

MONITORING GUIDE

DOMES TRAPS, OMNI TRAPS & MINI TRAPS FOR USE WITH A LIQUID BAIT

GENERAL INFORMATION

The **Dome Trap** is one of the most effective monitoring traps for fruitflies, wasps and certain other flying insects. Made of moulded plastic, the trap is durable and can be used repeatedly.

Designed on the McPhail Trap (which has been used by researchers for many years), the **DomeTrap** is constructed of two parts, a clear upper dome and a separate yellow base, which acts as a reservoir for liquid attractant.

The yellow base contains a funnel-shaped entrance, which enables the insect to fly up into the trap. Once inside the trap, the insect is attracted by the light coming through the clear top and continues to try and escape upwards. The exhausted insect drops down into the liquid attractant in the base and drowns. The means of attracting the insect into the trap is critical and relies on a well tried and tested liquid bait.

The liquid bait was first introduced by Cooper Mill Ltd. into the Canadian market in the late 1980's and underwent a number of trials for houseflies, wasps and fruitflies using a clear Dome Trap. The attraction of all of these insects was good, however, when the clear base of the trap was replaced with a yellow base, there was a 10% increase in the fruitfly captures. Various shades of yellow colour were compared and the most effective was selected.

The bait is a very pure fruit extract that has been buffered to maintain a correct pH, with an approved food preservative. In addition, the bait contains the pheromone Z-9 Tricosene to which the fruitflies respond. The reservoir of the trap should always contain about 3cm depth of liquid bait.

Within 48hrs of filling, the trap will be catching fruitflies. As more and more insects become caught in the trap, the trap becomes increasingly attractive to additional insects.

If the traps are in a very warm location or direct sunlight, the evaporation rate of the bait will increase, so the reservoir should be checked and topped up from time to time. Under some conditions, a rapid evaporation rate will cause the bait to become gel-like, in this situation the bait may be diluted 50% with water.

TRAP PLACEMENT

The purpose of the **Dome Trap** is to monitor a situation where fruitflies can occur. In most instances the increased catch will indicate inadequate sanitation, and the remedy might well be simple. In other cases, it may be discovered that drains and spillage areas require treatment to knock down the population and the appropriate chemical treatment can be applied if the infestation continues after improved sanitation. In the meantime the continued use of traps will monitor any worsening or improvement of the situation.

Traps should be hung in areas of potential food spillage. The hanging height of the trap is not critical but should be placed where they can easily be inspected and do not impede operational activities.

Dome Trap



Product No.2050212

Omni Trap



Product No.2050215

Mini Trap



Product No.2050212

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The **Dome Trap**, the **Omni Trap** and the **Mini Trap** are all effective traps for fruitflies when used with the specially-formulated liquid bait, and are particularly useful in bars and taverns where drink spillage is common, as well as many other locations such as vegetable & fruit produce areas, kitchens, wineries, breweries and composting areas. Each trap can be re-used for many years and does not present any hazard to consumers or those working in the treated areas.

The **Dome Trap** is designed purely as a hanging trap, whereas the **Omni Traps** can be used either as a hanging trap or a standing trap (the small feet moulded into the trap will lift it high enough to allow insects to enter beneath). The **Mini Trap** is generally used on shelves or underneath counters and can be opened or closed as required.

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