



Ornamental Horticulture Program Research Project Sheet

<http://ir4.rutgers.edu/Ornamental/ornamentalProjectInformationSheets.cfm>

Project Name: Sawfly Efficacy

New	Ongoing	Completed	X	Duration if ongoing or completed:	2013
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Project Description:
Efficacy for rose slug sawfly became a regional priority for 2013. One experiment was conducted and data received.

Research Project Abstract (if available):

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

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)
TBD

Product Registration and Research Status			
	Fully Screened (also includes standards)	Partially Screened through IR-4 ¹	Need Data Across Species ?
Labeled Generally & Commercialized	Sevin	Xxpire 40WG	
Labeled Generally But NOT Commercialized			
Labeled for Specific Insects & Commercialized			
Labeled for Specific Insects but NOT Commercialized			
Not yet registered or Labeled		Kontos Mainspring Safari 20SG	
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			

Project Pros	Project Cons
1 Very few products are currently registered for sawfly adult or larvae management	1
2	

IR-4 Efficacy Trials to Date

Average rating on a scale of 1 – 5 with 1 = 0 to about 50% efficacy and 5 = 100 efficacy or equivalent to non-inoculated control; minimum to maximum rating; number of trials. For product/insect combinations that are blank, IR-4 has not screened this combination.

A rating of 2 or lower is considered unacceptable efficacy (*red text*). A rating of 3 or higher is considered commercially acceptable and those with more than 3 trials are complete (*green text*). 'Labeled' indicates that IR-4 generated data in at least one trial and that this insect species or genera is listed on the label. For insect/product combinations that are blank, IR-4 has not screened this combination.

Product (Active Ingredients)	Rose Slug Sawfly (<i>Endelomyia aethiops</i>)
Kontos (BYI 8330 240SC) (Spirotetramat)	1.0 (1 - 1) n2
Mainspring (A20520A) 200SC (Cyantraniliprole)	3.0 (3 - 3) n1
Safari 20SG (Dinotefuran)	1.0 (1 - 1) n1
Sevin 10G (Carbaryl)	4.0 (4 - 4) n1 Labeled
Xpire (GF-2860) 40WG (Spinetoram + sulfoxaflor)	3.0 (3 - 3) n1 Labeled