

SYNERGY'S

MultiFunnel Trap Lures



Proper placement of a full size UHR on a MultiFunnel Trap



Hang lures on the outside of the trap

In sunlight, air currents move up the bole of a tree. It is presumed that the same phenomenon will occur with MultiFunnel traps. We recommend hanging all lures on the **outside** of the trap approximately $\frac{1}{4}$ of the way up from the collection cup. Hanging lures on the inside of the trap provides obstructions to insects falling into the collection cup and is a potential means of insect escape. This problem is most acute with large UHR lures. The central channel of the trap is also the most protected area of the trap and the least likely place for air currents to be able to carry the semiochemical plume away from the trap. There has been little systematic study of lure placement within MultiFunnel traps but we have had anecdotal reports from users indicating trap catches are higher when lures are placed on the outside of the trap. When lures are hung outside the trap they are much easier to deploy and service.

Hang all lure components together

Dr. John Byers, working with Western Pine Beetle lure components, has shown that trap catches are reduced the further lure components are separated (J.Chem.Ecol. 13:2143-2157, 1987). Byers also states that with increased separation of lure components, the likelihood of confusion effects increases. Intuitively a compact semiochemical plume can be perceived at a greater distance than a diffuse plume. With multi-component lures it is assumed that all components must be perceived simultaneously for the maximum synergistic effect. For these reasons, we recommend multi-component lures have all components released from the same position within the trap.

Store unused lures in the freezer

Store unused, unopened lure packages at the lowest temperature possible. Do not store lures in a freezer or fridge with food products! Opened lure packages must be stored in a vapor tight container, for example a glass mason jar with tight-fitting lid. Many plastics are permeable to semiochemicals and polyethylene bags cannot be used to store lures without contamination of the storage area. Handle lures using rubber gloves to prevent contamination of skin. Any semiochemical contact with skin should be washed with soap and water.

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