

## CURRICULUM VITAE

Tom DeGomez  
928-523-8385 (O)  
degomez@ag.arizona.edu

### EDUCATION

- Ph. D. Forest Science, Northern Arizona University, 2002  
Thesis Director: Dr. Michael Wagner  
Dissertation Title: Patterns of Insect Occurrence on Exotic vs. Native Trees
- M. S. Horticulture, Oregon State University, 1984  
Thesis Director: Dr. Lloyd Martin  
Thesis Title: Growth and Development of Primocane Fruiting Red Raspberry and Influence of Nitrogen Fertilizer and Pruning
- B. S. Agricultural Education, Utah State University, 1981
- B. S. Agronomy, Brigham Young University, 1981

### RELEVANT EMPLOYMENT

*Associate Specialist in Renewable Natural Resources*, 80% Extension and 20% Research.  
December 2002 to present.

**Employer** - University of Arizona, School of Natural Resources, College of Agriculture and Life Sciences, University of Arizona, Tucson, Arizona.

**Supervisor** – Lisa Graumlich, Director. University of Arizona, School of Natural Resources.

#### **Duties -**

- Given a basic framework, I developed the Univ. of Arizona Forest Health Program (UA-FHP) in 2002-03. I developed long and short-range program goals and objectives, prepare budget proposals, and the allocation of US Forest Service (USFS) funds to meet program goals. I keep USFS informed of activities and results of the program. **Accomplishment:** Secured \$3,276,363 in funding (beyond base funding from USFS) to conduct the program.
- Prepare annual plans of work for the program. Submit results oriented reports to UA and USFS. **Accomplishment:** The Washington Office of USFS-FHP recognized the program in FY05 with a \$30,000 unsolicited grant to support staff salaries.
- Collaborate with resource specialists in state and private agencies in the development and administration of the UA-FHP program. This includes detection, evaluation of severity, determination of treatment, and implementation of measures to treat threatening or emerging insect infestations, disease epidemics, invasive plant introductions, and other disturbances. Emphasis on restoring forests damaged by these agents. **Accomplishments:** Formed the AZ Bark Beetle Task Force to coordinate outreach activities among agencies and the media. Survey 1,044,000 acres annually using digital aerial sketch-mapping. Coordinated 13 invasive plant species projects funded at \$99,591. Coordinate(ed) 17 forest health restoration projects funded at \$2,441,741.
- I provide expert advice on critical technical matters pertaining to prevention, and control of tree health problems. The program conducts integrated pest management techniques including

cultural treatments, release of biocontrol agents and the use of pesticides. **Accomplishments:** published quarterly news releases, eight fact sheets, and seven journal articles; invited 108 times to present at conferences and community meetings; regional award winning website <http://ag.arizona.edu/extension/fh> gets 172 pageviews and 10 publication downloads per day; presented at four Extension in-service trainings; 1000's of consults with private landowners, and several times with US Rep Rick Renzi and State Rep Tom O'Halloran, and staff of Arizona U.S. Senators Kyle and McCain.

- Every year I conduct 2-4 biological evaluations of pest outbreaks on private and non-federal municipal lands.
- I serve as a liaison with Northern Arizona University School of Forestry faculty and administrators to improve working relations with the University of Arizona College of Agriculture and Life Sciences.
- I conduct research on bark beetle population dynamics, and the management of bark beetle for use in IPM plans. **Accomplishments:** \$754,622 of funding secured for 13 projects, seven journal articles accepted, two in review and two papers in progress.
- I set priorities and prepare schedules for 3 to 11 employees that I recruited and hired. I conduct disciplinary measures, evaluation, training identification, and counseling with three permanent employees. **Accomplishments:** I fund these employees with grants I secured. I have promoted three employees while in-service.

**Associate Extension Agent, Agriculture and Natural Resources, (ANR),** 1990 to 2002.

**Employer** - University of Arizona, College of Agriculture, Cooperative Extension, Coconino County, 2304 N. 3<sup>rd</sup>. St., Flagstaff, AZ 86001.

**Supervisor** – Beth Tucker, 2304 N. 3<sup>rd</sup>. St., Flagstaff, AZ 86001.

**Extension responsibilities**– Educate the citizens of Coconino County on high elevation horticulture issues, with particular expertise in ornamental horticulture, home vegetable and fruit gardening, urban forestry, urban forest interface forest health, and plant problem diagnosis. Assist citizens at the lower elevations of the county with related horticulture issues. Methods included the development of fact sheets, field demonstrations, field days, workshops, and conferences.

**Research responsibilities** – Insect patterns on exotic trees and shrubs with particular emphasis on the native and exotic species of *Robinia* (1993-2001). Conducted small fruit variety trials (1992-94). Apple codling moth migration pattern testing (1993). Apple codling moth control with bagging (2001-2002).

**Graduate Research Assistant,** 1998-99 Sabbatical leave from University of Arizona.

**Employer** - Northern Arizona University, School of Forestry.

**Supervisor** –Michael R. Wagner, Regents Professor, Northern Arizona University, Flagstaff, AZ 86011

**Research responsibilities** – Insect patterns on exotic trees and shrubs with particular emphasis on the native and exotic species of *Robinia*.

**Extension Blueberry Specialist and Associate Extension Educator**, 1988-90 and  
**Extension Blueberry Specialist and Assistant Extension Educator**, 1984-88

**Employer** – University of Maine, Cooperative Extension.

**Supervisor** – Bill Weber, Program Administrator, University of Maine Cooperative Extension, Orono, ME 04469.

**Extension responsibilities** – Developed and conducted extension program for lowbush blueberry growers to improve crop production systems. Specific programs included mineral nutrition, pruning, soil management, propagation, pest management, and marketing. Methods included the development of fact sheets, field demonstrations, field days, workshops, and conferences. Coordinated the Extension activities for the blueberry research team in the College of Agriculture, University of Maine.

**Research responsibilities** – Developed and conducted lowbush blueberry research on mineral nutrition, fresh marketing, mechanical harvesting, and establishing superior plant material.

**Graduate Research Assistant**, 1982-84.

**Employer** - Oregon State University, Department of Horticulture, Corvallis, OR 97331

**Supervisor** – Lloyd Martin and Pat Breen, Department of Horticulture, Corvallis, OR 97331

**Research responsibilities** – Developed and conducted research and statistical analysis to determine cultural practices necessary for the production of a new variety of fall fruiting red raspberry. Specifically determining response to pruning and nitrogen fertilization.

**Turf Research Assistant**, 1984

**Employer** - Oregon State University, Department of Horticulture, Corvallis, OR 97331

**Supervisor** – Tom Cook, Oregon State University, Department of Horticulture, Corvallis, OR

**Research responsibilities** - Assisted in establishing and maintaining turf research plots.

**Extension Volunteer**, 1984

**Employer** - Oregon State University, Department of Entomology, Corvallis, OR 97331

**Supervisor** – Glenn Fisher, Oregon State University, Department of Entomology, Corvallis, OR

**Extension responsibilities** - Assisted extension entomologist with insect monitoring, snapbean field day, and writing of corn earworm fact sheet. Presented seminars on cane berries.

**Small Fruit Breeding Research Assistant**, 1983

**Employer** - Oregon State University/U.S.D.A. Small Fruits Breeding Program. USDA Agricultural Research Service, Corvallis, OR 87331

**Supervisor** – Francis Lawrence, USDA Agricultural Research Service, Corvallis, OR

**Research responsibilities** - Assisted in breeding work for the development of new small fruit varieties.

**High School Vocational Agriculture Instructor, 1981-82**

**Employer** - Wasatch County School District, Heber City, UT 84032

**Supervisor** – John Carlile, Wasatch High School, Heber City, UT

**Responsibilities** - Taught high school vocational agricultural mechanics courses and advised Future Farmers of America on home and farm projects.

