



Environmental Horticulture Program Research Project Sheet

<https://www.ir4project.org/ehc/ehc-registration-support-research/env-hort-extension-resources/>

Project Name: Leaf Cutter Ant Efficacy in Loblolly Pine Plantations

New	<input checked="" type="checkbox"/>	Ongoing	<input type="checkbox"/>	Completed	<input type="checkbox"/>	Duration if ongoing or completed:	
------------	-------------------------------------	----------------	--------------------------	------------------	--------------------------	--	--

Project Description:

In Louisiana, Arkansas and east Texas, loblolly pine seedlings and young trees can be defoliated, killed or marred by the Texas leaf cutting ant (*Atta texana*) with an annual cost of more than \$5,000,000 annually for management and economic loss. Plantation managers are currently relying on methyl bromide and PRM (fipronil) bait, but alternative management strategies and products are needed.

Research Project Abstract (if available):

n/a

Target Species (Phytotoxicity, or common and Latin name of arthropod, pathogen, weed):

Texas leaf cutting ant (*Atta texana*)

Target Crops (list tested crops if ongoing or completed project)

Pinus taeda

Target Product(s)(list tested products or numbered compounds if ongoing or completed project)

ProFume (sulfuryl fluoride)
 Potentials: Spinosad, noviflumuron, other material suitable for ant management

Product Registration and Research Status

	Fully Screened (also includes standards)	Partially Screened through IR-4 ¹	Need Data Across Species ?
Labeled Generally & Commercialized			
Labeled Generally But NOT Commercialized			
Labeled for Specific Diseases & Commercialized			
Labeled for Specific Diseases but NOT Commercialized			
Not yet registered or Labeled			
No longer available for development			

* IR-4 Data contributed to registration decision – either adding pest to label or not pursuing further research
 1 At least one species screened fully



Environmental Horticulture Program Research Project Sheet

<https://www.ir4project.org/ehc/ehc-registration-support-research/env-hort-extension-resources/>

PROS	CONS
Leafcutter ants cause significant damage and economic loss to lobolly pine plantations	ProFume may need outside fumigant company to apply, for research and commercially.