

Hammond

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7. Title Production Techniques and Cultural Practices for Ornamental Plants in the Landscape Environment			
12. Investigator Name(s) (Last Name and Initials) Bracy, R. P.; Chen, Y.; Owings, A.			
20. Termination Date 06/30/2013		40. Period Covered (mo/da/year): 01/01/2011 TO 12/31/2011	
Outputs: <p>Research results from this project were presented to 20 green industry audiences and approximately 40 consumer horticulture audiences. Information was disseminated through presentations and tours for professional associations, groups, master gardeners, and the gardening public. Emails, Facebook updates, and website postings were also used to distribute information to professional and homegardening stakeholders. Articles were published in Louisiana Agriculture magazine and LSU AgCenter press releases. Participation and organization of professional development programs in the form of field days, workshops, and farm/nursery visits were delivered to county agents.</p>			
Outcomes/Impacts: <p>Studies evaluating effects of greenhouse-production fertilizer rates on landscape performance of coleus indicated that greenhouse growers should use low-medium fertilizer rates to produce a good-quality coleus with a lower and delayed incidence of flowering in the landscape. The largest herbaceous plant trial in a tri-state area is conducted annually in a garden setting at the Hammond Station. Over 800 varieties of annual bedding plants, perennials, shrubs, and trees are evaluated annually in sun and shade gardens. Over 50 tours are conducted throughout year for home gardeners, retail consumers and green industry professionals to view the trials and obtain information on newest and best varieties/species for production in the landscape. Five growers have reported adding or removing plants from their production based on information provided by these trials. Plants promoted through Louisiana Super Plants program increased sales in retail and wholesale operations from 45-1200% over previous year. Wholesale and retail professionals report customers asking for Super Plants by name or as a super plant indicating an awareness of the program and the plants promoted. Nursery businesses continue to sign up as participants in the program.</p>			
Publications: <p>Bracy, R., A. Owings and D. Gill. 2011. Super plants boost Louisiana's economy. Louisiana Agriculture 54(3).</p> <p>Chen, Y., R. Bracy, and A. Owings and J.P. Quebedeaux. 2011. Controlled-release fertilizer type and rate affect landscape establishment of seven herbaceous perennials. HortScience 21:336-342.</p> <p>Chen, Y., R. Bracy, and A. Owings. 2011. Fertilizer regimes during production affect coleus growth and quality in the landscape. Proceedings Southern Nursery Association Research Conference 56:322-327.</p> <p>Chen, Y., R. Bracy, and A. Owings. 2011. Production regimes affect coleus growth and quality in the landscape. Southern Nursery Association Research Conference Proceeding 56:322-324.</p> <p>Chen, Y., R. Bracy, and A. Owings. 2011. Effects of flurprimidol and fertilization on growth regulation of Knockout rose in landscapes. HortScience 46(9): S265.</p> <p>Gill, D., A. Owings and R. Bracy. 2011. Louisiana Super Plant Fall 2010-Amazon Dianthus. Journal of the LA State Horticulture Society 6:3-4.</p> <p>Gill, D., A. Owings and R. Bracy. 2011. Louisiana Super Plant Fall 2010-Camelot Foxglove. Journal of the LA State Horticulture Society 6:12-13.</p> <p>Owings, A., Y. Chen, R. Rosendale, and R. Bracy. 2011. LSU AgCenter Peoples Choice Landscape Award Winners.</p>			

Southern Nursery Association Research Conference Proceeding 56:358-360.

Owings, A., R. Bracy and E. Bush. 2011. Louisiana's nursery and landscape industry needs bark and forest products. Louisiana Agriculture 54(3).

Owings, A., R. Bracy, and D. Gill. 2011. Louisiana Super Plants-A New Marketing and Promotion Program for Ornamental Plants. HortScience. Vol. 46(9): S141-142.

Owings, A., R. Bracy, Y. Chen, R. Rosendale, J. Quebedeaux. 2011. LSU AgCenter Landscape Horticulture People's Choice Awards 2010. Journal of the LA State Horticulture Society. Vol. 6: 25-26. Owings, A., Y. Chen, R. Bracy and R. Rosendale. 2011. LSU AgCenter People's Choice Landscape Award Winners - Spring 2010. Proceedings Southern Nursery Association Research Conference. Vol. 56:358-360.

Participants:

Regina Bracy, (PI), Allen Owings, and Yan Chen, LSU AgCenter.

Target Audiences:

Target audiences for this project include extension and research personnel and commercial ornamental horticulture clientele. Non-professional audiences include home gardeners and Louisiana master gardeners. Green industry potential clientele in Louisiana numbers 56,000. There was also service to extension, commercial, and home gardening persons in Mississippi, Alabama, Arkansas and Texas.

Project Modifications:

Nothing significant to report during this reporting period.

Approved (Signature)	Title	Date
		