

Checklist & Budget - Hemlock Restoration on Trout Stream

This document lists the equipment, supplies, and budget for a project to plant/restore hemlocks on a trout stream, assuming 20 volunteers to plant 60 saplings. 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 must verify 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 Name tags & permanent markers 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 insectary Rack cards for passers-by Hand sanitizer, 12 towels, 2 large trash bags Camera (optional)</p>
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Consumable Supplies	Quantity	Unit Cost	Extended Cost	Comment
Saplings - rescued	60 trees	\$0.00	\$0.00	Trees 12-15 ft apart
Soil amendments:				
- top soil	10 bags	\$2.00	\$20.00	1 bag = 2 cu. ft. = 6 trees
- compost	10 bags	\$4.00	\$40.00	1 bag = 2 cu. ft. = 6 trees
- Mr. Natural Woodland Soil Mix	10 bags	\$11.00	\$110.00	1 bag = 2 cu. ft. = 6 trees
- Mr. Natural Worm Castings	10 bags	\$9.00	\$90.00	1 bag = 2 cu. ft. = 6 trees
Soil additives:				
- Ironite	5/8 bag	\$13.00	\$8.25	1 bag = 5 lbs = 96 trees, 1 tblsp/tree
- Espoma Holly Tone	5/8 bag	\$11.00	\$7.00	1 bag = 5 lbs = 96 trees, 1 tblsp/tree
Soil Moist	5 packets	\$11.00	\$55.00	1 pkt = 8 ounces = 12 trees, 3/4 oz/tree
Initial watering:				
- MiracleGro Quick Start	5 bottles	\$10.00	\$50.00	1 bottle = 32 ounces = 12 trees, 1 capful/tree
- Imidacloprid 75 WSP	3/4 four-pack	\$40.00	\$30.00	1 pkt = 24 trees @ 1" dbh, 2 oz mixture per tree when mixed w/48 oz water
Mulch - shredded hardwood or cypress	30 bags	\$4.00	\$120.00	1 bag = 2 cu. ft. = 2 trees
Miscellaneous			\$69.75	refreshments, 60 bamboo stakes, velcro tape, 60 baggies for additives, duct tape
Total Cost			\$600.00	



<p>Non-consumable Equipment & Supplies: Planting instructions for volunteers Permanent markers & 60 flags to mark planting sites Shovel & 6 large containers for mixing soil amendments & additives 6 shovels & 6 mattocks Markers to label tools 6 buckets for transporting soil mix to trees</p>	<p>20 pairs of garden gloves 6 nail pullers or other tools for roughing root balls 60 gallons of fresh water for initial watering mix 1 jug for mixing Imid w/48 oz warm water Small measuring cup for mixed Imid Measuring spoons for fertilizer, ironite, Soil Moist 24 covered cups for Soil Moist Hand pruners, scissors</p>
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