



Environmental Horticulture Program Research Project Sheet

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

Project Name: Canker Efficacy: Vascular Streak Dieback

New	Ongoing	X	Completed	Duration if ongoing or completed:	2023
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Project Description:
 Vascular streak dieback is a new disease affecting nurseries in the southern and north eastern regions. It infects maples, redbuds, serviceberry, sweet shrub, catalpa, hawthorn, fothergilla, witch hazel, tulip poplar and other native and introduced woody perennials. Symptoms include leaf scorch, branch dieback, and vascular discoloration, symptoms of other diseases impacting the vascular system or roots.

Research Project Abstract (if available):
 n/a

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

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

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

Aveylo	Postiva	SP2700
BW161N	SP2478	Tril 21
MBI 121		

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 pathogen to label or not pursuing further research
 1 At least one species screened fully

Pros	Cons
New disease impacting dozens of woody herbaceous perennials; prospective causal agent causes similar disease in cacao	Disease cycle not completed because fungus is difficult to maintain in culture
Multiple products registered for rhizoctonia may be options	Exact infection pathway not fully known
Growers losing crops with this disease	
Low level infections in nurseries potentially moving disease into landscaped	

Scope of Project: