

Combined Hemlock Help Clinic & Facilitator Training Workshop

This is an in-depth 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 content of the prerequisite Hemlock Help Clinic, which is sometimes presented as a separate class, has been merged into this combined Facilitator Training Workshop.

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 – Starting with an overview of what's killing the hemlocks, what can be done to save them, and why it's so important to do so, this class provides 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 hemlock restoration along trout streams, rescue and raise hemlock saplings, and more.

An outline for the training begins on the next page; handouts and an instructional DVD will be provided during class.

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. Since we may have several classes scheduled at the same time, please be sure to **indicate the date and location** of the class you're registering for and **provide both 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 will be 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.



Outline of Hemlock Help Clinic

- A. The role and importance of hemlocks
 - Aesthetic value
 - Ecological value to wildlife and plants
 - Environmental value
 - Economic value to the community
 - Personal value to individuals and families
- B. The invasive insect that's killing them and how it does so
- C. How to recognize the problem and assess the level of infestation
- D. What property owners can do to save their own trees
 - Cultural controls to maintain the health of the trees
 - Chemical treatment to kill the pests
 - Personal and environmental safety
 - Cost of do-it-yourself approach or professional service
- E. The consequences of not taking timely action
- F. How property owners, volunteers, and organizations can help others in their community save hemlocks on private and public land
- G. FREE help available through the SGH Hemlock Help Line, the SGH web site, and our SGH Facilitators

OUTLINE OF FACILITATOR TRAINING WORKSHOP

I: INTRODUCTION

Problem Statement
The Stakes
Hemlock Help Program
Role of Facilitators

II: HEMLOCKS

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

III: HEMLOCK WOOLLY ADELGID

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

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

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
How to Do Soil Application with Imidacloprid Tablets
Helpful Hints for Soil Application
How to do Foliar Spray with Imidacloprid
How to Do Trunk Spray with Safari 20 SG
Special Notes
Advantages of Chemical Controls
Disadvantages of Chemical Controls

VI: BIOLOGICAL CONTROLS

The Challenge
The Hope
Hemlock Conservation Areas
Other Research Efforts
Information for Property Owners
Advantages of Biological Controls
Disadvantages of Biological Controls

VII: WORKING WITH PROPERTY OWNERS

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

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 Treatment Failure
Record Keeping for Volunteer Facilitators
Important SGH Web Site Pages
Thank You and a Reminder

APPENDIX A: INTRODUCTORY MATERIALS

APPENDIX B: TREATMENT INSTRUCTIONS

APPENDIX C: SAMPLE CHEMICAL PUBLICATIONS

APPENDIX D: OTHER EDUCATIONAL & INSTRUCTIONAL MATERIALS

APPENDIX E: FACILITATOR MATERIALS

HANDS-ON DEMONSTRATION & PRACTICE

Soil Injection, Soil Drench, Soil Application w/Tablets,
Trunk Spray
Care & Use of Soil Injector

SIGN-UP FOR VOLUNTEER ACTIVITIES & INTERESTS