**Agricultural Extension Agent, 1981**

**Employer** - Montana State University, Cooperative Extension, Bozeman, MT 59717

**Responsibilities** - Worked with county citizens to implement programs in agriculture and 4-H.

**Wildland Firefighter, 1979**

**Employer** – United States Forest Service, Happy Camp, CA.

**Responsibilities** – Member of fire engine crew. Fought wildland fire on several forests in California. Conducted fire prevention projects.

**PhD DISSERTATION ABSTRACT**

**Patterns of Insect Occurrence on Exotic and Native Trees**

Patterns of insect occurrence on trees and shrubs growing in an exotic habitat are unknown for most species. *Robinia neomexicana* A. Gray is a common native shrub/tree in northern Arizona. A closely related species native to the eastern United States, *R. pseudoacacia* L., grows in similar climatic conditions as *R. neomexicana*. A literature review of the genus *Robinia* was conducted. This genus was used to determine arthropod species occurrence for a native and a similar non-native species. Arthropods were collected on native locust, *R. neomexicana*, and exotic *R. pseudoacacia* in northern Arizona over a 2-year period to determine if differences in the number of arthropod species and number of individuals are present. More arthropod species were found on the native (251) than on the exotic *Robinia* (174). Greater species diversity was likewise found on the native than the exotic. The five most numerous insects collected each year accounted for 81% to 91% of the total number collected on the exotic and native *Robinia* in 1997 and 1998. Only 12 species occurred on both the native and exotic *Robinia* each of the two years.

A final study was conducted on the diversity of arthropod species on woody plants in their native habitat compared with the diversity when that same host species was grown as an exotic and when that same genera is growing as a native. Thirty-two pairs of arthropod species data sets were analyzed to determine arthropod diversity on plants grown as exotics. Length of time since introduction of the exotic, and total area of native range and exotic planting was also included in the analysis. The 32 pairs of arthropod data sets were broken into nine additional groups that were used in the analysis. More arthropod species were found to colonize plants growing as a native than the same species grown as an exotic. The most significant differences were seen on the pooled data sets.

## **M.S. THESIS ABSTRACT**

### **Growth and Development of Primocane Fruiting Red Raspberry (*Rubus ideaus* L.), and Influence of Nitrogen Fertilizer and Pruning**

A cultivar comparison study was conducted to identify similarities and differences in cane characteristics between two primocane fruiting red raspberry and to determine if the differences and similarities can help determine cultural practices that may improve productivity. The comparison of the cultivars ‘Amity’ and August Red’ showed a difference in vegetative and fruiting characteristics. ‘Amity’ is much more vigorous having greater cane length and diameter, greater leaf area and longer distance to the first fruiting node. ‘August Red’ had a greater number of fruiting sites, more fruits set per cane and a higher percentage of fruit set. Both cultivars increased in vigor and productivity over the two-year period. Cane length, cane diameter and leaf area were positively correlated with fruit number for both cultivars.

A crop response study was conducted to determine the effect of two nitrogen and three pruning methods on earliness of flowering and the subsequent effect on yield and cane characteristics. Time of flowering and the time required for fruit ripening to occur were unaffected by any treatment. The distribution of fruit on the cane was greatest at the basal end, fewest at the apical end. The largest fruits were found at the apical end and the smallest at the basal end. High nitrogen, 135kg/ha vs. 67kg/ha, increased yield late in the harvest season resulting in 14% higher total yield (8.1 vs. 7.0 MT/ha). Pruning back the current season primocane growth to 40 cm above the ground had a detrimental effect on yield per cane but due to an increase in the number of branched canes total yield was greater (not significantly however); 8.0MT/ha vs. 7.5 or 7.0 MT/ha for dormant cane pruning at 20 cm and 0 cm respectively. None of the pruning treatments improved the self-supporting cane characteristic.

## **HONORS AND AWARDS**

- 2006 Communication Award, the National Association of County Agricultural Agents, Regional Finalist. For the fact sheet “The American Hornet Moth in the Urban Forests of Northern Arizona Above 6000 Foot Elevations”. University of Arizona Cooperative Extension.
- 2006 Communication Award, the National Association of County Agricultural Agents, Regional Finalist. For the world wide web home page “Arizona Forest Health”. Tom DeGomez, content author. University of Arizona Cooperative Extension.
- 2006 Poster Contest at College of Agriculture and Life Sciences Annual Conference. First Place – Research Division. Firewise Landscaping Mulch Materials. Co-Authors – Alix Rogstad, Jeff Schalau, Chris Hayes, and Jack Kelly.
- 2005 Poster Contest at College of Agriculture and Life Sciences Annual Conference. First Place – Research Division. Bark Beetle Community Structure. Co-Authors – Kelly Barton, Joel McMillin, Karen Clancy, Andrew Miller, and John Anhold.
- 2005 Bayer Advanced, Communication Award, The National Association of County Agricultural Agents, National Finalist. For the 2004 publication of “Beyond the

Ponderosa: Successful Landscape Trees for Higher Elevations in the Southwest” second edition.

- U.S. Forest Service 2004-05 Rural Community Assistance Award for Leadership. 6/6/2005. With other partners of the Rural Communities Fuels Management Partnership.
- Secretary’s Honor Award. Given by USDA – Secretary of Agriculture Ann Veneman, 6/13/2003. With other partners of the Rural Communities Fuels Management Partnership.
- 2002 Communication Award, the National Association of County Agricultural Agents, Regional Finalist. For the quarterly newsletter “The Plateau Gardener”. University of Arizona Cooperative Extension. T.E. DeGomez, contributing author.
- Distinguished Service Award, National Association of County Ag. Agents, 2001.
- 2000 AT&T Communication Award, the National Association of County Agricultural Agents, Regional Finalist. For the 1999 publication of “Arizona Master Gardener Manual”. University of Arizona Cooperative Extension. Tucson, Arizona. R.E. Call, editor. T.E. DeGomez, contributing author.
- 1999 American Society for Horticultural Science, Extension Division Educational Materials Award, Commercial Ornamentals, Floriculture, and Turf. For the 1998 publication of “Beyond the Ponderosa: Successful Landscape Trees for Higher Elevations in the Southwest”.
- 1999 AT&T Communication Award, the National Association of County Agricultural Agents, Regional Finalist. For the 1998 publication of “Beyond the Ponderosa: Successful Landscape Trees for Higher Elevations in the Southwest”.
- 1998 Governors Pride Award, State of Arizona, in the category of Beautification and Forestry Projects for “Beyond the Ponderosa: Successful Landscape Trees for Higher Elevations in the Southwest”.

### **MEMBERSHIPS IN PROFESSIONAL SOCIETIES**

- Entomological Society of America, member, 1999 – present.
- American Society for Horticultural Science, 1984 - 2002.
- Society of American Foresters, 1999 – present.
- Arizona Association of County Agricultural Agents, 1990 - present, President 1995.
- National Association of County Agricultural Agents, 1990 – present, Western Region Chair for Extension Programs, 2003 – 2005.
- The Association for Fire Ecology, 2007.

### **INVITED CONFERENCE PRESENTATIONS (1995 - 2007)**

- Sawflies, caterpillars and beetles, Oh My! The Good, Bad and Ugly of Tree Insects. Arizona Highlands Garden Conference 2007, San Carlos, Arizona
- Climate Change and Variability in Southwest Forests and Woodlands: A Series of Extension Activities. WCC 1003 Extension Forestry Summer Meeting. Moscow, ID,

2007.

