

2024/2025 IR-4 Environmental Horticulture Survey

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Thank you for your participation in this survey.

The IR-4 Project's Environmental Horticulture Program helps provide safe and effective pest management solutions for greenhouse, nursery, landscape, Christmas tree and forestry producers. Every other year, we prioritize the next two-year research plan at our Environmental Horticulture Workshop. We invite you to help us focus our research by answering a few questions about the diseases, insects, and weeds which impact your business.

1. Please check one affiliation: □ Grower (Greenhouse and/or Nursery) □ Landscape Care Professional □ Interiorscaper □ University or USDA-ARS Researcher □ Cooperative Extension □ Federal, State, or Local Government □ Allied Industry Member			2. Please check all types of operations and pest management strategies relevant to your business: Greenhouse Biological Control Chemical Control Nursery - Container Drusery - Field-grown Greenhouse Standard Control Organic Greenhouse Standard Weekly/Monthly Program Standard Weekly/Monthly Program Standard Weekly/Monthly Program Spray Program based on Thresholds Garden Garden Center											
3. Please check all plant mate ☐ Bedding Plants ☐ Cut Flowers ☐ Christmas Trees ☐ Foliage Plants		Her Orr Pal	rbaceous Perennials namental Grasses					Tr	nrub ees irf	S				
4. Consider the plant					Type of Plant Materials									
materials you grow or maintain.						S		als	asses		_			
Then consider situations over the last year where you had <i>difficulty managing</i> diseases, pests, or weeds.				Bedding Plants	Cut Flowers	Christmas Trees	Foliage Plants	Herba. Perennials	Ornamental Grasses	Palms	Seasonal Potted	Shrubs	Trees	Turf
For all three areas, list the	Diseases (includ with few to no a		bacteria, fungi, nematoo	les)										
top three situations where your product arsenal was limited.	1		lable tools											
Be as specific as possible; for example, "Japanese			s with few to no available			Ш	Ш			Ш	П		Ш	Ш
beetle on rose" or "Rhizoctonia wilt on impatiens seedlings".	2													
Then put a ' $$ ' or 'X' for each type of plant material where this issue occurs in your operation.	1 2		no available tools											



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5. Think about the crops you grow. Which three crops 1.	s need more crop safety (phytotoxicity) information? 3								
6. Please comment about other needs not covered about									
7. Please check one of the following:									
☐ I need crop safety (phytotoxicity) data more than of	efficacy data								
$\ \square$ I need efficacy data more than crop safety data									
☐ I need crop safety data and efficacy data equally									
8. Protecting beneficial organisms including pollinate methods below that you currently use:	ors is a key crop production strategy. Please check all								
☐ Apply crop protection tools when beneficial orga	nisms are not present.								
\square Grow crops without pollinator attractive flowers.									
☐ Apply only biopesticides.									
☐ Scout for pest and disease hot spots and apply to	only those areas.								
☐ Apply best tool possible for crop situation knowing	ng that some beneficial organisms may be harmed.								
☐ Apply foliar tools when they offer greater safety	than systemic tools.								
☐ Grow flowering plants in greenhouses.									
☐ Apply biorational tools.									
\square Use products without pollinator toxicity.									
☐ Apply the optimal rate to manage pests or disease	es without harming pollinators and other beneficial organisms.								
☐ Apply systemic tools when they offer greater safe	ety than foliar tools.								
☐ Other									
9. Please enter the state where you work:									
10. What is today's date?									
(Optional) Please fill out your name and address below:									
Name:	Please mail completed survey to:								
Affiliation:	_ IR-4 Project								
Address: NC State University 1730 Varsity Drive									
City State Zip	Venture IV, Suite 210								
Phone Number	Raleigh, NC 27606								
Email Address:	_								