

Checklist & Budget - Hemlock Field Insectary

This document lists the equipment, supplies, and budget for a project to plant a hemlock field insectary, assuming 12 volunteers to plant 24 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, 1 trash bag Camera (optional)</p>
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Consumable Supplies	Quantity	Unit Cost	Extended Cost	Comment
Saplings	24 trees	\$17.00	\$408.00	Trees 12-15 ft apart
Soil amendments:				
- top soil	4 bags	\$2.00	\$8.00	1 bag = 2 cu. ft. = 6 trees
- compost	4 bags	\$4.00	\$16.00	1 bag = 2 cu. ft. = 6 trees
- Mr. Natural Woodland Soil Mix	4 bags	\$11.00	\$44.00	1 bag = 2 cu. ft. = 6 trees
- Mr. Natural Worm Castings	4 bags	\$9.00	\$36.00	1 bag = 2 cu. ft. = 6 trees
Soil additives:				
- Ironite	¼ bag	\$13.00	\$3.50	1 bag = 5 lbs = 96 trees, 1 tblsp/tree
- Espoma Holly Tone	¼ bag	\$11.00	\$2.75	1 bag = 5 lbs = 96 trees, 1 tblsp/tree
Soil Moist	2 packets	\$11.00	\$22.00	1 pkt = 8 ounces = 12 trees, 3/4 oz/tree
Initial watering:				
- MiracleGro Quick Start	2 bottles	\$10.00	\$20.00	1 bottle = 32 ounces = 12 trees, 1 capful/tree
- Imidacloprid 75 WSP	¼ four-pack	\$40.00	\$10.00	1 pkt = 24 trees @ 1" dbh, 2 oz mixture per tree when mixed w/48 oz water
Ongoing watering:				
- 150' Hose	1	\$36.00	\$36.00	1 per site
- Hose reel box	1	\$40.00	\$40.00	1 per site
- Nozzle	1	\$5.00	\$5.00	1 per site
- Rebar 18"	4 pieces	\$2.00	\$8.00	To stabilize hose reel box
Mulch - shredded hardwood or cypress	12 bags	\$4.00	\$48.00	1 bag = 2 cu. ft. = 2 trees
Miscellaneous			\$45.00	refreshments, 24 bamboo stakes, velcro tape, 24 baggies for additives, duct tape to mark tools
Total Cost			\$800.00	



<p>Non-consumable Equipment & Supplies: Planting instructions for volunteers Permanent markers & 24 flags to mark planting sites Shovel & 3 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>12 pairs of garden gloves 6 nail pullers or other tools for roughing root balls 24 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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