

2010 SUNFLOWER INSECT TRAPPING GUIDELINES

TO: Sunflower Trap Cooperators
FROM: Jan Knodel
DATE: May 2010

Thank you for agreeing to monitor the sunflower moth and banded sunflower moth in sunflower. Some general guidelines to ensure that your traps perform their best are listed below.

Insect Pest	Trapping Period	Pheromone Lure Duration	Trap Design	Trap Placement
Sunflower moth All States	June to end of August (southern states) Mid-June to end of August (northern states)	3 weeks	Sticky wing trap	Edge, near or 5m in field
Banded sunflower moth FOR ND, SD, MN, Manitoba, WA	Mid-June to end of August (northern states)	3 weeks	Sticky wing trap	Edge, near or 5 m in field
<i>Cochylis arthuri</i> FOR ND, SD, MN, Manitoba	Mid-June to end of August (northern states)	3 weeks	Sticky wing trap	Edge, near or 5 m in field

Pheromone lures: Lures should be stored in the freezer to prevent any chemical decomposition due to heat. When transferring lures from the freezer to the field, do not store them in a truck or car for even short periods of time. Vehicles can heat up quickly during the summer, which will make the lure useless. Use a cooler with an ice pack when transferring lures to the field. **When working with two or more lures from different insect species, please use disposable rubber gloves for each species.** Cross contamination from two different lures can result in ineffective lures as well. Please handle them separately and NOT with your bare hands.

Pheromone traps: Traps should be placed in or near field edge. If monitoring for both insects, please space traps at >40 m intervals apart to avoid lure interference. The sticky bottoms should be **changed weekly** or more frequently if time permits. **Counts should be conducted weekly.**

Pest Identification: Please see attached insect factsheets. If you are uncertain about identification of insects, please mail your trap bottoms to Jan for counts. For the wing sticky traps, please fold in half so two sides are not touching and tape or staple the ends together.

Reporting: Reports should be made at least weekly but more often is fine since we will attempt to update the maps as we get report. **We will also need the GPS coordinates in "decimal degrees" for mapping. Please enter GPS West as a negative. Please email to Tina Mittelsteadt of NSA office the trap data as you collect it – TinaM@sunflowernsa.com**

This information will be included in the Weekly Pest Alerts and Sunflower magazine/newsletters, as well as NDSU Extension Entomology and NSA websites. Please let me know if you need additional supplies. HAPPY TRAPPING!

Jan Telephone: 701-231-7915, email: janet.knodel@ndsu.edu