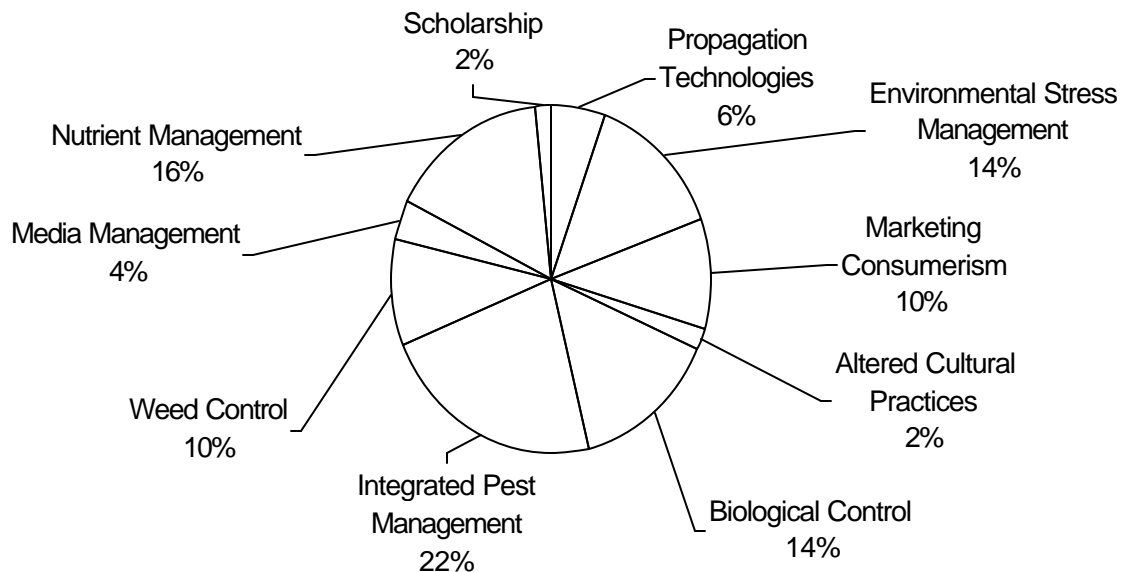




1000 Vermont Avenue, N.W., Suite 300
Washington, DC 20005-4914

HORTICULTURAL RESEARCH INSTITUTE 2003 RESEARCH GRANTS



TOTAL FUNDING \$200,000

Crop Production (20%)

Propagation Technologies (6%)

Auxin Application to Cuttings by Incorporation Into a Stabilized Organic Rooting Medium,
Dr. Jeff L. Sibley and Gene K. Blythe, Auburn University, AL **\$8,000**

Developing the Landscape Potential of Great Lakes Native Plant Species Through Plant Breeding,
Drs. Harold Pellett and Robert E. Schutzki, Landscape Plant Development Center,
Chanhassen, MN and Michigan State University East Lansing, MI **\$3,000**

Environmental Stress Management (14%)

Development of New Landscape Plants for All Regions of North America, Dr. Harold Pellett,
Landscape Plant Development Center, Chanhassen, MN **\$28,000**

Marketing/Consumerism (10%)

The Community Value of Landscapes, Sharon R. Harris, Green Industries of Colorado, Denver, CO **\$11,000**

New England Environmental Horticulture Industry Survey, Dr. Leonard L. Perry, University of Vermont,
Burlington, VT **\$9,500**

Pest Management (48%)

Altered Cultural Practices (2%)

Evaluation of Asiatic Oaks, Elms, Poplars, and Maples for Feeding Preference and Suitability by the Japanese Beetle and Gypsy Moth, Dr. Fredric D. Miller, The Morton Arboretum, Lisle, IL **\$4,000**

Biological Control (14%)

A New Highly White Grub-pathogenic Nematode: Evaluation of Field Efficacy, Dr. Albrecht M. Koppenhofer, Rutgers, The State University of New Jersey, New Brunswick, NJ **\$16,000**

Developing Sterile Forms of Potentially Invasive Nursery Crops, Dr. Thomas G. Ranney, North Carolina State University, Fletcher, NC **\$12,500**

Integrated Pest Management (22%)

Can Lower Doses of Herbicides, Applied More Frequently, Prevent Weed Break-through in Container Nursery Crops, Dr. Joseph C. Neal, North Carolina State University, Raleigh, NC **\$2,000**

Disruption of Oriental Beetle Mating by Pheromones in Commercial Nurseries, Dr. James Lashomb, Blake Hall Cook College, Rutgers University, New Brunswick, NJ **\$14,000**

Plant Pathogen Management in Recycling Irrigation Systems (Final year), Dr. Sharon L. von Broembsen, Oklahoma State University, Stillwater, OK **\$13,000**

Species of Flatheaded Borer Impacting the Ornamental Industry and a Method to Survey for Borer Activity Within Field Nurseries, Drs. Donna Fare, Jason B. Oliver, William Klingeman and Jim Altland, Tennessee State University McMinnville, TN and Oregon State University, Aurora, OR **\$16,000**

Weed Control (10%)

Development of Degree-Day Models for Predicting Weed Germination and Weed Seed Development in Field Nurseries, Dr. James Altland, Oregon State University, Aurora, OR **\$5,000**

Postemergence Oxalis Control in Container-grown Nursery Crops, Drs. Charles H. Gilliam and James Altland, Auburn University, Auburn, AL and Oregon State University, Aurora, OR **\$15,000**

Resource Management (20%)

Media Management (4%)

Amending Container Substrate With Clay, Drs. Ted E. Bilderback and Stuart L. Warren, North Carolina State University, Raleigh, NC **\$7,500**

Nutrient Management (16%)

Nutrient Removal from Nursery Runoff Water Using a Novel Bioremediation System, Dr. Thomas Yeager and P. Chris Wilson, University of Florida, Gainesville, FL **\$12,000**

Water and Nutrient Use-Efficiency in Container-Nursery Production Systems, Dr. John Lea-Cox and David S. Ross, University of Maryland, College Park, MD **\$20,000**

Scholarship (2%)

Timothy S. and Palmer W. "Bill" Bigelow, Jr. Scholarships **\$2,500**

Usrey Family Scholarship **\$1,000**