

Checklist & Budget - Hemlock Sapling Planting

This document lists the equipment, supplies, and budget for general sapling planting projects **not** related to hemlock field insectaries or hemlock restoration on trout streams. All materials – general, consumable, and non-consumable – are to be provided by the project leaders/sponsors, except that volunteers may bring their own tools and work gloves if they wish.

Volunteers are responsible for their own personal protective equipment, including long pants, long sleeved shirt, sturdy footwear with socks, and jacket or rain gear as needed. Project sponsors/leaders are responsible for verifying PPE.

<p>General: Permission from property owner/manager Map, directions, gate code (if any) Cell phone, volunteer list & phone #s Volunteer sign-in/ liability waiver forms on clipboard with pen, special form for minors Permanent markers & name tags for volunteers Bathroom tissue & folding trowel Snacks & bottled water for volunteers Insect repellent, sun screen</p>	<p>Folding table for sign-in & supplies SGH directional signs & SGH at Work signs Mallet & spike for signs First aid kit & manual Emergency phone #s & locations Sapling care instructions for property owner/ manager who will be maintaining the trees Rack cards for passers-by Hand sanitizer, towels, trash bags Camera (optional)</p>
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Consumable Supplies	Unit	Unit Cost	Comment
Saplings - rescued	tree	\$17.00	Trees 12-15 ft apart
Soil amendments:			
- top soil	bag	\$2.00	1 bag = 2 cu. ft. = 6 trees
- compost	bag	\$4.00	1 bag = 2 cu. ft. = 6 trees
- Mr. Natural Woodland Soil Mix	bag	\$11.00	1 bag = 2 cu. ft. = 6 trees
- Mr. Natural Worm Castings	bag	\$9.00	1 bag = 2 cu. ft. = 6 trees
Soil additives:			
- Ironite	bag	\$13.00	1 bag = 5 lbs = 96 trees, 1 tblsp per tree
- Espoma Holly Tone	bag	\$11.00	1 bag = 5 lbs = 96 trees, 1 tblsp per tree
Soil Moist	packet	\$11.00	1 pkt = 8 ounces = 12 trees, 3/4 oz per tree
Initial watering:			
- MiracleGro Quick Start	bottle	\$10.00	1 bottle = 32 ounces = 12 trees, 1 capful per tree
- Imidacloprid 75 WSP	four-pack	\$40.00	1 pkt = 24 trees @ 1" dbh, 2 oz mixture per tree when mixed with 48 oz water
Ongoing watering:			
- 150' Hose	hose	\$36.00	1 per site
- Hose reel box	1box	\$40.00	1 per site
- Nozzle	nozzle	\$5.00	1 per site
- Rebar 18"	piece	\$2.00	To stabilize hose reel box
Mulch - shredded hardwood or cypress	bag	\$4.00	1 bag = 2 cu. ft. = 2 trees
Miscellaneous			refreshments, bamboo stakes, velcro tape, baggies for additives, duct tape to mark tools



<p>Non-consumable Equipment & Supplies: Planting instructions for volunteers Permanent markers & 1 flag per tree to mark planting sites Shovel & 1 large container for every 10 trees to mix soil amendments & additives 1 shovel & 1 mattock per planting team Markers to label tools 1 bucket for every 10 trees to transport soil mix to trees 1 pair of garden gloves per volunteer</p>	<p>1 nail puller or other tool for every 10 trees to rough up root balls 1 gallon of fresh water per tree for initial watering mix 1 jug for every 10 trees to mix Imid w/ warm water Small measuring cup for mixed Imid Measuring spoons for fertilizer, ironite, Soil Moist 1 covered cup per tree for Soil Moist Hand pruners, scissors</p>
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