

Educational Event Checklist

Materials to be provided by SGH (unless provided by project sponsors)

Brief Presentation

Map & directions Cell phone & phone numbers Permanent markers & name tags for presenter & participants 2 SGH signs, mallet & short rebar Interest sign-up sheet on clipboard, pen Business cards & donation jar Camera (optional)	Projector with clicker Screen Laptop Presentation on laptop & flash drive Folding table & booster for projector Extension cord, multi-plug, duct tape Injector & empty product packaging for show & tell	One 6' folding table & table cloth 3 freestanding pull-up displays Handouts – rack cards, Hemlock Help for Property Owners brochures, membership forms 3-part rack for literature
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Education Station at school or other kids' event w / Seedling Potting

Map & directions Cell phone & phone numbers Permanent markers & name tags for self & helpers 2 SGH signs Insect repellent, sun screen if outdoors Camera (optional)	Seedlings in buckets of water Potting & seedling cup instructions Newspaper, cans, masking tape, pens, plastic baggies Box(es) of premixed soil & trowels Soil Moist Gallons of premixed water solution	Two 6' folding tables & tarps 3 freestanding pull-up displays Handouts – rack cards, Hemlock Help for Property Owners brochures, planting/care instructions 3-part rack for literature Hand sanitizer & clean-up towels Trash bag
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Hemlock Help Clinic

Map & directions Cell phone & phone numbers Permanent markers & name tags for presenter & participants 2 SGH signs, mallet & short rebar Interest sign-up sheet on clipboard, pen Business cards & donation jar 1 potted sapling for demo/decoration Coffee & refreshments (optional) Camera (optional)	Projector with clicker Screen Laptop Presentation on laptop & flash drive Folding table & booster for projector Extension cord, multi-plug, duct tape Injector, mixing jug w/orange tape, sprayer, long rebar & empty product packaging for show & tell	One 6' folding table & table cloth 3 freestanding pull-up displays Handouts – rack cards, Hemlock Help for Property Owners brochures, membership forms Multi-part racks for literature Laminated photos of HWA, spider mites & Rosellinia needle blight
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Facilitator Training Workshop

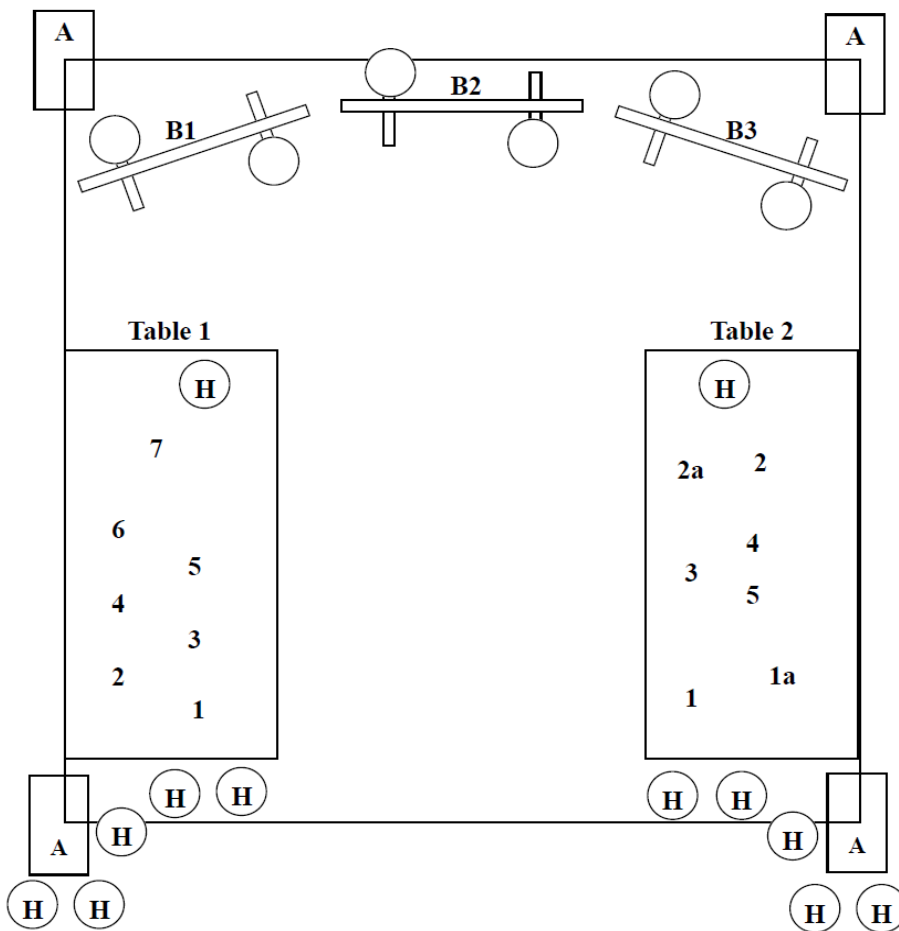
<i>Same as for Clinic PLUS:</i> Complete work kit Extra diameter tapes Bottled H ₂ O & refreshments (optional)	<i>Same as for Clinic PLUS:</i> Clean jug w/green tape Small measuring cup for calibration Safari measuring cup HWA-infested branch in baggie and Rosellinia-infected branch in baggie if available Laminated photos of elongate hemlock scale & normal needle drop Additional handouts: Introduction to Treating Hemlocks, Hemlock FAQs, Neighborhood Hemlock Help Planning Guide	<i>Same as for Clinic PLUS:</i> Master training guide Training guides to recycle Packets for front pocket of Guide – liability form, agenda, Hemlock Facts and Fiction, Chemicals-Contacts-Sources, laminated mixing/dosing card, laminated Photo Card/Facilitator Visit Checklist, Facilitator Engagement Sign-up Sheet (2 copies per person) DVD to take home
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Information Booth for fairs & festivals

