

Integrated Pest Management Strategic Plan for Oregon's Ornamental Nurseries



Oregon State University
Oregon IPM Center

Chris Hedstrom & Isaac Sandlin,
chris.hedstrom@oregonstate.edu
see the full report in 2022:
oipmc.oregonstate.edu

What's an IPM Strategic Plan?

For each industry, an IPM Strategic Plan document is created in collaboration with a representative group of **farmers, researchers, extension agents, crop consultants, regulators, and other relevant stakeholders.**

The plans consist of:

- Top-priority critical needs for **research, education, and regulation**
- Crop production overview & IPM management overview
- Major crop pests by crop stage, and descriptions of each pest
- IPM activities by crop stage
- Emerging and invasive pests of concern

Top-priority critical needs for IPM



Education: beneficial insect implementation; relationship between clean plants, scouting, sprays and beneficials; and IPM strategies for invasive pests and diseases.

Research: Management for thrips, bacterial blights and boxwood blight; and effect of climate change on pest and pathogen pressure in the Western USA.



Regulation: Clarification of label restrictions; clarify rules on shipping and quarantine; and simplify finding existing rules, restrictions and guidelines.

Oregon nurseries are utilizing IPM



scouting & monitoring

record keeping

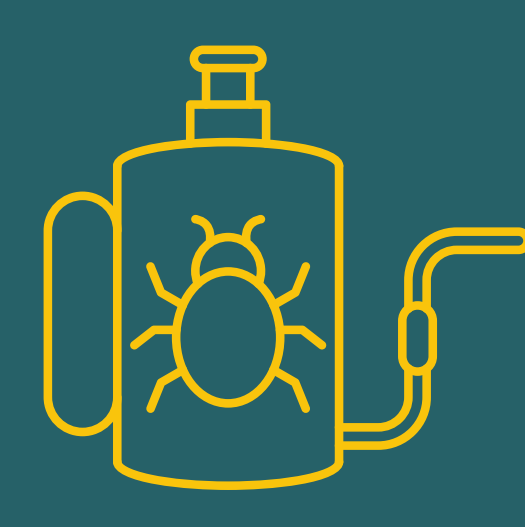
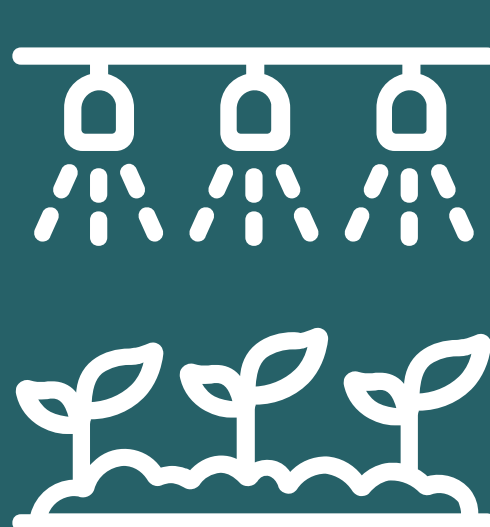


