FNGA Endowed Research Fund Progress Reports
Thomas H. Yeager

1990 project entitled Determining Nitrate Runoff Potential for Nursery Fertilizers. *See file Fertiliz.*

1991 project entitled Determining Minimal Nitrogen and Water Requirements of Ornamental Plants. *Ongoing project, see file Minimal nitrogen.*

1992 project entitled Determining Minimal Nitrogen and Water Requirements of Ornamental Plants. *Ongoing project, see file Minimal nitrogen.*

1994 project entitled Towards Improving the Efficiency of Overhead Irrigation of Container Ornamentals. *See file Riser SNA.*

1994 project entitled Development of Fact Sheet for Implementing Best Management Practices for Container Nursery Irrigation and Fertilization. *Information compiled and printed as SNA BMP Guide. Many copies distributed to nursery industry.*

1995 project entitled Evaluation of Reclaimed Water for Irrigation of Container-grown Woody Plants. *Ongoing project, see 2001 below for details.*

1995 project entitled Minimizing irrigation and fertilizer applications to field grown nursery plants. *See files SNA2000Fieldgrown and SNA2001Ligustrum.*

1996 project entitled A Survey of Overhead Irrigation Water Amounts Applied in Container Nurseries. *Ongoing project, survey report will be given on Nov. 7, 2002 at Green Industries Update in Quincy.*

1996 project entitled Determining Plant Nutrient Uptake Patters for Efficient Use of Nutrients. *Ongoing project, See file Uptake report*

1997 project entitled Reducing Irrigation and Nutrient Loss with Radiant Energy Controlled Irrigation. *Ongoing project that led to funding for evaluation of tensiometers in 1999; however this technology has evolved to time domain reflectivity devices (TDR). Therefore, this funding and funding from the National Foliage Foundation to evaluate TDR, is being used to evaluate TDR devices for controlling irrigation in the nursery.*

1997 project entitled Determining Plant Nutrient Uptake Patterns for Efficient Use of Nutrients. *Ongoing project, see file Uptake report.*

1998 project entitled Utilizing Foliar Fertilization to Minimize Nutrient Loss to Runoff. *Ongoing project, see file Foliar report.*

1999 project entitled Utilizing Foliar Fertilization to Minimize Nutrient Loss to Runoff. *Ongoing project, see file Foliar report.*

1999 project entitled Reducing Irrigation and Nutrient Loss with Tensiometers. *Ongoing project that led to funding for evaluation of tensiometers in 1999; however this technology has evolved to time domain reflectivity devices (TDR). Therefore, this funding and funding from the National Foliage Foundation to evaluate TDR, is being used to evaluateTDR devices for controlling irrigation in the nursery.*

2000 project entitled Understanding Plant Nutrient Uptake will Result in Efficient Use of Fertilizer. *Ongoing project, See file Uptake report.*

2000 project entitled Readily Available Plant Production Information. *See web link listed below.*
http://hort.ifas.ufl.edu/people/yeagernurseopera.htm

2001 project entitled Reclaimed Water for Irrigation of Container-grown Plants. *Ongoing project. The objective of this study (funded in 2001) is to evaluate plant growth response of several ornamentals to non-potable reclaimed water. Container-grown Catharanthus, Salvia, Yaupon holly and `Helleri' holly plants have been grown and irrigated with reclaimed water applied to substrate only or applied to substrate and sprayed on foliage. Quality of reclaimed water has been monitored to correlate irrigation water constituents with any plant damage, reduced growth, or abnormal plant characteristics. However, abnormal plant growth has not been recorded.*

2001 project entitled Evaluating Tree Growth and Water Conservation in Non-traditional Containerized Production Systems. *Project is currently being implemented. Dr. Beeson is principal investigator.*