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1. Accession	2. Agency Identification No.		5. Work Unit/Project No.		6. Status
0213464	2. SAES 3. LA.B		LAB03893		Final Report
7. Title					
Development of Sweet Potato Weed Control Programs for Northeast Louisiana					
12. Investigator Name(s) (Last Name and Initials)					
Miller, D. K.					
20. Termination Date 12/31/2012			40. Period Covered (mo/da/year): 01/01/2008 TO 12/31/2012		
Outputs: Outputs were presented at sweet potato producer meetings around the Northeast and Central portions of the state, field days at the Sweet Potato Research Station, sweet potato industry meetings, and professional society meetings including the Southern Weed Science Society and National Sweet Potato Collaborators meeting. Results were utilized in state weed control recommendation guidelines and AgCenter production information sheets. Data were also published in proceedings (Southern Weed Science Society and National Collaborators) and refereed journal abstracts (Journal of Horticultural Science).					
Outcomes/Impacts: Delayed application of the herbicide, s-metolachlor, can be utilized to offset the potential crop injury observed following extreme rainfall events and still retain weed control efficacy. Evaluations of non-labeled herbicides (linuron, fomesafen, and pyroxasulfone) indicated that these materials can provide excellent weed control and minimal crop phytotoxicity. These data have been recommended for inclusion in the IR-4 program for possible future labeling. Results will provide producers critical information for managing weeds in current production systems and also possibly expand herbicide options in the future.					
Publications: Miller, D. K., T. P. Smith, and M. S. Mathews. 2012. Evaluation of crop tolerance and weed control with fomesafen in Louisiana sweet potato. Proc. South. Weed Sci. Soc. 65:176.					
Participants: D.K. Miller (PI), LSU AgCenter.					
Target Audiences: Sweet potato producers, consultants, and ag industry personnel.					
Project Modifications: Nothing significant to report during this reporting period.					
Approved (Signature)		Title		Date	
					