- Major Forest and Insect Issues in the Sky Islands. Southwest Section of the Society of American Foresters and the Chihuahua Section of the Mexican Assoc. of Prof. Foresters Biannual Meeting. Tucson, AZ. 2005.
- Aspen Health. Arizona Highlands Garden Conference 2005, Flagstaff, Arizona.
- Single Tree Protection from Bark Beetles with Insecticides. Arizona/New Mexico Forest Health Annual Training. Flagstaff, AZ. May 26, 2005.
- Avoiding Construction Damage of Trees and Shrubs. Keep Sedona Beautiful Bi-annual Conference. Sedona, Arizona. 2005, 2004, 2003, 2002, 2000, 1998, 1996.
- Forest Health in Arizona. Arizona Community Tree Council Annual Conference. Prescott, AZ. June 11, 2004.
- Arizona Bark Beetle Outbreak. Annual University of Arizona Extension Conference. Tucson, AZ. August 31, 2004.
- Bark Beetles, Fire and Forest Health. High on the Desert Gardening and Landscape Conference. Sierra Vista, Arizona. 2003.
- Bark Beetles in Arizona Cypress. Keep Sedona Beautiful Bi-annual Conference. Sedona, Arizona. 2003.
- Arizona's 2002 Bark Beetle Outbreak. Forest Health Conference. San Carlos Indian Reservation. 2003.
- State of Arizona's Bark Beetle Outbreak. Climate Change in the West Conference. Boulder, Co. 2003.
- State of Arizona's Bark Beetle Outbreak. Arizona Water Law Conference. Phoenix, AZ. 2003.
- State of Arizona's Bark Beetle Outbreak. Arizona Parks and Recreation Association Annual Conference. Tucson, AZ. 2003.
- Insect Identification for Beginners. Arizona Highlands Garden Conference. Flagstaff, Arizona. 2002.
- Identification of Tree Insects. High on the Desert Gardening and Landscape Conference. Sierra Vista, Arizona. 2002.
- Tree Selection and Planting. Arizona Community Tree Council Annual Conference. Prescott, AZ. 2002.
- Hands-on Garden Equipment Maintenance. Arizona Highlands Garden Conference. Prescott, Arizona. 2001.
- Pests of Exotic and Native Plants. High on the Desert Gardening and Landscape Conference. Sierra Vista, Arizona. 2001.
- Insects and Diseases of Trees. Turf Maintenance Association of Arizona Annual Summer Conference. Flagstaff, Arizona. 2001.
- Compost and Soil Amendments. Arizona Highlands Garden Conference. Payson, Arizona. 2000.
- Using the Constructivist Classroom to Teach Master Gardeners. Western Regional Master Gardener Conference. Mesa, Arizona. 2000.
- Successful Landscape Trees for the High Elevations of the Southwest. Western Regional Master Gardener Conference. Mesa, Arizona. 2000.

- High Elevation Landscape Trees. High on the Desert Gardening and Landscape Conference. Sierra Vista, Arizona. 1998.
- Cooperative Extension's Role in Composting Education. Composting Western Style – Western Regional Conference. Phoenix, Arizona. 1998.
- The Grow Lab Primers: A How To Demonstration. Western Regional 4-H Leaders Forum, Tucson, Arizona. 1998.
- The Grow Lab Primers: Harvesting Available Resources. 1997 Southwestern Low Desert Gardening and Landscaping Conference, Phoenix, Arizona. 1997.
- The Grow Lab Primers: A How To Demonstration. Southwestern Low Desert Gardening and Landscaping Conference, Phoenix, Arizona. 1996.
- Grow Lab Primers: An Innovative Method of Teaching Science in the Classroom. Innovative Horticultural Topics to Consumers; National Association of County Agricultural Agents, 81<sup>st</sup> Annual Meeting and Professional Improvement Conference, Nashville, Tennessee. 1996.
- *Robinia*: A Review of the Genus. High on the Desert Gardening and Landscape Conference. Sierra Vista, Arizona. 1996.
- Blackberry Production. High on the Desert Gardening and Landscape Conference. Sierra Vista, Arizona. 1995.

### **SCHOLARLY PRESENTATIONS**

- Hayes, C., T. DeGomez, T. Kolb and J. Anhold. 2008. Bugs & Burns: Effects of Fire on Ponderosa Pine Mortality and Bark Beetles. Poster Presentation. Forest Health Monitoring 13<sup>th</sup> Annual Workgroup Meeting, San Antonio, TX, February 12, 2008.
- Hayes, C., T. DeGomez, M. Fairweather and B. Geils. 2008. Assessing aspen regeneration in East-central Arizona. Poster Presentation. Forest Health Monitoring 13<sup>th</sup> Annual Workgroup Meeting, San Antonio, TX, February 12, 2008.
- Hayes, C., T. DeGomez, J. McMillin, J. Anhold, M. Wagner and C. Edminster. Use of verbenone and non-host volatiles to reduce engraver beetle attack on ponderosa pine in Arizona. Poster Presentation. Annual Southwestern Regional Timber Staff/Silviculturalist meeting. Albuquerque, NM. March 12-16, 2007. & College of Agriculture and Life Sciences Annual Conference. Tucson, AZ. August 15-16, 2006. & Asheville, NC. May 23-25, 2006. & University of Arizona CALS Annual Conference, Tucson, AZ. August 23-25, 2005.
- Williams, K., J. McMillin, T. DeGomez, K. Clancy and A. Miller. Influence of elevation on bark beetle community structure and flight periodicity in ponderosa pine forests of Arizona. Poster Presentation. Annual Southwestern Regional Timber Staff/Silviculturalist meeting. Albuquerque, NM. March 12-16, 2007. & 58<sup>th</sup> Annual Western Forest Insect Work Conference, March 5-8, 2007, Boise, ID.
- DeGomez, T., C. Hayes, J. Anhold, J. McMillin, K. Clancy and P. Bosu. Effectiveness of Carbaryl, Permethrin, Bifenthrin, Acephate and Dinotefuran in protecting ponderosa pine bolts from attack by engraver beetle. Poster Presentation: Annual Southwestern Regional Timber Staff/Silviculturalist meeting. Albuquerque, NM. March 12-16, 2007.

