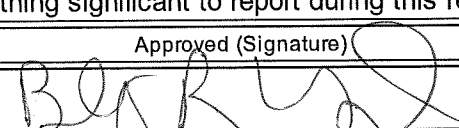


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U.S. Department of Agriculture Accomplishments Report AD-421 U.S. Dept. of Agriculture, State Agricultural Experiment Stations and Other Institutions			Date (Month, Day, Year) 01/17/2013
1. Accession 0206181	Agency Identification No. 2. CSREES 3. LAB	5. Work Unit/Project No. LAB93798	6. Status Final Report
7. Title Evaluation of Selected Fruit Species for Adaptation to Southern Louisiana			
12. Investigator Name(s) (Last Name and Initials) Johnson, C. E.; Hegwood, P.; Sanders, D.			
20. Termination Date 12/31/2012		40. Period Covered (mo/da/year): 01/01/2006 TO 12/31/2012	
Outputs: Results were published on three new fig cultivars for the gulf coast region at a regional and national conferences of the American Society for Horticultural Science. Presentations on recommended cultivars were delivered at regional horticultural forums. Field days also were conducted for producers to introduce new selections and cultivars of figs, pawpaws and blueberries. The current peach cultivar recommendation list was updated for south Louisiana growers. A final output was the construction of a recommendation list for growers of southern highbush blueberries adapted to the gulf coast region.			
Outcomes/Impacts: Windsor and Sante Fe Southern Highbush blueberry cultivars are the earliest maturing of the eighteen lines in this trial. Several peach breeding lines with white flesh and high sugar to acid ratios have been identified for advanced trials and evaluation. Development of late season ripening cultivars was a major objective of the peach breeding program and several selections with cultivar potential have been identified. Peach breeding selections, L96-a5-1, L96-a4-1, L96-a5-51 and L85-a13-54 have been identified for release as named cultivars. The latest maturity selection is L85-13-54 which ripens the second week of August and demonstrates good marketing traits. These selections represent maturity ranges from very early to three weeks later than any currently recommended cultivar. All selections are well colored and with firm flesh to meet local and long distance market criteria. The late-maturing selections have at least fifty percent red overcolor and an average fruit diameter of 7cm. The chilling unit requirement for late varieties is about 500 hours which would allow its area of for adaptation to central Louisiana and similar production areas. Another selection, L96-A4-62, a seedling of the 'Ouachita Gold' cultivar, ripens about the last week of July with large 7 to 8 cm diameter fruit and has very good attributes for local markets.			
Publications: No Publications Reported			
Participants: C.E. Johnson (PI), Hegwood, P., Sanders, D., LSU AgCenter.			
Target Audiences: Target audiences include extension personnel, fruit growers, fruit crop breeders and research horticulturists.			
Project Modifications: Nothing significant to report during this reporting period.			
Approved (Signature) 	Title	Date	



