



ENVIRONMENTAL HORTICULTURE WORKSHOP

October 7-8, 2025

Final Priorities from the 2025 IR-4 Environmental Horticulture Workshop

During the [2025 EH Workshop](#), we listened to presentations on new active ingredients and expansions of current products and then discussed potential projects for weed science, plant pathology and entomology. During the meeting, attendees determined regional and national priorities through a consensus-based process. The following priorities will be the focus of the next biennial research cycle, 2026-2027:

NATIONAL PRIORITIES FOR 2026-2027

Weed Science

- Hydrangea (not macrophylla) pre-emergent herbicide crop safety
- Herbicide-resistant weed control in Christmas tree production; early post-emergent, semi-directed
- Cut flower pre-emergent (transplant)
- Perennial weed (thistle, bindweeds, nutsedges) control in cut peony

Plant Pathology

- Phytophthium Efficacy
- Phytophthora Efficacy
- Botrytis Efficacy

Entomology

- Thrips (parvispinus, chili and western flower) Efficacy
- Red-headed flea beetle (1st / 2nd instar larvae) efficacy—container nursery
- Root aphid efficacy

REGIONAL PRIORITIES FOR 2026-2027

Northeast Region

- Balsam gall midge efficacy on Christmas trees
- Bacterial leaf spot efficacy

North Central Region

- Powdery mildew (outdoors) efficacy
- Lewis mite efficacy

Western Region

- Symphylans efficacy
- Armored scale efficacy—woody ornamentals

Southern Region

- Two-spotted cotton leafhopper (cotton jassid) efficacy
- Herbicides in container, fruit-bearing plant (pre-sale to retail) crop safety

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