- Hayes, C., T. DeGomez, K. Clancy, J. McMillin, and J. Anhold. 2007. Effectiveness of Carbaryl, Permethrin, and Bifenthrin in Protecting Arizona Cypress and Oneseed Juniper from Attack by Cypress Beetle. Poster Presentation. Annual Southwestern Regional Timber Staff/Silviculturalist meeting. Albuquerque, NM. March 12-16, 2007.
- DeGomez, T., C. Hayes, J. McMillin, J. Anhold, K. Clancy, and P. Bosu. Evaluation of Insecticides for Protecting Southwestern Ponderosa Pines from Attack by Engraver Beetles. Poster Presentation. 58<sup>th</sup> Annual Western Forest Insect Work Conference, March 5-8, 2007, Boise, ID.
- Hayes, C., T. E. DeGomez, J. D. McMillin, J. A. Anhold, and R.W. Hofstetter. Factors influencing pine engraver colonization and development in ponderosa pine slash in northern Arizona. Poster Presentation. 58<sup>th</sup> Annual Western Forest Insect Work Conference, March 5-8, 2007, Boise, ID.
- Fettig, C.J., K.K. Allen, R.R. Borys, J. Christopherson, C.P. Dabney, T.E. DeGomez, T.A. Eager, K.E. Gibson, D.M. Grosman, E.G. Hebertson, D.F. Long, A.S. Munson, P.J. Shea, S.L. Smith, and M.I. Haverty. Insecticides for protecting individual, high-value trees from bark beetle attack: an overview of some recent research efforts in the West. Poster Presentation. 58<sup>th</sup> Annual Western Forest Insect Work Conference, March 5-8, 2007, Boise, ID.
- Hayes, C., T. DeGomez, K. Clancy, J. McMillin, J. Anhold, and K. Williams. Evaluation of funnel traps for characterizing the bark beetle communities in ponderosa pine forests of northern Arizona. Poster Presentation. 58<sup>th</sup> Annual Western Forest Insect Work Conference, March 5-8, 2007, Boise, ID.
- DeGomez, T. Maintaining an extension program while drowning in bark beetles. 58<sup>th</sup> Annual Western Forest Insect Work Conference, March 5-8, 2007, Boise, ID.
- Hayes, C., T. DeGomez, M. Fairweather and B. Geils. 2007. Assessing aspen regeneration in East-central Arizona. Forest Health Monitoring 13<sup>th</sup> Annual Workgroup Meeting, San Diego, CA, January 31, 2007.
- Hayes, C., T. DeGomez, A. Rogstad, J. Schalau, and J. Kelly. Flammability of various landscape mulches. Poster Presentation. 3<sup>rd</sup> International Fire Ecology and Management Congress, San Diego, CA, November 13-17, 2006.
- Hayes, C., T. DeGomez, J. McMillin and J. Anhold. Effects of season of cut and over story density on *Ips* spp. utilization of logging slash in ponderosa pine in the southwest. Poster presentation. College of Agriculture and Life Sciences Annual Conference. Tucson, AZ. August 15-16, 2006. & North American Forest Workers Insect Conference. Asheville, NC. May 23-25, 2006.
- Hayes, C., T. DeGomez, A. Rogstad, J. Schalau, and J. Kelly. Firewise Landscaping Mulch Materials. Poster Presentation. College of Agriculture and Life Sciences Annual Conference. Tucson, AZ. August 15-16, 2006.
- Gaylord, M., K. Williams, R. Hofstetter, J. McMillin, T. DeGomez and M. Wagner. Flight temperature thresholds for southwestern ponderosa pine bark beetles. Poster Presentation. North American Forest Workers Insect Conference. Asheville, NC. May 23-25, 2006.

- Allender, C., K. Clancy, J. McMillin, T. DeGomez, P. Keim, and D. Wagner. Genetic variation among and within three important bark beetle species found in ponderosa pine forests of Arizona. Poster Presentation. Eighth Biennial Conference of Research on the Colorado Plateau. Flagstaff, AZ. November 13, 2005.
- Hayes, C., T. DeGomez, J. McMillin, J. Anhold, and M.R. Wagner. Use of verbenone and non-host volatiles to reduce engraver beetle attack on ponderosa pine in Arizona. Poster Presentation. National Bark Beetle Technical Working Group in Midway, UT October 4-6, 2005.
- Barton, K., J. McMillin, T. DeGomez, K. Clancy, J. Anhold and A. Miller. Influence of elevation on bark beetle community structure in ponderosa pine stands of northern Arizona. Poster Presentation. National Bark Beetle Technical Working Group in Midway, UT October 4-6, 2005. & College of Agriculture and Life Sciences Annual Conference. Tucson, AZ. August 23-24, 2005.
- Miller, A., K. Barton, J. McMillin, T. DeGomez, K. Clancy and J. Anhold. Influence of elevation on bark beetle community structure in ponderosa pine stands of northern Arizona. Poster Presentation. The Joint Southwest/ Intermountain Society of American Foresters 2005 Spring Meeting. St George, UT. May 11-13, 2005.
- Hayes, C., T. DeGomez, K. Clancy, J. McMillin and J. Anhold. Do bark beetle sprays prevent *Phloeosinus* species from attacking Cypress and juniper? Poster Presentation. The Joint Southwestern/ Intermountain Society of American Foresters 2005 Spring Meeting. St. George, UT. May 11-13, 2005.
- Allender, C. J., K. M. Clancy, J. D. McMillin, T. E. DeGomez, P. Keim, and D. M. Wagner. Genetic variation among and within three important bark beetle species found in Ponderosa pine forests of Arizona. Poster Presentation. Eighth Biennial Conference of Research on the Colorado Plateau, Flagstaff, Arizona, November 2005.
- Jones, C, T. DeGomez, G. Garfin, A. Rogstad, M. Lenart, K. Jacobs and M. Crimmins. Climate Variability and Ecosystem Impacts in Southwestern Forests and Woodlands. Poster Presentation. CALS Annual Faculty Conference in September, 2004.
- Loomis, B., and T. DeGomez. Early detection rapid response to invasive species in forested areas in Arizona. Poster Presentation. Southwest Vegetation Management Conference. Phoenix, AZ. November 2-4, 2005.
- DeGomez, T., and M. Wagner. Insect colonization of exotic and native trees and shrubs. Poster Presentation. International Union of Forest Researchers Working Group Meeting. Hanmer Springs, New Zealand. August 10, 2004.
- DeGomez, T., and A. Matthias. Greater Parks forest health and fuels reduction program. Poster Presentation. 2003 Southwest Fire Conference. Flagstaff, AZ. April 29, 2003.
- DeGomez, T. E., and M.R. Wagner. Arthropod colonization rates of exotic woody species. Poster Presentation. XXI International Congress of Entomology, August 20-26, 2000. Foz do Iguassu, Brazil.
- DeGomez, T., and M.R. Wagner. Arthropod species diversity of exotic vs. native *Robinia* species in northern Arizona. Poster Presentation. Western International Forest Insect Research Workers Conference, September 12-18, 1999, Breckenridge, Colo.
- DeGomez, T., and M.R. Wagner. Arthropod population rates on exotic versus native

*Robinia* species in northern Arizona. Poster Presentation. Joint Annual Meeting Entomological Society of America and American Phytopathological Society, November 8-12, 1998, Las Vegas, Nevada.

- Scarbrough, D., T. DeGomez, S. Mann, D. Nichols, M. Wagner, and P. Wagner. Comparison of Accumulation Rates of Insect Species on Exotic vs. Native Tree Plantations. Poster Presentation. 1996 N. A. Forest Insect Work Conf., San Antonio, TX.
- DeGomez, T. 1991. Lowbush Blueberry Production In The Nineties. Proceedings of Western Region of the American Society For Horticultural Science.
- Mara, M.C., T.A. Woods and T. DeGomez. A Comparison of Lowbush Blueberry Harvesting Technologies. Proceedings of the Sixth North American Blueberry Research-Extension Workers Conference. July 10-12, 1990 Portland, Oregon.
- DeGomez, T. and J. Smagula. 1988. Survey of Soil and Leaf Nutrients in Lowbush Blueberry Fields and Related Extension Activities. Fourth International Symp. on Vaccinium Culture.
- Smagula, J. and T. DeGomez. 1988. Establishing Superior Plant Material in Commercial Lowbush Blueberry Fields. Fourth International Symposium on Vaccinium Culture.
- DeGomez, T. 1987. Fresh Marketing Maine Lowbush Blueberries. Proceedings of Northeast Region of the American Society for Horticultural Science.

## **PUBLICATIONS**

### **1. Books**

- DeGomez, T.E. 2004. Beyond the Ponderosa: Successful Landscape Trees for Higher Elevations in the Southwest, 2<sup>nd</sup> Edition. J. D. Bailey (Ed.). Flagstaff Community Tree Board, Flagstaff, Arizona. 40 color plates, 108 pp.

