

VOLUNTEER FACILITATOR TRAINING WORKSHOP

This is an in-depth training course designed for people who want to fully understand the hemlock problem, learn the actual process for treating the trees, and then be of service within the community. *Note that the Hemlock Help Clinic is a prerequisite for this course.*

The Facilitator program is similar to the Master Gardener program in that it provides a great deal of good information and practical skills that should be useful to individual property owners to save their own trees **AND** prepares volunteers to find their personal stewardship niche using their knowledge and skills in some aspect of the 20+ educational and charitable service initiatives offered through Save Georgia's Hemlocks.

CONTENT – This class includes complete how-to instruction covering the trees, the insects, assessing infestations, cultural practices, chemical treatments, biological controls, cost considerations, personal and environmental safety. It also prepares volunteers to advise and assist other property owners, work with the U. S. Forest Service and Georgia DNR to save trees on our public lands, participate in special hemlock initiatives such as replanting hemlocks along trout streams, raising hemlock saplings, and more.

An outline is on the next page.

COST – This training is free for anyone who has joined or renewed their Save Georgia's Hemlocks membership since last December. For individuals who are not yet members or who need to renew their membership, we do ask for a tax-deductible \$20 membership donation to help support the work of SGH.

REGISTRATION – **Registration is required.** Email kimberlyraewood@gmail.com or call 706-455-2313. Please indicate the date and location of the class you're registering for and include your phone number and email address.

WHAT TO BRING –

* **Something to take notes with.** We recycle the training guides but will give you a DVD containing the complete guide, a scripted version of the training presentation, and lots more useful materials at the end of class.

* **Your personal calendar.** Each person completing the course is asked to sign up to help with at least one educational or service event during the year.

* **A sack lunch.** We will eat lunch in the classroom around noon. We'll also provide bottled water and some additional snacks.

* **Your membership donation** (cash or check) if you have not joined Save Georgia's Hemlocks or renewed your membership since last December. You can take care of this at the beginning of class, and we'll mail you a thank-you / tax receipt letter afterwards.

WHAT TO WEAR – Part of the class will be outdoors for a demo of the treatment techniques and some hands-on practice so please dress for the weather, including long-sleeved shirt, long pants, and sturdy footwear with socks.

Professional CEUs are available. Please bring your pesticide applicator's license if you wish to apply for credits.



Outline of Facilitator Training Workshop

SECTION I: INTRODUCTION

Problem Statement
The Stakes
Hemlock Help Program
Role of Facilitators

SECTION II: HEMLOCKS

Description – Eastern hemlock
Description – Carolina hemlock
Hemlock Structure
Value of Hemlocks

SECTION III: HEMLOCK WOOLLY ADELGID

History and Distribution
Hosts
Identification
Impact of HWA on Hemlocks
Adelgid Lifecycle

SECTION IV: CULTURAL CONTROLS

General Approach and Recommendations
Care of Landscape Ornamentals
Forest Management Practices
Removing Untreated Trees
Water Needs of Trees
Advantages of Cultural Controls
Disadvantages of Cultural Controls

SECTION V: CHEMICAL CONTROLS

General Approach and Recommendations
Overview of Chemical Treatment Process
Choosing the Trees to Treat
Determining the Level of Infestation
Systemic or Non-Systemic Material
How Systemic Treatment Works
Imidacloprid or Dinotefuran
Product Choices
Timing of Treatment
Choosing an Application Method
Generally Not Recommended
Summary of Treatment Decisions
Determining Diameter at Breast Height (DBH)
How to Do Soil Injection with Imidacloprid
How to Do Soil Drench with Imidacloprid
Helpful Hints for Soil Application
How to Do Trunk Spray with Safari 20 SG
How to Do Foliar Spray
Expectations Following Treatment
Special Notes about Chemical Controls
Advantages of Chemical Controls
Disadvantages of Chemical Controls

SECTION VI: BIOLOGICAL CONTROLS

The Challenge
The Hope
Hemlock Conservation Areas
Other Research Efforts
Information for Property Owners

SECTION VII: WORKING WITH PROPERTY OWNERS

About Property Owners
Your Message
Overview of a Facilitator Visit
The Flow

SECTION VIII: ADDITIONAL FACILITATOR INFORMATION

Knowledge of Treatment Materials and Safety
Parts and Usage of Kioritz Soil Injector
Product Use and Storage
Rough Estimate of Product Amount & Cost
Reliable Estimate of Product Amount & Cost
Understanding Professional Standards
Understanding Average Professional Rates
Dealing with Pest Control Failure
Record Keeping for Volunteer Facilitators
Important SGH Web Pages
Thank You and A Reminder

APPENDIX A: INTRODUCTORY MATERIALS

Press Release July 1, 2009
Hemlock Clinic Announcement July 8, 2009
SGH Hemlock Help Program Description
SGH Brochure – Hemlock Help for Property Owners
SGH Brochure Insert – Information for Property Owners
SGH Hemlock FAQs
SGH Hemlock Facts & Fiction
SGH Rack Card
Web Site Map

APPENDIX B: TREATMENT INSTRUCTIONS

SGH Introduction to Treating Hemlocks
SGH Applying Imidacloprid 75 WSP (1.6 oz) by Kioritz Soil Injector
SGH Applying Imidacloprid 75 WSP (1.6 oz) by Soil Drench
SGH Imidacloprid Quick Reference Sheet
SGH Applying Safari 20 SG by Kioritz Soil Injector
SGH Applying Safari 20 SG by Basal Trunk Spray
SGH Safari 20 SG Quick Reference Sheet
Testing & Adjusting Kioritz Soil Injector Calibration

APPENDIX C: CHEMICAL PUBLICATIONS (SAMPLES)

Product Label for Imidacloprid (Bayer's Merit 75 WSP)
Material Safety Data Sheet for Imidacloprid (Bayer's Merit 75 WSP)

APPENDIX D: OTHER EDUCATIONAL & INSTRUCTIONAL MATERIALS

Caring for Your Hemlock Sapling
Caring for Your Hemlock Seedling
Chemicals – Contacts – Sources
Instructions for Planting or Transplanting a Hemlock
Neighborhood Hemlock Project Planning Guide

APPENDIX E: FACILITATOR MATERIALS

Facilitator Job Description
Lead Area Facilitator Job Description
Checklist – Educational Event
Checklist – Facilitator Visit
Checklist – Volunteer Project
Chemical Calculator
Maintaining a Kioritz Soil Injector
Quarterly Activity Log
Rosellinia Needle Blight
Spruce Spider Mites
Elongate Hemlock Scale

HANDS-ON DEMONSTRATION & PRACTICE

Soil Injection, Soil Drench, and Trunk Spray
Care and Use of Kioritz Soil Injector

SIGN-UP FOR VOLUNTEER ACTIVITIES & INTERESTS