clean plant stock



releasing natural enemies

environmental controls



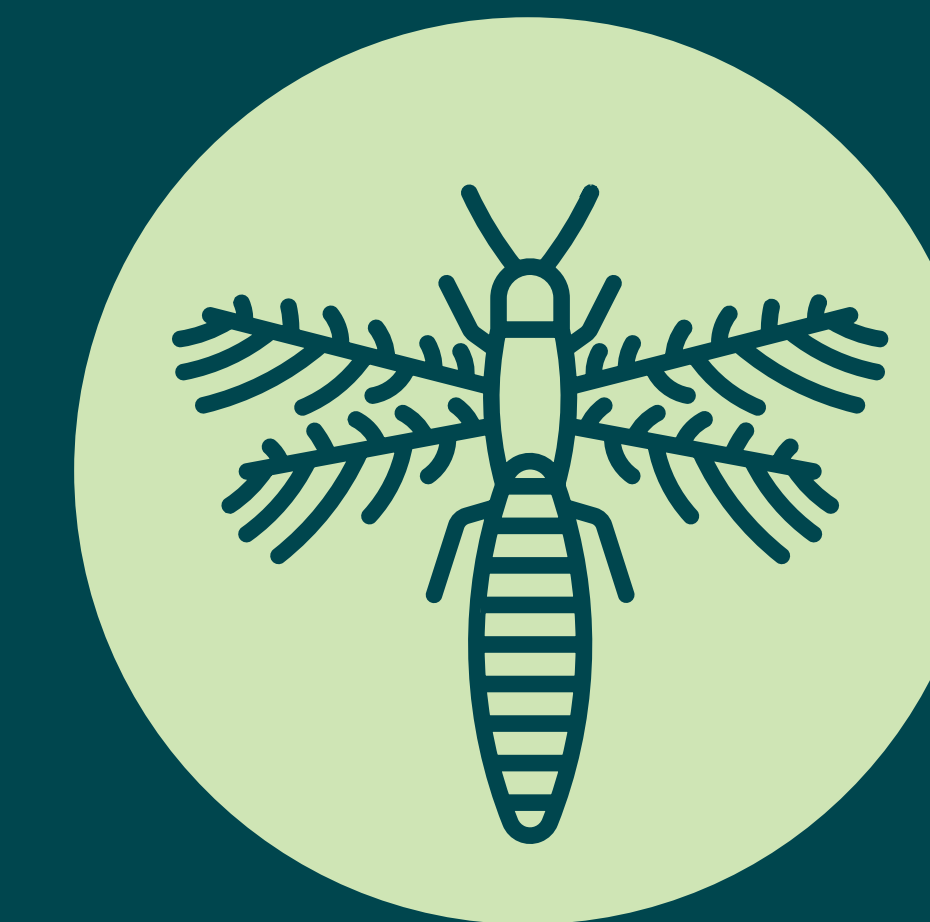
targeted sprays

exclusion practices



non-crop habitat

Key pests in Oregon nurseries

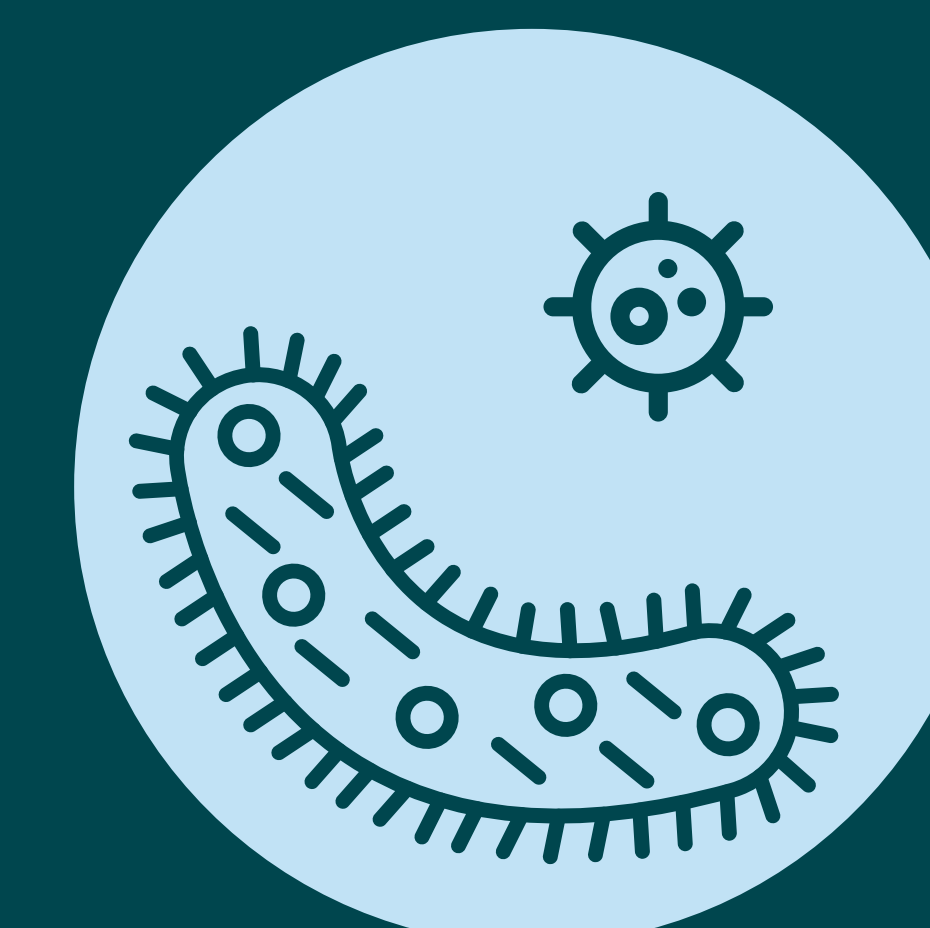


Invertebrates

Western flower thrips
Aphids
Spider mites
Black vine weevil
Lygus bug

Weeds

Lambsquarter
Common groundsel
Amaranth
Shepherd's purse
Hairy bittercress
Creeping Woodsorrel



Pathogens

Anthraxnose
Boxwood Blight
Root & Crown Rots
Leaf spots
Wilts

...and many more

“...I realized that we were overspraying the abamectin and, while it was getting good control of thrips, it was killing a lot of beneficials. I reduced those sprays and opted for alternatives. In a year's time we saw population explosions of beneficials like we'd never seen before.”

- Nico Ardans, Peoria Gardens

2021 Project Contributors



Annual sales of nursery products in Oregon topped \$1.18 Billion in 2020



Top nursery products in Oregon



woody landscape perennials

shade & fruit trees



annuals, including bedding plants



bulbs, corms, rhizomes & tubers

cut flowers



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