### **2. Journal Articles**

- Williams, K.K., J.D. McMillin, T.E. DeGomez, K.M. Clancy, and A. Miller. Relative and Seasonal Abundance of Three Bark Beetle Predators (Coleoptera: Trogositidae, Cleridae) Across an Elevation Gradient in Ponderosa Pine Forests of Arizona. Ag. & For. Ent. Submitted.
- DeGomez, T.E., C.J. Hayes, J.A. Anhold, J.D. McMillin, and M.R. Wagner. Using verbenone and non-host volatiles to prevent *Ips* bark beetle colonization of ponderosa pine slash, 2005-2006. Arthropod Management Tests. In review.
- Hayes, C.J., T.E. DeGomez, K.M. Clancy, and J.D. McMillin. Evaluation of Funnel Traps for Characterizing the Bark Beetle (Coleoptera: Curculionidae, Scolytinae) Communities in Ponderosa Pine Forests of Northern Arizona. J. Econ. Ent. In Press.
- Hayes, C.J., T.E. DeGomez, J.D. McMillin, J.A. Anhold, and R. Hofstetter. Factors Influencing Pine Engraver (*Ips pini* Say) Colonization of Ponderosa Pine (*Pinus ponderosa* Dougl. ex. Laws.) Slash in Northern Arizona. For. Eco. & Mgt. In Press.

- Allender, C.J., K.M. Clancy, T.E. DeGomez, J.D. McMillin, S.A. Woolbright, P. Keim, and D.M. Wagner. Lack of Genetic Differentiation in Aggressive Bark Beetles (*Coleoptera: Curculionidae: Scolytinae*) from Arizona. *J. Envir. Ent.* In Press.
- Gaylord, M.L., K. K. Williams, R. W. Hofstetter, J. D. McMillin, T. E. DeGomez, and M. R. Wagner. Influence of temperature on spring flight initiation for Southwestern ponderosa pine bark beetles (*Coleoptera: Curculionidae, Scolytinae*). *J. Envir. Ent.* 37:57-69.
- Williams, K.K., J.D. McMillin, T.E. DeGomez, K.M. Clancy, and A. Miller. Influence of Elevation on Bark Beetle (*Coleoptera: Curculionidae, Scolytinae*) Community Structure and Flight Periodicity in Ponderosa Pine Forests of Arizona. *J. Envir. Ent.* 37:94-109.
- DeGomez, T.E., C.J. Hayes, J.A. Anhold, J.D. McMillin, and K.M. Clancy. 2007. Evaluation of Insecticides for Protecting Arizona Cypress and One-seed Juniper from Attack by *Phloeosinus* Bark Beetles (*Coleoptera: Curculionidae, Scolytinae*). *J. Arboriculture and Urban Forestry* 33(3):162-167.
- Fettig, C., T. DeGomez, K. Gibson, C. Dabney and R Borys. 2006. Effectiveness of permethrin plus-C and carbaryl for protecting individual, high-value pines from bark beetle attack. *J. Arboriculture and Urban Forestry* 32:247-252.
- DeGomez, T.E., C.J. Hayes, J.A. Anhold, J.D. McMillin, K.M. Clancy, and P.P. Bosu. 2006. Evaluation of insecticides for protecting southwestern ponderosa pines from attack by engraver beetles (*Coleoptera: Curculionidae, Scolytinae*). *J. Econ. Ent.* 99:393-400.
- DeGomez, T.E. and M.R. Wagner. 2001. The culture and utilization of *Robinia*. *HortTechnology* 11:279-288.
- DeGomez, T.E. and M.R. Wagner. 2001. Arthropod diversity of exotic vs. native *Robinia* species in northern Arizona. *Agricultural and Forest Entomology* 3:19-27.
- DeGomez T.E., L.W. Martin, and P. J. Breen, 1986. Effect of Nitrogen and Pruning on Primocane Fruiting Red Raspberry "Amity". *HortScience* 21(3):441-442.

### 3. Extension Fact Sheets

- DeGomez, T., C.J. Fettig, J.D. McMillin, J.A. Anhold, and C. Hayes. Managing Slash to Minimize Colonization of Residual Leave Trees By *Ips* and Other Bark Beetle Species Following Thinning in Southwestern Ponderosa Pine. University of Arizona, College of Agriculture and Life Sciences Bulletin. Tucson, Arizona. In Review.
- Rogstad, A., T. DeGomez, C. Hayes, J. Schalau and J. Kelly. 2007. Mulch Materials for a Firewise Landscape. University of Arizona, College of Agriculture and Life Sciences Bulletin. AZ1440. Tucson, Arizona.
- Rogstad, A., T. DeGomez and C. Seig. 2007. Invasive Plant Species in Arizona's Forests and Woodlands: Climate Change and Variability in the Southwest Ecosystem Series. University of Arizona, College of Agriculture and Life Sciences Bulletin. AZ1436. Tucson, Arizona.
- DeGomez, T., and M. Lenart. 2006. Management of Forests and Woodlands: Climate Change and Variability in the Southwest Ecosystem Series. University of Arizona, College of Agriculture and Life Sciences Bulletin, AZ1418. Tucson, Arizona.
- DeGomez, T., and G. Garfin. 2006. Insects, Diseases and Abiotic Disorders in Southwest

Forests and Woodlands: Climate Change and Variability in the Southwest Ecosystem Series. University of Arizona, College of Agriculture and Life Sciences Bulletin, AZ1424. Tucson, Arizona.

- DeGomez, T. 2006. Guidelines for Thinning Ponderosa Pine for Improved Forest Health and Fire Prevention. University of Arizona, College of Agriculture and Life Sciences Bulletin, AZ1397. Tucson, Arizona.
- DeGomez, T. and B. Celaya. 2006. Piñon Bark Beetles. University of Arizona, College of Agriculture and Life Sciences Bulletin, AZ1394. Tucson, Arizona
- DeGomez, T. 2006. Preventing Bark Beetle Attacks on Conifers with Insecticides. University of Arizona, College of Agriculture and Life Sciences Bulletin, AZ1380. Tucson, Arizona.
- DeGomez, T., and B. Loomis. 2005. Firewood and Bark Beetles in the Southwest. University of Arizona, College of Agriculture and Life Sciences Bulletin, AZ1370. Tucson, Arizona.
- DeGomez, T., and J. Schalaus. 2002. FIREWISE Plant Materials for 3,000 ft. and Higher Elevations. University of Arizona, College of Agriculture and Life Sciences Bulletin, AZ1289. Tucson, Arizona.
- DeGomez, T., and D. Young. 2002. Pine Bark Beetles. University of Arizona, College of Agriculture and Life Sciences Bulletin, AZ1300. Tucson, Arizona.
- DeGomez, T. 2002. American Hornet Moth in the Urban Forests of Northern Arizona above 6000 Foot Elevations. University of Arizona, College of Agriculture and Life Sciences Bulletin, AZ1284. Tucson, Arizona.
- DeGomez, T., and H. Braun. 2002. Shrubs for Northern Arizona above 6000 Foot Elevations. University of Arizona, College of Agriculture and Life Sciences Bulletin, AZ 1285. Tucson, Arizona.
- DeGomez, T., and H. Braun. 2002. Groundcovers in Northern Arizona above 6000 Foot Elevations. University of Arizona, College of Agriculture and Life Sciences Bulletin, AZ1286. Tucson, Arizona.
- DeGomez, T. 2002. Growing Tomatoes Above 6000 foot Elevations in Arizona. University of Arizona, College of Agriculture and Life Sciences Bulletin AZ 1282. Tucson, AZ.
- DeGomez, T. 2001. Cooley Spruce Gall Adelgid in Northern Arizona above 6000' Elevations. University of Arizona, College of Agriculture and Life Sciences Bulletin AZ 1247. Tucson, AZ.
- DeGomez, T. 2001. Tent Caterpillars in Northern Arizona above 6000' Elevations. University of Arizona, College of Agriculture & Life Sciences Bulletin AZ 1249. Tucson.
- DeGomez, T. 2001. Oystershell Scale in Northern Arizona above 6000' Elevations. University of Arizona, College of Agriculture & Life Sciences Bulletin AZ 1248. Tucson.
- DeGomez, T., and H. Braun. 2001. Perennials for Northern Arizona above 6000 Foot Elevations. University of Arizona, College of Agriculture and Life Sciences Bulletin AZ1256. Tucson, Arizona.

