

# Checklist – Hemlock Treatment Project

This document lists the equipment and supplies needed for hemlock treatment projects on non-government, USFS, and DNR land. The materials are to be provided by the project sponsors/leaders.

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

<p><b>General:</b>          Permission from property owner/manager          Map, directions, gate code (if any)          Cell phone, volunteer list &amp; phone #s          Volunteer sign-in/ liability waiver forms on clipboard with pen, special form for minors          Name tags &amp; permanent markers          Safety vests for team leaders          Tarp/plastic sheeting for mixing site          Bow saw, limb pruner, folding saw          Bathroom tissue &amp; folding trowel          Injector spare parts &amp; tools          Large light-colored towel          Snacks &amp; bottled water for volunteers          Insect repellent, sun screen          SGH directional signs &amp; SGH at Work signs          Mallet &amp; spike for signs          First aid kit &amp; manual, rescue rope          Emergency phone #s &amp; locations          Camera (optional)</p>	<p><b>1 work bag per team:</b>          Work apron w/pockets          Laminated mixing/dosing card          Laminated infestation photos card          Diameter tape &amp; calculator          Notepad, extra pen, 2 permanent markers          Clipboard w/ pen, hemlock treatment log sheets, site map          Nitrile gloves - 3 pr per person          Special Safari measuring cup          Small measuring cup for calibration testing          Funnel &amp; 4 paint filters          Small hammer &amp; nail puller in baggie          Scissors, spike, flagging tape          Spray paint for marking treated trees, also insect repellent          Dust masks or respirator if spraying          1 cloth bag to carry extra chemical          Baggie for used funnel, filters, gloves          Trash bag          Hand sanitizer &amp; 3 towels          Injector strap &amp; carabiner clip</p>
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<p><b>Other equipment &amp; supplies per team:</b>          Soil injector, rebar, or sprayer          Chemicals with labeling          Gallons of warm water for mixing          1 clean &amp; 2 chemical mixing jugs          Small rake (optional)          Rack cards for passers-by</p> <p><b>Other materials that may be needed:</b>          Waders or tall waterproof boots          100' rope for stream crossing or rescue          Extra empty jugs for leftover mixed chemical          Walkie-talkies &amp; extra batteries (our or USFS)</p>	<p><b>Items provided by USFS for their projects:</b>          Soil injectors or sprayers, chemicals          Tree data sheets &amp; site maps          Prenumbered metal tags &amp; aluminum nails          Caution signs &amp; push pins          Hard hats          Hazard Analysis form on clipboard          Emergency spill kit &amp; instructions</p> <p><b>Items provided by DNR for their projects:</b>          Soil injectors or sprayers, chemicals          Tree data sheets &amp; site maps          Prenumbered metal tags &amp; aluminum nails          Caution signs &amp; push pins          GPS units (optional)</p>
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Since the USFS and DNR provide the chemicals, nails and tags for their projects, the **budget** for those projects is generally \$30 or less for consumable items such as snacks & bottled water, nitrile gloves, masks, paint filters, etc. For non-government treatment project, the cost of the chemicals is borne by the property owner/manager except for SGH charitable projects. (See Chemical Calculator.)

