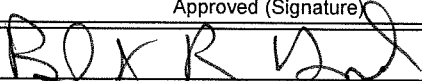


Hammone

U.S. Department of Agriculture Accomplishments Report AD-421 U.S. Dept. of Agriculture, State Agricultural Experiment Stations and Other Institutions			Date (Month, Day, Year) 03/20/2012
1. Accession 0223165	Agency Identification No. 2. SAES 3. LA.B	5. Work Unit/Project No. LAB04054	6. Status Annual Report
7. Title Integrated Water and Nutrient Management Plans for the Landscape Horticulture Industry in Louisiana			
12. Investigator Name(s) (Last Name and Initials) Chen, Y.			
20. Termination Date 06/30/2015		40. Period Covered (mo/da/year): 01/01/2011 TO 12/31/2011	
Outputs: Results from two experiments were presented at several academic and industry meetings.			
Outcomes/Impacts: Coleus production fertilizer and irrigation effects on landscape performance suggest that N rate affects post-transplant growth and quality of coleus in the landscape. Low to medium fertilizer rates produced good-quality coleus that flowered later in the landscape, which is more desirable to consumers. Increasing P rates had no effect on plant growth and quality during production compared with low P rates. Results from an experiment using chicken litter as soil amendment indicated that organic fertilizer applied at soil preparation was only beneficial to the establishment of annual bedding plants (coleus and vinca), but not for perennials (fountain grass, lantana, and rudbeckia). Adding organic fertilizer in addition to Osmocote (14-14-14) did not improve plant growth and quality.			
Publications: 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. Owings, A., Y. Chen, R. Rosendale, and R. Bracy. 2011. LSU AgCenter peoples choice landscape award winners. Southern Nursery Association Research Conference Proceeding. 56:358-360.			
Participants: Yan Chen, (PI), A. Owings, and J. Quebedeaux, LSU AgCenter.			
Target Audiences: Target audiences for this project include nursery and greenhouse growers and landscape service contractors and managers.			
Project Modifications: Nothing significant to report during this reporting period.			
Approved (Signature) 		Title	Date