

Red River

U.S. Department of Agriculture <b>Accomplishments Report AD-421</b> U.S. Dept. of Agriculture, State Agricultural Experiment Stations and Other Institutions			Date (Month, Day, Year) 03/20/2012
1. Accession 0218216	Agency Identification No. 2. SAES 3. LA.B	5. Work Unit/Project No. LAB03982	6. Status Annual Report
7. Title Southernpea/Cowpea Breeding			
12. Investigator Name(s) (Last Name and Initials) Buckley, B.			
20. Termination Date 04/30/2014		40. Period Covered (mo/da/year): 01/01/2011 TO 12/31/2011	
Outputs: A composite report of the Regional Southern Pea Cooperative Trials was edited and distributed to trial cooperators, southern pea breeders, and southern pea industry representatives. The project leader consulted by telephone and e-mail with producers, extension agents, and industry representatives from throughout the southern U.S. regarding southern pea production practices.			
Outcomes/Impacts: Forty-eight pinkeye and 34 cream pea lines were evaluated for fresh-market production in field trials. Eleven pinkeye lines were discarded and 37 lines were advanced for further evaluation. Eight pinkeye lines will be included in replicated yield trials in 2012. Six cream lines were discarded and 28 lines advanced. Ten cream lines will be included in replicated yield trials in 2012. Ten advanced pinkeye lines and 10 advanced cream lines were evaluated for hand-harvested fresh-market yield in replicated trials. Three pinkeye lines and three cream lines yielded greater than other lines and will be entered in the Regional Southern pea Cooperative Trials in 2012. Two advanced southern pea lines were tested as replicated entries and four advanced lines as observational entries in the 2011 Regional Southern pea Cooperative Trials. Two observational entries will be advanced as replicated entries in 2012. Development of fresh-market pinkeye and cream cultivars with a bush plant-type will provide producers with plants that can be harvested more efficiently than vining plant-type cultivars. Fifty-three F2 cowpea populations were derived from F1 progeny of crosses made for wildlife forage attributes. Development of additional cowpea cultivars for wildlife forage will provide producers alternatives to the cultivar Iron Clay.			
Publications: Buckley, B. (ed.). 2011. Composite Report of the regional southernpea cooperative trials-2010. LSU AgCenter. 22 pp.			
Participants: Blair Buckley (PI); and Russell Anderson, LSU AgCenter.			
Target Audiences: Target audiences include southern pea breeders and researchers, fresh-market southern pea producers, southern pea processors, southern pea/cowpea seedsmen, and wildlife forage growers.			
Project Modifications: Nothing significant to report during this reporting period.			
Approved (Signature)		Title	Date
			