Refilling

Refilling of CERA TRAP® doesn't have to be a complicated and time expensive operation. It can be achieved quickly and easily without manually removing traps from trees. Simply with a slight modification to a standard spray wand / hand Lance and refilling becomes a breeze. Below is an illustration of the 2 fittings required after the standard nozzle is removed from the wand end.

In this case a 10 mm socket adaptor and 8 mm outside diameter elbow fitting were purchased from an irrigation supplies shop and fitted onto the wand. Whether it's a knapsack being used or an atv mounted spray rig or even a larger spray tractor scenario, CERA TRAP® refill liquid can flow smoothly through pumps and valves for fast trap refilling.

How

The elbow nozzle on the end of the wand is placed inside one of the four 9mm holes in the lid of CERA TRAP®. Care must be taken not to spill the liquid onto the outside of the trap. Refilling Cera Trap with 600ml takes only 5 seconds with a standard knapsack.

BIOIBERICA
Bringing ideas to life

BIOIBERICA is a Spanish company that specialises in contributing biological solutions to agricultural problems.

Our chief assets are biomolecules extracted using our exclusive enzymatic hydrolysis method. We continue to do research into specific new attractants for the control of the main agricultural pests.

CERA TRAP® is the first in a new range of specific second-generation attractants.

Manufactured by:
Bioiberica, S.A.
Plaza Francesc Macià 7 08029 Barcelona, Spain
www.bioiberica.com • www.ceratrap.com

BARMAC
a division of
Amgrow Australia Pty Ltd

BARMAC (a division of Amgrow Australia Pty Ltd)
ABN 22 069 900 456
82 Christensen Rd, Stapylton, QLD, 4207
Ph: (07) 3802 5050
www.barmac.com.au

Cera Trap®

A MASS TRAPPING SYSTEM FOR FRUIT FLY MANAGMENT

SA 8000:2001 Certificated Company · ISO 9001:2000 Certificated Company · ISO 14001 Certificated Company · EMAS · cGMP

Manufactured by:

BIOIBERICA PLANT PHYSIOLOGY

BIOIBERICA S.A.U.
Polígono Industrial-Ctra. N-II, km 680,6
08389 Palafolls (Barcelona) - Spain
www.bioiberica.com/plant-health

BARMAC
a division of
Amgrow Australia Pty Ltd

About

The CERA TRAP® Mass Trapping System

The CERA TRAP® mass trapping system is an innovative, highly effective method to assist in the management of fruit fly infestations. There are no insecticides in the formulation therefore making this system ecologically acceptable.

CERA TRAP® is a liquid food based attractant based on a specific protein formula developed exclusively by Bioiberica who are a leading pharmaceutical company based in Spain.

CERA TRAP® produces emissions of volatile compounds, primarily heterocyclic amines (piperazinedions) and organic acids which have a high attractiveness to adult fruit flies, especially females. Cera Trap is the most powerful protein attractant for fruit flies on the Australian market.

Benefits

1. CERA TRAP® attracts multiple fruit fly species including Mediterranean Fruit Fly (*Ceratitis capitata*), Queensland Fruit Fly (*Bactrocera tryoni*), Jarvis Fruit Fly (*Bactrocera jarvisi*), Melon Fruit Fly (*Bactrocera cucurbitae*), Pumpkin Fruit Fly (*Bactrocera decipiens*) and Oriental Fruit Fly (*Bactrocera dorsalis*).

2. 100% Ecological Solution. There are no insecticides used in the formulation, the formulation is organic.

3. No Residues. No hazard to operators and no withholding period.

4. Superior Attraction. The most powerful protein attractant for fruit flies on the Australian market.

5. Sensitive to Beneficial Insects. Specifically formulated to reduce impact to beneficials.

6. No Insecticides Required. Unlike other products, no insecticides are required in the formulation as the fly is attracted to the trap by the attractiveness of CERA TRAP® and on entry it ultimately drowns in the liquid.

Application

Trap Density

The number of traps required will depend on the total area to be protected, the larger the area the less number of traps, and the crop sensitivity. The densities recommended obtain effective pest management and limit the requirement for additional insecticide treatments.

Trap Installation

The traps should be hung on the northern side of the tree at a height of approximately 1.5 metres and within the tree canopy. The traps should be placed evenly throughout the plot except where there are recognised areas of high insect pressure; these areas should be reinforced with additional traps.

Australian Trials Summary

Trials along the eastern coast of Australia, Western Australia and in Papua New Guinea clearly demonstrated that Cera Trap very effectively attracts the following species of fruit fly:

Mediterranean Fruit Fly (*Ceratitis capitata*)

Queensland Fruit Fly (*Bactrocera tryoni*)

Jarvis Fruit Fly (*Bactrocera jarvisi*)

Melon Fruit Fly (*Bactrocera cucurbitae*)

Pumpkin Fruit Fly (*Bactrocera decipiens*)

Oriental Fruit Fly (*Bactrocera dorsalis*)

As demonstrated in trials around the world, the number of female flies captured as to male flies was in the ratio of approximately 4:1.

Cera Trap®

Fly Trap
80 - 100 traps/hectare

Time of Installation
To reduce pest numbers it is essential to install the traps at least 45 days prior to fruit ripening.