- DeGomez, T., and H. Braun. 2001. Annuals for Northern Arizona above 6000 Foot Elevations. University of Arizona, College of Agriculture and Life Sciences Bulletin AZ1255. Tucson, Arizona.
- DeGomez, T. 2001. Source List for Seed and Plants for the Upland Southwest. University of Arizona, College of Agriculture and Life Sciences Bulletin AZ1257. Tucson, Arizona.
- DeGomez, T. 1999. Fertilizing Home Gardens in Arizona. University of Arizona College of Agriculture, Cooperative Extension Bulletin, AZ1020. Tucson, Arizona.
- McReynolds, K., T. DeGomez, G. Fredrick, L. Howery, and M. Kroll. 1997. Tips on Land and Water Management for Small Farms and Ranches in Arizona. University of Arizona, College of Agriculture, Cooperative Extension. Tucson, Arizona.
- DeGomez, T. 1995. Cooley Spruce Gall Adelgid in Urban forests of Northern Arizona, COCO-0009. University of Arizona Cooperative Extension, Coconino County Horticulture Facts.
- DeGomez, T. 1995. Tent Caterpillars in Urban Forests of Northern Arizona, COCO-0008. University of Arizona Cooperative Extension, Coconino County Horticulture Facts.
- DeGomez, T. 1995. Results of Red Raspberry Variety Trial, COCO-0013. University of Arizona Cooperative Extension, Coconino County Horticulture Facts. Flagstaff, AZ.
- Direct Farm Marketing and Tourism Handbook. 1995. Russel Tronstad and Julie Leones, Editors. T. DeGomez, contributing author. University of Arizona, College of Agriculture, Cooperative Extension. Tucson, Arizona.
- DeGomez, T. 1995. Backyard Small Fruit Production at Elevations Above 6500 Feet. University of Arizona, College of Agriculture, Cooperative Extension, publication number 193012. Tucson, Arizona.
- DeGomez, T. 1994. Backyard Cane Fruit Production at Elevations 4000 to 6000 Feet, COCO-0012. University of Arizona, College of Agriculture, Cooperative Extension, Coconino County Horticulture Facts. Flagstaff, Arizona.
- DeGomez, T. 1993. Xeriscape Plants for Navajo and Hopi Nations, COCO-0010. University of Arizona, College of Agriculture, Cooperative Extension, Coconino County Horticulture Facts. Flagstaff, Arizona.
- DeGomez, T. 1993. How to Save Water and Have Healthier Plants, COCO-0002. University of Arizona, College of Agriculture, Cooperative Extension, Coconino County Horticulture Facts. Flagstaff, Arizona.
- DeGomez, T. 1993. Planting Guide For Trees and Shrubs in Flagstaff, COCO-0006. University of Arizona, College of Agriculture, Cooperative Extension, Coconino County Horticulture Facts. Flagstaff, Arizona.
- DeGomez, T. 1992. Variety Selection For Backyard Small Fruit Production, COCO-0004. University of Arizona, College of Agriculture, Cooperative Extension, Coconino County Horticulture Facts. Flagstaff, Arizona.
- DeGomez, T. 1992. Growing Tomatoes at 7000 feet in Arizona, COCO-0001. University of Arizona, College of Agriculture, Cooperative Extension, Coconino County Horticulture Facts. Flagstaff, Arizona.
- DeGomez, T. 1992. Suggested Vegetable Varieties For Above 6000 ft., COCO-0003.

University of Arizona, College of Agriculture, Cooperative Extension, Coconino County Horticulture Facts. Flagstaff, Arizona.

- DeGomez, T., and D. Young. 1992. Backyard Tree-Fruit Production at Elevations Above 6500 Feet, COCO-0005. University of Arizona, College of Agriculture, Cooperative Extension, Coconino County Horticulture Facts. Flagstaff, Arizona.
- DeGomez, T. 1992. Plants for 7000 to 8000 Foot Elevations, COCO-0007. University of Arizona, College of Agriculture, Cooperative Extension, Coconino County Horticulture Facts. Flagstaff, Arizona.
- DeGomez, T., and B. Tucker. 1991. Navajo Housing Authority Clean House Series, "Why Have a Clean House," "What to Use to Clean Your House," "Cleaning Floors," "Removing Spills and Stains," "Cleaning Kitchen," "Electric Ranges," "Bathroom", "Kill Those Flies for a Clean House," "Kill Those Roaches for a Clean House," and "Kill Those Bed Bugs for a Happy Home." University of Arizona, College of Agriculture, Cooperative Extension, Coconino County Bulletin. Flagstaff, Arizona.
- DeGomez, T. 1991. Composting Made Simple. University of Arizona Cooperative Extension Coconino County. Flagstaff, Arizona.
- Blueberry Pesticide Application - Pesticide Applicator Training Manual: Blueberry. University of Maine Cooperative Extension. 1991. Edited by L. Gucciardo. J. A. Collins, T. DeGomez, H.Y. Forsythe, D. Handley, D. Lambert, and D. Yarborough. Orono, Maine.
- DeGomez, T., H.Y. Forsythe, D. H. Lambert, E. Osgood, J. Smagula, and D. Yarborough. 1990. Introduction to Growing Lowbush Blueberries in Maine. University of Maine Cooperative Extension Service Fact Sheet No. 220. Orono, Maine.
- DeGomez, T., and A. L. Hoelper. 1989. Blueberry Enterprise Budget. University of Maine Cooperative Extension Service Fact Sheet No. 260. Orono, Maine.
- DeGomez, T., H.Y. Forsythe and J. Dill. 1989. 1989 Chemical Insect Control for Lowbush Blueberries. University of Maine Cooperative Extension Service Fact Sheet No. 209. Orono, Maine.
- DeGomez, T., and D. Yarborough. 1989. 1989 Chemical Weed Control for Lowbush Blueberries. University of Maine Cooperative Extension Service Fact Sheet No. 239. Orono, Maine.
- DeGomez, T., and D. Lambert. 1989. 1989 Chemical Disease Control for Lowbush Blueberries. University of Maine Cooperative Extension Fact Sheet No. 219. Orono, Maine.
- Jadcak, T., and T. DeGomez. 1989. Commercial Pollinators. University of Maine Cooperative Extension Service Fact Sheet No. 224. Orono, Maine.
- Smagula, J., and T. DeGomez. 1989. Lowbush Blueberry Nutrition Series - Fertilizing With Nitrogen and Phosphorous. University of Maine Cooperative Extension Fact Sheet No. 225. Orono, Maine.
- DeGomez, T. 1989. Spray Drift and Your Neighbor. University of Maine Cooperative Extension Service Fact Sheet No. 208. Orono, Maine.
- Yarborough, D., and T. DeGomez, 1989. Postemergence Grass Control for Lowbush Blueberries. University of Maine Cooperative Extension Service Fact Sheet No. 235.

Orono, Maine.

