. Field pest management and postharvest insecticidal dips as a quarantine treatment for floral red ginger. Hawaiian Entomological Society Conference, Honolulu, HI.
- Hara, A. H. 1991. Hot water immersion as a postharvest treatment for red ginger infested with mealybugs. Hawaiian Entomological Society Conference, Honolulu, HI.
- Hara, A. H. 1990. Natural populations of entomopathogenic nematodes from the Hawaiian Islands. Entomological Society of America National Conference, New Orleans, LA.
- Hara, A. H. 1990. Disinfestation of cut flowers using postharvest treatments. Ornamental Workshop, Crossnore, NC.
- Hansen, J. D. & A. H. Hara. Dec. 1990. Eliminating insects from tropical floral commodities before shipment. Entomological Society of America National Conference, New Orleans, LA.
- Hansen, J. D. & A. H. Hara. Dec. 1989. Postharvest treatments of tropical cut flowers and foliage. Entomological Society of America National Conference, San Antonio, TX.
- Hara, A. H. 1989. Biological control of entomopathogenic nematodes against insect pests in the Pacific. Crop Protection Conf., Agricultural Development in the American Pacific (ADAP), Honolulu, HI.
- Hara, A. H. 1988. Major thrips of ornamentals in Hawaii. Sixth Ornamental Workshop on Diseases and Insects, Crossnore, NC.
- Hara, A. H. 1987. Parasitoids and Predators of Insect Pests on Chrysanthemums in Hawaii. Entomological Society of America National Conference, Boston, MA.
- Hara, A. H. 1985. Seasonal occurrence and damage of thrips, mites, and diseases on anthurium flowers in Hawaii. Entomological Society of America National Conference, Hollywood, FL.
- Hara, A. H. 1985. Effect of the orchid weevil, *Orchidophilus aterrimus* on vanda orchid production. Entomological Society of America Pacific Branch Meeting, Honolulu, HI.
- Hara, A. H. 1985. The insect parasitic nematode as a biological control agent and its compatibility with pesticides. 8th Big Island Science Conference, Hilo, HI.
- Hara, A. H. 1983. Chemical and biological control of *Liriomyza trifolii* on chrysanthemums in Hawaii. Entomological Society of America National Conference, Detroit, MI.

#### PUBLISHED ABSTRACTS

- Hara, A. H. H. 2012. Heat as a postharvest disinfestation for floricultural crops, *In* XXIV International Congress of Entomology, Abstract CD S1202TU20, Aug 2012, Daegu, Korea.
- Hara, A. H. 2012. Heat as a sustainable postharvest disinfestation treatment for export horticultural crops, pp. 5, *In* Abstracts International Conference on Postharvest Pest and Disease Management in Exporting Horticultural Crops, Feb 2012, Bangkok, Thailand.
- Hara, A. H. 2012. Integration of pre-shipment hot water shower as a quarantine treatment for ornamental plants, pp. 91 (P033) *In* Poster Abstract 7th International Integrated Pest Management Symposium, Mar 2012 Memphis Tennessee.
- Hara, A. 2011. Systems Approach to Quarantine Treatments for Export Ornamental, <http://ashs.confex.com/ashs/2011/webprogram/Paper5289.html>, *In* The 2011 American Society for Horticultural Science (ASHS) Annual Conference and Abstract, Sept 2011, Waikoloa Hawaii.
- Hara, A. H. C. M. Kishimoto and R. Y. Niino-DuPonte 2010. Host range of the nettle caterpillar, *Darna pallivitta* (Moore) (Lepidoptera: Limacodidae) in Hawaii, pp. 30 *In* Abstracts Potential Invasive Species Workshop, University of Florida, Miami, Florida.

