

Combined Hemlock Help Clinic & Facilitator Training Workshop

On-Line Class Description & Outline

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 as volunteers within the community. 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. A course outline is below.

COST – There is no fee for the training itself, but we do want all of our Facilitators to be official members of Save Georgia's Hemlocks. So for anyone who is not yet a member or has not renewed their SGH membership since last December, we would greatly appreciate your making a tax-deductible \$20 membership donation to help support the work of SGH.

REGISTRATION IS REQUIRED – To register and receive your sign-in instructions, please call 706-429-8010 or email donna@savegeorgiashemlocks.org **no later than noon on Friday before the Saturday class** and provide both your phone number and email address.

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. How volunteers and organizations can help others in their community to save hemlocks on our public land
- F. The consequences of not taking timely action
- G. FREE help available through the SGH Hemlock Help Line, the SGH web site, and our SGH Facilitators



OUTLINE OF FACILITATOR TRAINING WORKSHOP – ON-LINE CLASS

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 & Distribution
Hosts
Identification
Impact of HWA on Hemlocks
Adelgid Lifecycle
Why Adelgid Lifecycle Matters
How Cold is Cold Enough to Kill Adelgids?

SECTION IV: CULTURAL PRACTICES

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

SECTION V: CHEMICAL TREATMENTS

General Approach & Recommendations
Overview of Chemical Treatments
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 Options
Determining Diameter at Breast Height
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
Expectations Following Treatment
Special Notes
Advantages of Chemical Treatments
Disadvantages of Chemical Treatments

SECTION 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

SECTION VII: WORKING WITH PROPERTY OWNERS

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

SECTION VIII: ADDITIONAL FACILITATOR INFORMATION

Knowledge of Treatment Materials & Safety
Parts & Usage of Kioritz Soil Injector
Product Use & 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 Pages
Thank-You & 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

SIGN-UP FOR VOLUNTEER INTERESTS & ACTIVITIES

HANDS-ON DEMONSTRATION & PRACTICE

Will be scheduled separately.