Map & directions Cell phone & phone numbers Permanent markers & name tags for self & helpers Interest sign-up sheet on clipboard, pen Extra pens Donations jar with starter change Business cards & holder Bottled H ₂ O & snacks for self & helpers (optional) Camera (optional) 2 cleaning cloths Bale of wheat straw if rainy	12+ potted saplings for adoption with care instructions attached 1 gallon of watering mix 24 grocery bags for adopted saplings Injector, sprayer, chemical jug, long rebar Empty product packaging including Safari measuring cup HWA-infested branch in baggie and <i>Rosellinia</i> -infested branch in baggie if available Hammer, cord, scissors, duct tape Folding chairs for self & helpers	10'x10' tent w/sides* 4 cinder blocks & bungees to anchor tent* Long SGH banner, metal braces & zip ties* or short banner w/tape 2 folding tables, table cloths, clips 3 tall displays, cord to tie them to tent frame, presentation guide 6 concrete buckets for tall displays* Laminated photos of HWA, stages of infestation, spider mites, normal needle drop, <i>Rosellinia</i> needle blight, elongate hemlock scale Other materials (see below)
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*Use these if outdoors



- A = cinder blocks anchoring tent
- B1 = "Hemlocks are essential" display + 2 concrete buckets
- B2 = "Hemlocks are dying" display + 2 concrete buckets
- B3 = "Hemlocks can be saved" display + 2 concrete buckets
- H = potted hemlock saplings with planting & care instructions attached to stake
- Note: Zip tie soil injector to one of the front tent posts so it stays secure but you can do show & tell.

Table 1	Suggested Arrangement of Materials	Table 2
1 Laminated photo of HWA on branch 2 Laminated photo of Stages of Infestation 3 Laminated photo of <i>Rosellinia</i> Needle Blight 4 Laminated photo of Spider Mites 5 Laminated photo of Elongate Hemlock Scale 6 Laminated photo of normal needle shed 7 Empty Imid 2F/2L jug, Imid 75 WSP envelopes, Safari jug & special measuring cup	1 5x7 holder: SGH brochure, rack cards, membership forms 1a. Optional: baggies of HWA & <i>Rosellinia</i> if available 2 8.5x11 holder: Hemlock Facts & Fiction, Quick Reference Sheet for Imidacloprid & Safari, Chemicals-Contacts-Sources 2a. Optional: another 8.5 x 11 holder with Intro to Treating Hemlocks, Hemlock FAQs, Neighborhood Planning Guide 3 Interest Sign-Up clipboard & pens 4 Business cards in holder 5 Donations jar w/starter change	

Script to Present 3 Freestanding Displays

(Target: 10 minutes)

Display sequence:

- Hemlocks Are **Dying**
- Hemlocks Are **Essential** to Georgia's Forest
- Hemlocks Can Be **Saved**