- Cabos, R., A. Hara, and M. Tsang. 2010. Steam treatment of volcanic cinder media for the eradication of *Rotylenchulus reniformis*. In Abstracts European Society of Nematologists' 30<sup>th</sup> International Symposium, September 19-23, 2010, Vienna, Austria.
- Hara, A. H., T. Xu, C. M. Jacobsen and Q. X. Li. 2008. Efficacy of systemic insecticides against the erythrina gall wasp, *Quadrastichus erythrinae*, attacking wiliwili trees, *Erythrina* spp., pp. 51 (114) In 4<sup>th</sup> Pan Pacific Conference on Pesticide Science, June 1-5 2008, Agrochemicals Division, American Chemical Society and the Pesticide Society of Japan, Honolulu, HI.
- Hara, A.H., C.M. Jacobsen, W.T. Nagamine, C.M. Kishimoto and R.Y. Niino-DuPonte. 2006. Management of Three New Invasive species in Hawaii: Cycad scale, *Aulacaspis yasumatsui* Takagi (Homoptera: Diaspididae), nettle caterpillar, *Darna pallivitta* Moore (Lepidoptera: Limacodidae) and the coqui frog, *Eleutherodactylus coqui* Thomas (Anura: Leptodactylidae). 5<sup>th</sup> Integrated Pest Management Symposium P108: 89-90.
- Kishimoto, C.M., A.H. Hara, S.G. Chun, and W. Nagamine. 2005. Host range and biological control of the stinging nettle caterpillar *Darna pallivitta* (Moore) (Lepidoptera: Limacodidae) in Hawaii, pp. 20 In University of Hawaii, CTAHR Student Research Symposium April 1-2, 2005.
- Arcinas, A., B.S. Sipes, A.H. Hara, & M.M.C. Tsang. 2003. Absence of induced thermotolerance in *Radopholus similis*. Phytopathology 93:S4.
- Hara, A. H. 2001. Preventing alien species invasion by pre-shipment disinfestations treatments, pp. 14, In Proceedings 10<sup>th</sup> Pacific Science Inter-Congress, Tamuning, Guam.
- Hara, A. H. 2000. Aphid, Mealybug and Scale Management Strategies, pp. 119-123, In Proceedings of the 16<sup>th</sup> Conference on Insect and Disease Management on Ornamentals, Society of American Florist, San Jose, CA.
- Sipes, B. S., A. Hara, C. Jacobsen & M. Tsang. 1999. Hot water disinfection for burrowing nematodes. J. Nematol. 31: 570-571.
- Jacobsen, C. M., A. H. Hara, T. Y. Hata & J., T. Yogi. 1998. Postharvest hot-air treatment against western flower thrips on cut chrysanthemums, pp. 34, In Abstracts 82<sup>nd</sup> Annual Meeting Pacific Branch Entomological Society of America, June 21-24, 1998, Honolulu, HI.
- Yalemar, J. A. & A. H. Hara. 1998. Irradiation as a possible quarantine treatment for yellow flowers thrips, *Frankliniella schultzei* (Trybom) (Thysanoptera), pp. 1, In Abstracts 82<sup>nd</sup> Annual Meeting Pacific Branch Entomological Society of America, June 21-24, 1998, Honolulu, HI.
- Yogi, J. T., A. H. Hara, T. Y. Hata & C. M. Jacobsen. 1998. Hot-air and -water induced thermotolerance of tropical commodities to hot-water disinfestation treatment, pp. 1, In Abstracts 82<sup>nd</sup> Annual Meeting Pacific Branch Entomological Society of America, June 21-24, 1998, Honolulu, HI.
- Hara, A. H., T. Y. Hata, & C. M. Jacobsen. Nov. 1997. Postharvest heat treatments to disinfest flowers and propagative materials, pp. 176 In Abstracts, The Third Asia-Pacific Conference of Entomology (APCEIII), Taichung, Taiwan, R.O.C.
- Hara, A. H. Nov. 1997. Market quality in disinfested flowers, foliage and propagative materials, pp. 62-1 In 1997 Annual International Research Conference on Methyl Bromide Alternatives and Emissions Reductions, San Diego, CA.
- Hara, A. H., M. C. C. Tsang, T. Y. Hata & B. K. S. Hu. Aug. 1996. Heat treatment for disinfesting flowers, foliage and propagative materials, pp. 215 In Conference Handbook, PH'96 International Postharvest Science Conference, Taupo, New Zealand.
- Hara, A. H. Jun. 1996. Integrating Biorational Postharvest Treatment with Pest Management. Symposium on Biorational/Biological Control Strategies for Greenhouse Grown Crops, pp. 12. In Abstracts, Pacific Branch, ESA, 80<sup>th</sup> Annual Meeting, Big Sky, MT.
- Hara, A. H. Nov. 1995. Postharvest alternatives for propagative materials and cut flowers, pp 8-1 to 8-2. In Abstracts Annual International Research Conference on Methyl Bromide Alternatives and Emissions Reductions, San Diego, CA.
- Hara, A. H. Nov. 1994. Postharvest treatment alternatives for flowers and foliage, pp 74-1 to 74-2. In Abstracts Annual International Research Conference on Methyl Bromide Alternatives and Emissions Reductions, Orlando, FL.
- Hata, T. Y., A. H. Hara, B. K. S. Hu & V. L. Tenbrink. Jun. 1993. Insecticidal dips for mangement of *Frankliniella occidentalis* and *Thrips palmi* on orchids, pp. DSP 12. In Abstracts Seventy-seventh Annual Pacific Branch Meeting of the Entomological Society of America, Portland, OR.

