MARSH BOTANICAL GARDEN

**Mission Statement**
Marsh Botanical Gardens supports the research and teaching of Yale faculty and students and provides enjoyable and educational botanical experiences for the general public.

**Connection to Sustainability**
MBG is committed to environmentally-responsible stewardship of our living plant collections, with particular emphasis on sustainable, non-toxic methods for pest and disease management.

**A Holistic Approach**
Controlling plant pests and diseases in our research and teaching greenhouse collections is a year-round challenge. Our Integrated Pest Management (IPM) program embraces a holistic approach that considers plant health, environmental conditions, aggressive monitoring and non-toxic alternatives to conventional pesticides.

**Pesticide Alternatives**
Our toolbox of pesticide starts with deployments of natural enemies to manage our glasshouse ecosystems. Insect-killing nematodes, predatory mites and beetles, and parasitic wasps help keep pest populations in check before they cause damage. Biological fungicides do the same for plant diseases.

**Biorational Products**
We also use biorational pesticides that target bad bugs without killing the good. These are low- or non-toxic products (mineral oil is one). Our weekly pest-scouting program monitors pest populations and drives decision-making.

**Department Details**
Marsh Botanical Gardens sits on eight acres at the north end of Science Hill. A historically significant landscape originally designed by pioneering landscape architect Beatrix Farrand, the garden supports year-round plant collections and projects for scientific research and instruction.