- Yarborough, D., and T. DeGomez. 1989. Weed Management in Lowbush Blueberry Fields. University of Maine Cooperative Extension Service Fact Sheet No. 236. Orono, Maine.
- Woods, T.A., M. C. Marra, and T. E. DeGomez. 1989 Blu-Harv Version 1.0 Cost Comparison Spreadsheets for Four Lowbush Blueberry Harvesters: A User's Manual. Maine Agricultural Experiment Station Miscellaneous Publication No. 706. Orono, Maine.
- DeGomez, T. 1988. Pruning Lowbush Blueberry Fields. University of Maine Cooperative Extension Service Fact Sheet No. 229. Orono, Maine.
- DeGomez, T., and J. Smagula. 1987. Filling Bare Spots in Blueberry Fields. University of Maine Cooperative Extension Service Fact Sheet No. 221.
- Smagula, J., and T. DeGomez. 1987. Lowbush Blueberry Nutrition Series - N-P-K. University of Maine Cooperative Extension Service Fact Sheet No. 223.
- Smagula, J., and T. DeGomez. 1987. Lowbush Blueberry Nutrition Series - N-P-K. University of Maine Cooperative Extension Service Fact Sheet No. 222.
- Lambert, D.H., and T. DeGomez. 1987. Blueberry Diseases 1. University of Maine Cooperative Extension Service Fact Sheet No. 211.
- DeGomez, T., D. Yarborough and C. S. Campbell. 1987. Weeds 1, 2, 3, 4, 5, 6, 7, 8 and 9. University of Maine Cooperative Extension Service Fact Sheet No. 241, 242, 243, 244, 245, 246, 247, 248 and 249.
- DeGomez, T., A. L. Hoelper and D. Yarborough. 1987. Velpar for Weed Control in Lowbush Blueberries. University of Maine Cooperative Extension Fact Sheet No. 238.
- The Maine Gardener, 1988 Calendar. 1987. DeGomez, T., project coordinator. University of Maine Cooperative Extension Service.
- Collins, J.A., H.Y. Forsythe, and T. DeGomez. 1987. Blueberry Insects 1 and 2. University of Maine Cooperative Extension Service Fact Sheet No. 202 and 203.
- Fisher, G. and T. DeGomez. 1984. Corn Ear Worm. Oregon State University Cooperative Extension Service Fact Sheet.

#### **4. USDA Reports**

- Lucero, L., J. Anhold, R. Fitzgibbon, J.McMillin, M.L. Fairweather, S. Dudley, D. Allen-Reid, T. Rogers, D. Conklin, D. Ryerson, R. Norris, T. DeGomez and S. Sandoval. 2006. Forest Insect and Disease Conditions in the Southwestern Region, 2005. USDA, Forest Service Southwest Region Report PR-R3-16-1. Albuquerque, N.M.
- Lucero, L., J. Anhold, R. Fitzgibbon, J.McMillin, M.L. Fairweather, S. Dudley, D. Allen-Reid, T. Rogers, D. Conklin, D. Ryerson, R. Norris, and T. DeGomez. 2005. Forest Insect and Disease Conditions in the Southwestern Region, 2004. USDA, Forest Service Southwest Region Report R3-05-01. Albuquerque, N.M.
- Lucero, L., J. Anhold, R. Fitzgibbon, J.McMillin, M.L. Fairweather, S. Dudley, D. Allen-Reid, T. Rogers, D. Conklin, D. Ryerson, R. Norris, and T. DeGomez. 2004. Forest

Insect and Disease Conditions in the Southwestern Region, 2003. USDA, Forest Service Southwest Region Report R3-04-02. Albuquerque, N.M.

- Lucero, L., J. Anhold, R. Fitzgibbon, J. McMillin, M.L. Fairweather, S. Dudley, D. Allen-Reid, T. Rogers, D. Conklin, R. Norris, T. DeGomez, D. Rautenkranz, and R. J. Cain. 2003. Forest Insect and Disease Conditions in the Southwestern Region, 2002. USDA, Forest Service Southwest Region Report R3-03-01. Albuquerque, N.M.

## **5. Web Based Publications**

- University of Arizona Forest Health Home Page. 2006. Webmaster Kelly Block. <http://ag.arizona.edu/extension/fh/>
- University of Arizona. 2001. Arizona Plant and Horticultural Image Database. Contributing authors, H. Braun and T. DeGomez. High Elevation Trees, Shrubs, Perennial Flowers, Annual Flowers, and Groundcovers: Photos and Descriptions. <http://ag.arizona.edu/aphid/public/search.html>

## **6. Curriculum**

- DeGomez, T. 1997. Chapter 10, The Vegetable Garden and Chapter 16, Water Quality and Consumer Use of Lawn and Garden Chemicals. In: R.E. Call (ed.). Arizona Master Gardener Manual, University of Arizona Cooperative Extension. Tucson, Arizona.
- DeGomez, T. 1996. Grow Lab Primers: An Innovative Method of Teaching Science in the Classroom. University of Arizona, College of Agriculture, Cooperative Extension, Coconino County. Flagstaff, Arizona.

## **Media**

- Tom DeGomez, Special Guest. 2003. Cypress Bark Beetle in the Southwest. "Southwest Home and Garden" weekly television show. Produced by New Mexico State University.
- Tom DeGomez, Special Guest. 2003. Gardens of Flagstaff. "Southwest Home and Garden" weekly television show. Produced by New Mexico State University.
- Tom DeGomez, producer and writer. 1991. The Blueberry Report, 4 video programs, "What's Bugging Your Berries?," "Taking the Pulse of Your Fields," "Blueberry Ills" and "The Weeds You Love to Hate." University of Maine Coop. Extension. Orono, Maine.
- Tom DeGomez, project coordinator. 1987. Play It Safe With Groundwater, Slide-Tape Show. University of Maine Cooperative Extension Service. Orono, Maine.

## **GRANTS**

### **1. Grants Received**

#### **i. Research**

- Bugs & Burns: Effects of Fire on Ponderosa Pine Bark Beetle. \$38,010. Co-PI's John Anhold, Tom Kolb Chris Hayes, Kelly Williams, and Mike Manthei.
- Analysis of Forest Health Monitoring Surveys of Piñon/Juniper Woodlands in the Southwest. \$60,000.
- An Assessment of the Condition of Ponderosa Pine Forests in the Interior West of the United States. \$60,000. Co-PI Greg DeNitto.
- Use of Hercon Verbenone Flakes to Prevent Engraver Bark Beetle (*Ips* spp.) Colonization of Ponderosa Pine Slash. 2006. \$7,750. University of Arizona. Co-PI Chris Hayes.
- Determining Effective Sampling Area of Western Pine Beetle Pheromone Trap. 2006. \$31,000. U.S. Forest Service, STDP. Co-PI's Joel McMillin, John Anhold, Steve Smith.
- The Influence of Wolves on Decline in Aspen Communities in Northeastern Arizona. 2006. \$45,350. Co-PI's Mary Lou Fairweather, Brian Geils.
- Mapping Invasive Plants Species With GIS. U.S. Forest Service, STDP. \$19,530. Co-PI's Beverly Loomis, Kelly Williams, John Anhold
- Camp Navajo Ponderosa Pine Slash Management. 2005. \$24,998. Arizona Department of Emergency and Military Affairs. Co-PI's John Anhold, Joel McMillin.
- Mulch Flammability for Arizona Homeowner's Landscaping Needs. 2005. \$7,000. University of Arizona. PI Alix Rogstad. Co-PI's Tom DeGomez, Jack Kelly, Jeff Schalaus.
- Seasonal Abundance of Ponderosa Pine Bark Beetles Across an Elevational Gradient in Arizona. 2005. \$65,991. U.S. Forest Service. Co-PI's John Anhold, Joel McMillin.
- Use of Verbenone and Non-host Volatiles to Reduce Engraver Beetle Attack on Ponderosa Pine Slash in Arizona. 2005. \$57,243. U.S. Forest Service. Co-PI's Mike Wagner, John Anhold, Joel McMillin.
- Genetic Tracking of Bark Beetle Populations in Arizona. 2004. \$44,009. Center for Sustainable Environments. PI – Paul Keim, co-PI's Karen Clancy, John Anhold, Joel McMillin, Tom DeGomez.
- Growth Loss of Rocky Mountain White Fir from Western Spruce Budworm Defoliation. 2004. \$12,166. U.S. Forest Service.
- Southwest Ponderosa and Piñon Pine Bark Beetles: Significance of Pheromones. 2004. \$58,340
- Camp Navajo Bark Beetle and Slash Management. 2004. \$24,992. Arizona Department of Emergency and Military Affairs. Co-PI's John Anhold, Joel McMillin.
- Improved Single Tree Protection by Preventing *Phloeosinus* Bark Beetle Colonization of Cypress and Juniper in the Southwest. 2003. \$38,700. U.S. Forest Service. Co-PI's Karen Clancy, John Anhold, Joel McMillin.
- West-wide Single Tree Protection Study. 2003. \$43,000. U.S. Forest Service. Co-PI's Karen Clancy, John Anhold, Joel McMillin.
- Seasonal Abundance of Ponderosa Pine Bark Beetles Across an Elevational Gradient in Arizona. 2003. \$86,000. U.S. Forest Service. Co-PI's Mike Wagner, Joel McMillin
- *Robinia* Genotype Study. 1995. \$2500 from Arizona State Land Department Community Challenge Grant.
- Blueberry Variety Trial. 1993. \$360 worth of plants from Hartmann's Plantation, Michigan.
- Raspberry Variety Trial. 1992. \$100 worth of plants from North Star Nursery, Minnesota.