- Hara, A. H., T. Y. Hata, V. L. Tenbrink, B. K. S. Hu & M. A. Nagao. Aug. 1992. Postharvest treatments for pests of tropical cut flowers and foliage. *In* Program & Abstracts, American Society for Horticultural Science National Meeting, Honolulu, HI, HortScience 27: 142.
- Hara, A. H., T. Y. Hata, B. K. S. Hu & V. L. Tenbrink. Jun. 1992 Hot water as a quarantine treatment for the Cockerell scale, *Pseudaulacaspis cockerelli*, pp. DSP 11. *In* Abstracts Seventy-sixth Annual Pacific Branch Meeting of the Entomological Society of America, Kailua-Kona, HI.
- Hara, A. H. Jun. 1992. Preharvest pest management and postharvest insecticidal dip as a systems approach to quarantine treatment for tropical cut flowers, pp. 358. *In* Proceedings XIX International Congress of Entomology, Beijing, China.
- Kaya, A. H., A. H. Hara & R. Gaugler. 1990. Isolation of steinernematid and heterorhabditid nematodes from the Hawaiian Islands. *In* Abstracts Second International Nematology Conference, Veldhoven, The Netherlands.
- Hara, A. H. & W. T. Nishijima. 1988. Integrated pest management of anthurium, pp. 332 *In*. Proc. 18th Int. Congress Entomol., Vancouver, B.C. Canada.
- Hara, A. H., M. W. Johnson, L. LeBeck & L. Arita Tsutsumi. 1989. Biological control potential of entomopathogenic nematodes against insect pests in the Pacific, pp. 29 *In*. Agric. Dev. Am. Pacific (ADAP) Crop Protection Conf., Honolulu, HI.
- Hara, A. H. & R. F. L. Mau. June 1985. Effect of the orchid weevil, *Orchidophilus aterrimus* on vanda orchid production, pp. 60 *In* Abstracts Entomological Society of America 69th Annu. Pacific Branch Meeting, Honolulu, HI.
- Hara, A. H. April 1985. The insect parasitic nematode as a biological control agent and its compatibility with pesticides. Proc. 8th Big Island Science Conf. 8:7-8.