Save Georgia's Hemlocks (Dying)	<ul style="list-style-type: none"> • 100% volunteer non-profit organization of • concerned citizens dedicated to saving endangered hemlocks thru education & charitable service thru efforts/initiatives to
3 critical messages (Dying)	<ul style="list-style-type: none"> • Hemlocks are in trouble & will die if not treated • You can save your hemlocks • SGH can help you save your hemlocks
The problem (Dying) (Stages card)	<ul style="list-style-type: none"> • an invasive insect called a hemlock woolly adelgid which was imported from Asia into Virginia in 1951 • infestation has now spread north to Maine & south to Georgia • Multiplies fast and produces-2 generations a year-1/300/90,000 yr 1/8.1 billion yr 2 • Impacts & kills Eastern (aka Canadian) & Carolina hemlocks in 3 to 6 years. • Levels of infestation
The adelgid or HWA (Dying)	<ul style="list-style-type: none"> • Hitchhiker • and the infestation spreads 15-25 miles per year. • Infestation first found in GA in Rabun County in 2003 • It has now been confirmed in 17 counties in north Georgia and has spread west to the Alabama state line.
Symptoms (Dying)	<ul style="list-style-type: none"> • white woolly egg sacs • gray-green foliage • lack of new growth • premature needle drop and thinning • limb die back
Why should we care? Hemlocks are essential (Essential)	<ul style="list-style-type: none"> • environmental • habitat for plants and animals are dependent • economic
best current control measures (Saved)	<ul style="list-style-type: none"> • systemic chemical & biological approach • most trees: imidacloprid: slow acting, long residual life in tree (inoculation) for 5 to 6 years, low cost, now generic • large and/or heavily infested: dinotefuran: faster acting, shorter residual life of 1 to 2 years, higher cost • biological approach is dependent upon development of predator beetles currently in research. • Available only for public lands
How systemic chemicals work	<ul style="list-style-type: none"> • inject chemical into soil • tree absorbs thru it roots and translocates it upward via xylem cells • when ingested insect dies • active for up to six years

Application methods (Saved)	<ul style="list-style-type: none"> • soil drench • soil injection • trunk spray
Cost is reasonable , as a comparison of saving vs. losing hemlocks let's use a	<ul style="list-style-type: none"> • 16" diameter hemlock as our example • To save the tree: \$0.64 via DIY with Imidacloprid OR \$25.60 via professional with Dinotefuran • To lose the tree: \$300 to \$1500 for tree removal plus possible loss of as much as 10% of value of land
Informed Decision	<ul style="list-style-type: none"> • DIY (hemlock facilitator training) or Licensed Professional • Equipment • Chemical
How to do Soil Injection (Saved)	<ul style="list-style-type: none"> • Injector
SGH Hemlock Help Program	<ul style="list-style-type: none"> • Active in 12 north GA counties and expanding • Public clinics • Facilitator training • Hemlock Help Line for consultation and advice • Web site w/ research and practical "how to" information • Provide 1 on 1 advice, referrals to professionals, equipment, chemicals, practical info • Hands-on help • No charge for any of our services
You can help save the hemlock species	<ul style="list-style-type: none"> • spread the word to increase awareness, ie, they will die, you can save them, & help is available • Request a program for your civic club, property owner association (Rotary, garden clubs, etc.) • Help as a volunteer at festivals • help with public lands hemlock treatment projects as well as private lands projects for non-profits such as (Foxfire, Camp Rainey Mountain, other camps) • Consider financially supporting SGH thru membership, donations and/or grants. They are our only sources of funding.
We literally hold the future in our hands (Dying) (Essential)	<ul style="list-style-type: none"> • has expanded your awareness • Do you want this or this? • You decide
Thank you (Fact card)	<ul style="list-style-type: none"> • Available to answer questions and have information available which includes our web site address and Hemlock Help Line number. (Fact Card & membership apps)

Resource only

Imidacloprid	Four-pack of powder- ~\$35.00	91"-272" avg 181"	\$0.13 - \$0.39 per inch DIY \$0.50 - \$4.00 per inch PRO
	Gallon of liquid--\$75.00	604"-1,812" avg 1,208"	\$0.04 - \$0.12 per inch DIY \$0.50 - \$4.00 per inch PRO
Dinotefuran	3-lb jug of soluble granules ~\$399.00	113"-453" avg 283"	\$.88 - \$2.93 per inch DIY \$1.60 - \$9.00 per inch PRO