- Codling Moth Migration Study. 1991. \$295 from Trece Inc., Salinas, CA.
- Obstruction Removal on Lowbush Blueberry Fields. 1990. \$5,900 from Maine Blueberry Commission.
- Blueberry Harvester Trials. 1988. \$5,550 from Maine Blueberry Commission and \$2,453 from Maine Department of Agriculture. PI - Michele Mara, University of Maine, co-PI - Tom DeGomez.

**b. Extension and education**

- Coconino County Community Forestry Initiative. 2005. \$15,000. Coconino County Title III Funds.
- Forest Health Restoration Grant for Coconino County. 2005. \$205,700. U.S. Forest Service
- State Fire Assistance Grant for Thinning Projects for Ecological Restoration in Coconino County. 2004. \$114,000. Arizona State Land Department.
- Rural Fire Department Initiative Grant. 2004. \$12,630. Coconino County.
- State Fire Assistance Grant for Thinning Projects for Ecological Restoration in Williams, Arizona. 2004. \$40,000. Arizona State Land Department.
- State Fire Assistance Grant for Thinning Projects for Ecological Restoration in Coconino County. 2003. \$102,000. Arizona State Land Department.
- Coconino County Community Forestry Initiative. 2003. \$41,000. Coconino County Title III Funds.
- Rural Community Assistance Grant for Williams, Arizona Vicinity Private Landowners Economic Action and Fire Reduction Program. 2002. \$12,628. Kaibab National Forest.
- State Fire Assistance Grant for Thinning Projects for Ecological Restoration in Coconino County. 2001. \$95,000. Arizona State Land Department.
- Community Initiative Grant for Thinning Projects for Ecological Restoration in Coconino County. 2001. \$5000. Coconino County Board of Supervisors.
- Rural Community Assistance Grant for Thinning Projects for Ecological Restoration and Fire Control in the Park's Project Area. \$10,000. Kaibab National Forest.
- Parks/Bellmont/Sherwood Forest Wildfire risk Reduction and Economic Action Program Coordinator Grant. 2001. \$25,650. Region 3 U.S. Forest Service.
- Student Travel Award. 2000. \$1800 from Presidential Committee on Congress Travel Grant, Entomological Society of America.
- Arizona Highlands Horticultural Database with Microclimate Applications. 2000. \$5000 from Arizona Cooperative Extension Program Enhancement Grant. PI - Christopher Jones, co-PI's Robert MacArthur, Paul Brown, Robert Call, Thomas DeGomez, Robin Grumbles, and Jeff Schalau.
- Graduate Research Assistantship. 1998-1999. \$12,750 from Northern Arizona University, School of Forestry.
- Flagstaff Community Tree Board "Beyond the Ponderosa: Successful Landscape Trees for Higher Elevations in the Southwest." 1997. \$1,500 from Arizona Native Plants Society Education Grant. \$8,300 from Arizona State Land Department Community Challenge Grant.

\$1,000 from Arizona Public Service Utility. \$999 from City of Flagstaff Beautification Commission. \$5,000 from Northern Arizona University School of Forestry. \$1,500 from University of Arizona Cooperative Extension. \$1,500 from University of Arizona College of Agriculture Experiment Station.

- Direct Farm Marketing and Tourism. 1994. \$3000 from Arizona Cooperative Extension Program Enhancement Grant. PI - Russell Tronstad, co-PI's - Julie Leones, Robert Call, Tom DeGomez, Doug Dunn, Rick Gibson, Deborah Young.
- Grow Lab Project. 1994. \$51 worth of lights from Verilux, Inc.
- Composting Made Simple. 1991. \$1,400 from City of Flagstaff BBB Beautification Fund.
- Flagstaff Community Garden. 1991. \$2,700 from City of Flagstaff BBB Beautification Fund.
- Master Gardener Phone Line. 1991. \$1,386 from City of Flagstaff BBB Beautification Fund.
- Integrated Crop Management in Lowbush Blueberry. 1990. \$6400 from Maine Blueberry Commission and \$5000 from Maine Department of Agriculture.
- Leaf and Soil Sampling Demonstrations. 1988. \$520 from Maine Blueberry Commission.
- Stabilization of Lowbush Blueberry Fields Demonstration. 1988. \$8,975 from Maine State Soil and Water Conservation Commission.
- The Blueberry Report, Video Tape. 1987. \$1,000 from Maine Department of Agriculture.
- Lowbush Blueberry Growers Guide. 1987. \$8,000 from Maine Blueberry Commission.
- Insect and Disease Identification Fact Sheets. 1986. \$1,907 from Maine Blueberry Commission.

## **2. PASS THROUGH GRANTS**

- Forest Health Restoration Grant for Apache County. 2005. \$211,225. U.S. Forest Service. Passed to Cooperative Extension.
- Forest Health Restoration Grant for Flagstaff, Arizona. 2005. \$99,358. U.S. Forest Service. Passed to Flagstaff Greater Forest Partnership.
- Forest Health Restoration Grant for Navajo County. 2004. \$250,000. U.S. Forest Service. Passed to Navajo County Government.
- Forest Health Restoration Grant for Pinetop-Lakeside, Arizona. 2004. \$400,000. U.S. Forest Service. Passed to City of Pinetop-Lakeside.
- Forest Health Restoration Grant for Show Low, Arizona. 2004. \$350,000. U.S. Forest Service. Passed to City of Show Low.
- Coconino County Community Forestry Initiative. 2004. \$25,000. Coconino County Title III Funds. Passed to NAU Centennial Forest.
- Forest Health Restoration Grant for Coconino County. 2003. \$99,000. U.S. Forest Service. Passed to Coconino Rural Environmental Corps.
- Forest Health Restoration Grant for Flagstaff, Arizona. 2003. \$61,000. U.S. Forest Service. Passed to Flagstaff Fire Department.
- Northern Arizona University Ropes Course. 1993. \$10,000 from Arizona 4-H Youth Foundation.

## **3. GIFTS**

- Arboretum at Flagstaff. 2007. \$30.
- Silver Lynx, LLC. 2006. \$100
- Arboretum at Flagstaff. 2005. \$30.
- Chaparral Pines. 2005. \$500
- Univar Chemical Company. 2004. \$2,840.
- Les Springs Homeowners Assoc. 2004.  
\$150
- Arboretum at Flagstaff. 2004. \$30.
- Native Resources International. 2003. \$300.
- Univar Chemical Company. 2003. \$600
- Creative Sales Inc. 2003. \$600.
- Shepherd & Wietsner Eng. 2003. \$2500.
- Garlands Oak Orchards. 1991. \$175