#### PROFESSIONAL DEVELOPMENT

- Entomological Society of America Annual Meeting, update on current issues and research on all aspects of entomology, Dec 13-16, 2009, Indianapolis, Indiana.
- Crop Production Services First Annual Nursery Seminar, speakers from the agrochemical industry and from cooperative extension service on pest management, Oct 15, 2009, Hilo, HI.
- Air Cargo Day, Air Cargo Association of Hawaii, speakers on managing change, Oct 20, 2009, Honolulu, HI.
- Farwest Show, Oregon Association of Nurseries, exhibits and education seminars on nurseries and other green good providers, Aug 20-22, 2008, Portland, OR.
- Farwest Show, Oregon Association of Nurseries, exhibits and education seminars on nurseries and other green good providers, Aug 20-22, 2008, Portland, OR.
- USDA, ARS/CSREES Veterinary, Medical and Urban Entomology Stakeholder Workshop, input in research priorities, Oct 30 to Nov 1, 2007, Denver, CO.
- IR-4 Ornamental Horticulture Workshop, develop research priorities for ornamental pesticide registration, Denver, CO.
- International Pacific Invasive Ant Conference, Invasive ants in the Pacific Rim & Pacific Island Countries & Territories, May 22-25, 2007, Keauhou, Kona, HI.
- Red Imported Fire Ant Conference, update research information on fire and other invasive ants, April 23-25, 2007, Gainesville, FL.
- Incident Command System (ICS) Approach to Invasive Species, Management, Hawaii Dept. of Agriculture, Jun 5-8, 2006. Kauai and Hawaii County.
- Hawaii Fruit Fly Area-Wide Pest Management Program: 5<sup>th</sup> Annual Meeting and Review. 2006. CTAHR, USDA-PBARC, April 2006, Waikoloa, HI.
- Hawaii Fruit Fly Area-Wide Pest Management Program: Third Annual Meeting and Review. 2004. UH-CTAHR, USDA-PBARC, April 2004, Honolulu, HI.
- Pacific Entomology Conference. 2003. 10<sup>th</sup> Annual Conference of the Hawaiian Entomological Society. Feb. 2003, Honolulu, HI.

#### MAJOR EXTENSION ACTIVITIES:

- Extension IPM Coordinator:** - Coordinate the Hawai'i Integrated Pest Management Program that addresses the National IPM Objectives: 1) to safeguard human health and the environment, 2) to increase the range of

benefits achieved by those who use IPM methods, 3) to increase the supply and dissemination of IPM knowledge, 4) to enhance collaborations among stakeholders.

**Quarantine Technology Transfer** - Develop and coordinate origin inspection programs to minimize quarantine pests in export shipments; implement pest management practices and a postharvest hot water disinfestation treatment at farms and shipping houses in cooperation with extension agents and pest control advisors. Conduct educational workshops and demonstrations to agents, growers & shippers on quarantine disinfestation treatments.

**Extension Agents, Pest Control Advisors and Growers Training in Insect Pest Management** - Develop pest management educational programs for ornamental crops emphasizing nonchemical control tactics and minimizing the use of chemical insecticides. Conduct cooperative projects with extension agents on biological control cultural control and chemical control of ornamental pests.

**Insecticide Registration** - Provide chemical companies and third party registrants with efficacy and phytotoxicity data for national and special local needs registrations.

### **PROFESSIONAL SERVICES**

Consultant, FAO and Cook Islands, Ministry of Agriculture, Review postharvest treatments for maile lei export from Cook Islands to Hawaii (2003).

Coordinator, Coqui Frog Working Group, Hilo, HI (2002-2005)

Advisor, Regional Government of the Azores on fumigation and quarantine issues, USDA, Foreign Agricultural Service, Research and Scientific Exchange Division (1998).

Advisor, Banana Bunchy Top Virus Advisory Team, Hawaii Dept. of Agriculture (2000).

Advisor, Alien Pest Risk Assessment Team, Kahului, Maui, Hawaii Airport Improvement, Hawaii Dept. of Agriculture (2000- present).

Panel member, Sharwil Avocado Science Panel, USDA, APHIS, CPHST, Honolulu, HI (2004).

Panel member, Special California Sweet Potato Weevil Science Advisory Panel, California Dept. of Food and Agriculture (1997).

Panel member, Judging Panel for ESA Recognition Award in Urban Entomology (1995- present).

Panel reviewer, Research Entomologist position, USDA, ARS, Tropical Fruit, Vegetable, & Ornamental Research Laboratory.

Member, Advisory Subcommittee on Entomology, State of Hawaii, Board of Agriculture, Department of Agriculture (1989- present).

