

July 2019

Washington State Department of Health WNV Mosquito Surveillance

Trap Components and Equipment Checklist

Here are the trap components and other equipment you'll need to get started:

- Insulated one-gallon dry ice buckets and lids that include handles and chains, or something to hang it from a tree branch.
- The motorized portion of the trap (3D cell batteries are required) and plastic battery shields.
- A catch bag for each trap.
- Point of contact and information sign attached to each trap
- Hammer
- Gloves
- Nail or tool to poke the holes of the dry ice bucket freely space for air movement (a twig can also be used for this)
- Cooler to carry dry ice
- Dry ice (approximately 4lbs of dry ice per trap)
- Binder clips
- Paper towels
- Mosquito trapping forms
- Clip board
- Insect repellent

The EVS trap consists of three sections:

1. Bait bucket (insulated dry ice bucket and lid with carrying handle and chains.)
 - Insulated dry ice bucket and lid. The walls and lid are insulated with holes in the bottom for the CO₂ gas to escape. Carrying handle and chains
2. The trap mechanical and electrical components (trap battery holder, fan motor, and battery shield). Trap holder and fan motor with 3 D Cell batteries mounted on unit. Mosquitoes attracted to the CO₂ gas are drawn in and downward from the airflow created by the fan. (Opening at the top of the holder and the fan blade). Also has a plastic battery shield.
 - Show on/off switch
3. Catch bag (catch bag and binder clip)
 - One fine mesh catch bag. Elastic cord keeps catch bag attached to the middle section's trap collar.

Additional equipment

- Cooler for dry ice
- Dry ice
- Gloves
- Hammer
- Eye protection
- Point of contact and information sign (this should be attached to either the bait bucket or section with motor).