

# BAIT BUCKET TRAPS



Bucket traps consist of a 2 gallon, white, plastic bucket with eight (8) 1 and ½ inch diameter holes cut around the top. This allows the bait to “breathe” and insects to enter. Pressed against the inside of the bucket is an 8 inch embroidery hoop strung with fiberglass screen material. The hoop and screen prevent insects from falling into the bait. A 6 inch by 6 inch sticky card is placed on top of the screen to trap insects that enter. The hanger is made of a 5 ft tall, ½ inch steel pipe and a 7 inch clothes line hook with screw threads and nuts to fasten the hook to the top.

Once you have all the trap parts, now you’re ready for the bait. First place 1.0-1.5 liters of one type of bait into the bucket and assemble the rest of the trap.

Port Wine: Cheap Port Wine  
1:4 dilution (25% solution)

Vinegar: Vinegar (5% acetic acid)  
1:10 dilution (0.5% solution)

Terpinyl acetate and brown sugar:  
4lb brown sugar  
10 ml terpinyl acetate  
5 gallons of water

Baits and sticky cards should be replaced every 4-5 weeks depending on conditions.



|                     |                  |                               |  |
|---------------------|------------------|-------------------------------|--|
| Buckets and Lids    | \$3.50/trap      | Home Depot                    |  |
| Hangers             | \$2.50/trap      | Home Depot                    |  |
| Embroidery Hoops    | \$1.20/trap      | JoAnn Fabrics                 | <a href="http://www.joann.com">www.joann.com</a> |
| Sticky Cards        | \$0.86/trap      | ISCA Technologies             | 951-686-5008                                     |
| Cost per trap -     | \$8 - \$9        | Does NOT include bait         |  |
| Terpinyl acetate:   | \$29 / 100ml     | Sigma-Aldrich, Inc.           | 800-325-5008                                     |
| C&H Brown Sugar     | \$21 / 25 lb bag | Costco and other supermarkets |  |
| Fairbanks Port Wine | \$9 / 1.5 liters | Costco and other supermarkets |  |
| Four Monks Vinegar  | \$4 / 2 gallons  | Costco and other supermarkets |  |

# ULTRAVIOLET (UV) LIGHT TRAPS

UV light traps are highly attractive to many flying insects and can attract insects from long distances. As such, these traps can provide a great deal of information about the diversity of insect life in the nursery. Some of the most common insect found in these traps include moths, beetles, and some wasps.

UV light traps can operate on 12 volt battery power or 120 volt AC power. In field trials the battery operated UV lights required more frequent light tube replacement and overall maintenance. These traps can also be quite costly. A typical setup (image at right) will cost in the range of \$325 - \$405. The replacement bulbs alone are \$22.

Bioquip Products

Rancho Dominguez, Ca 90220

Phone number: 310-667-8800



# SYNTHETIC PHEROMONE TRAPS



Inserts replaced every 4-5 weeks  
Lures replaced every 4-8 weeks  
- Depending on weather conditions

Pheromone traps come in many forms but all incorporate some type of sticky insert and pheromone lure. Lures are small rubber septa loaded with synthetic chemicals that mimic the female sex-pheromone, with the intended purpose of attracting males to the trap.

They are effective tools for monitoring insect pests in nurseries and crops.

The company Alpha Scents sells complete trap kits (no lure) for \$1 to \$2 and LBAM lures for \$1.20 to \$2.75 depending on quantity ordered.

Traps, lures and accessories are commercially available through these and other retailers:

Alpha Scents

Great Lakes IPM

ISCA Technologies

Contech Enterprises

Portland, OR 97068

Vestaburg, MI 48891

Riverside, CA 92517

Grand Rapids, MI 49504

971-998-8248

800-235-0285

951-686-5008

800-767-8658