Member, Ph.D. examiner, The University of Melbourne, Australia (1997)

Member, Western Regional Coordinating Committee (WRCC-86) on Postharvest Treatments. (1993-present)

Member, Western Coordinating Committee WCC-69 Extension Integrated Pest Management, (2003-present)

Reviewer, Binational Agricultural Research and Development Fund (BARD) proposals (1997).

Reviewer, project proposals submitted to Caribbean Basin Advisory Group (CBAG) (1989-2000).

Reviewer, manuscript submitted to HortScience (1996)

Reviewer, book chapter in Turfgrass Insects of the U.S. and Canada by Vittum, Villani & Tashiro (1996).

Reviewer, manuscripts peer review, USDA, ARS. (1989-2004).

Reviewer, manuscripts submitted to Journal of Economic Entomology and Environmental Entomology. (1982-2004)

Reviewer, manuscripts submitted to Journal for Hawaiian and Pacific Agriculture. (1989-1999)

Reviewer, manuscripts submitted to Proceedings of the Hawaiian Entomological Society (1992-1996)

Reviewer, manuscript submitted to Australian Journal of Experimental Agriculture (1995).

Chairperson, program committee, Entomological Society of America 76th Ann. Pacific Branch Meeting, Kailua-Kona, HI (1992).

Reviewer, project proposals submitted to American Floral Endowment (1992, 2002).

Reviewer, manuscript submitted to Phytoparasitica (1991)

### **UNIVERSITY/COLLEGE/DEPARTMENT SERVICES**

Chairperson, Departmental Personnel Committee, PEPS (2002)

Member, Departmental Personnel Committee, PEPS (2001-2004, 2006-07)

Member, Tenure and Promotion Review Committee, University of Hawaii at Manoa. (1994-1996).

Member, Tenure and Promotion Review Committee, University of Hawaii at Hilo (1992-1995).

Instructor, ENTO 699 Directed Research



Chairperson, M.S. Thesis in Entomology (2) (1997-2006)  
Member, Graduate students (11) thesis and doctoral committees (1987-2006).  
Lecture presentations to Economic Entomology and Urban Entomology on pest management of ornamentals,  
Dept. of Entomology, University of Hawaii at Manoa, (1990-2006).  
Lecture presentations to Orchidology on pest management, Dept. of Horticulture, University of Hawaii at  
Manoa and College of Agriculture, University of Hawaii at Hilo (1992-2000).  
Acting Hawaii County Administrator (numerous occasions when County Administrator is out of town) (1991-  
2000).  
Chairperson, Department Research Project Review Committee (1996-2003).  
Chairperson, Department Extension Project Review Committee (1995).  
Interim Chairperson, Department Personnel Committee (1996).

### **COMMUNITY SERVICE**

Lecture presentations on insect pest management to numerous industry associations including:  
Big Island Assoc. of Nurserymen  
Big Island Dendrobium Growers Assoc.  
Dendrobium Orchid Growers Assoc. of Hawaii  
Hawaii Anthurium Industry Assoc.  
Hawaii Association of Nurserymen  
Hawaii Export Nursery Association  
Hawaii Farm Bureau Federation  
Hawaii Florist & Shippers Assoc.  
Hawaii Floriculture and Nursery Assoc.  
Hawaii Island Landscape Assoc.  
Hawaii Tropical Flowers and Foliage Assoc.  
Hawaii Turfgrass Assoc.  
Hawaii Orchid Growers Assoc.  
Kauai Association of Landscape and Nursery Professionals  
Landscape Industry Council of Hawaii  
Maui Association of Landscape Professionals (MALP)  
Pahoa Young Farmers Assoc.  
Protea Growers Assoc. of Hawaii  
West Hawaii Dendrobium Growers Assoc.  
Lecture presentations to elementary school classes (1991-2004).  
Resource person in entomology to elementary school teachers (1991-2004).  
Lecture presentations to Rotary clubs, Real Estate Association and community associations.  
Educational presentations on pest management annually at the horticultural shows and elementary schools.  
Supporter, advisor and member, Society of American Florist, Hawaii Farm Bureau Federation, Hawaii Florist &  
Shippers Association, Hawaii Anthurium Industry Association, Pahoa Young Farmers.  
Seminar and workshop presentations sponsored by Brewer Environmental and United Horticultural Supply  
(1992-1999).

**EXTRAMURAL GRANTS (1989-2015):**

<b>PI/PI's</b>	<b>TITLE OF RESEARCH PROPOSAL</b>	<b>FUNDING AGENCY</b>	<b>AMOUNT AWARDED</b>	<b>DURATION</b>
A.H. Hara	Activators and Attractants for Giant African Snail	USDA, APHIS, Farm Bill	\$37,197	2015-2016
A.H. Hara	Best Mangement Practices and Quarantine Treatments for the Little Fire Ant on Commodities from Hawaii Island	Hawaii Dept. of Agriculture	\$95,000	2015-2016
A.H. Hara	Educational Initiative for Improving Risk Identification and Pest Detection in Hawai'i	USDA, APHIS, Farm Bill	\$55,000	2014-2015
A.H. Hara	Chemical and Microbial Control of Coconut Rhinoceros Beetle in Hawaii	USDA, APHIS, PPQ	\$182,853	2014-2015
A.H. Hara	Reducing Interisland Pest Movement at the Source	Hau'oli Mau Loa Foundation	\$73,686	2014-2016
A .H. Hara	Developing Sustainable Methods for Controlling Invasive Pests Pre- and Post-Invasion on Ornamental Plant Cuttings and Plants	USDA, APHIS, Farm Bill, IR-4	\$50,000	2013-2015
A. H. Hara	Educational Initiative for Improving Risk Identification and Pest Detection in Hawaii	USDA, APHIS, Farm Bill Section 10201	\$154,997	2012-2014
A. H. Hara	Systems Approach to Pest Management Practices-Potted Foliage Plants-Phase I	Hawaii Dept. of Agriculture/USDA, APHIS, PPQ	\$200,000	2012-2013
A.H. Hara	2011 IR-4 Ornamental Horticulture Research Project: 11-020 Mealybug Efficacy	USDA-NIFA	\$10,000	2011-2012
A. H. Hara	Survey and Detection of Coconut Pests in Hawaii	USDA, APHIS, PPQ, Cooperative Agricultural Pest Survey (CAPS)	\$50,170	2010-2011
A. H. Hara	Hot Shower Treatment for Disinfesting Potted-Plants of Coqui Frogs and other Invasive Pests	County of Hawaii	\$120,000,	2010-2011
N.J. Reimer, D. Oishi, C. Vanderwoude, A. H. Hara	Developing pest ant management systems in Hawaii nurseries	USDA-APHIS	\$11,000	2010-2011
A. H. Hara	Survey of Landscape and Ornamental Nurseries for Insect Pests	USDA, APHIS, PPQ, Cooperative Agricultural Pest Survey (CAPS)	\$44,977	2010-2011
A. H. Hara	Pre- and post-harvest pest management of major quarantine pests on cut flowers and foliage plants	USDA, NIFA, Floriculture Research	\$30,000	2010-2012

A. H. Hara and R. G. Hollingsworth	Alternatives of conventional insecticides for control of thrips in orchids and anthuriums	USDA, NIFA, Floriculture Research	\$15,000	2010-2012
A. H. Hara	Phytotoxicity to ornamental horticultural plants from BYI-83330 (spirotetramat)	USDA-NIFA	\$12,000	2009-2010
N.J. Reimer, D. Oishi, C. Vanderwoude, A. H. Hara	Control of Arboreal Little Fire Ants in Hawaiian Agricultural Systems	Hawaii Invasive Species Committee	\$7,420	2009-2010
A. H. Hara	IR-Western Region Ornamental Program	USDA-NIFA	\$12,000	2009-2011
A. H. Hara	Hawaii Extension IPM Program	USDA, NIFA, Smith-Lever Section 3(d)	\$70,477	2009-2010
A. H. Hara	Detection Techniques and Quarantine Treatments for High Risk Commodities Identified by the Kahului Airport Pest Risk Assessment	Hawaii Dept. of Transportation	\$149,000	2009-2011
A. H. Hara	Implementing Quarantine Heat Treatments for the Coqui Frog and Other Invasive Species Impacting the Hawaiian Nursery Industry	Hawaii Dept. of Agriculture	\$200,000	2007-2009
A. H. Hara	Chemical Management of the Erythrina Gall Wasp, <i>Quadrastichus erythrinae</i> Kim, (Hymenoptera: Eulophidae) on Native and Landscape <i>Erythrina spp.</i>	Hawaii Dept. of Land and Natural Resources	\$56,800	2006
A. H. Hara	Coqui Frog: Community Education/Outreach and Applied Science	County of Hawaii	\$200,000	2005-2007
A. H. Hara	Improving management of alien pest in nursery crops	USDA, CSREES, Floriculture Research	\$ 35,000	2004-2007
A. H. Hara	Addressing Phytosanitary Barriers to Cut Flower Exports	USDA, Commodity Credit Corp. and HARC	\$ 63,750	2004-2005
A. H. Hara and W. T. Nagamine	Management of the Invasive Stinging Nettle Caterpillar in Hawaii.	USDA, Invasive Species, T-STAR	\$186,830	2003-2007
A. H. Hara, W. J. Mautz, E.M. Kilgore	Management of a New Invasive Species: The Coqui Frog	USDA, Invasive Species, T-STAR	\$284,700	2002-2006
A. H. Hara, B. Sipes, M. Tsang	Thermotherapy of Tropical Plants – A Non-chemical Approach to Phyto sanitation & Plant Vigor	USDA, T-STAR	\$185,845	2000-2004
A. H. Hara	Ornamental Nursery Insect Pest Management	Hawaii Dept. of Agriculture	25,000	1999-2001
A. H. Hara	Postharvest Treatments including Irradiation for Quarantine Pests other than Fruit Flies	USDA, CSREES, Minor Crops Pest Control Research	129,045	1996-2003

A. H. Hara M. C. Tsang, UH-Hilo	Postharvest Handling Systems for Pest Disinfestation and Improved Quality of Hawaiian Floricultural Crops	USDA, CSREES, Floriculture Research	300,000	1994-2005
M. C. Tsang A. H. Hara	A Hot Water System for Disinfesting Media and Roots of Potted Foliage Plants	County of Hawaii, Dept. of Research & Economic Development	\$ 4,500	1997-98
B. S. Sipes, UH-CTAHR A. H. Hara	Hot Water for Control of Nematodes in Potted Foliage Plants	Hawaii Board of Agriculture	\$ 2,000	1997
A. H. Hara	Hot Water Treatments to Reduce Pesticide Usage	U.S. Environmental Protection Agency	\$ 40,000	1996-98
A.H. Hara M. C. Tsang R. Paul, UH-CTAHR	Postharvest Treatments for Floricultural Crops in Taiwan and Hawaii	State of Hawaii	\$ 26,000	1996-98
A. H. Hara K. T. Sewake, UH-CTAHR	Educational Programs for the Cut Flower Industry on Pest Management	State of Hawaii	\$ 24,000	1994-96
A. H. Hara	Quarantine Treatments for Trop. Flowers & Foliage	USDA, CSRS, Floriculture Research	\$ 219,108	1989-94
A. H. Hara	Dev. Pest Manage. Progr. & Quarantine Proc. for Trop. Flowers & Foliage	State of Hawaii	\$ 141,900	1989-94
A. H. Hara	Hot Water: Commercialization of a Postharvest Trt. for Disinfest. Flowers	County of Hawaii	\$ 3,000	1993-94
A. H. Hara H. K. Kaya, UC-Davis R. Gaugler, Rutgers M. Johnson, UH-CTAHR	Biological Control of <i>Liriomyza</i> Leafminers with Entomo-pathogenic Nematodes	USDA, Section 406	\$ 124,850	1989-93

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