

## MATCH CHEMO STERILIZATION BAIT STATION AGAINST FRUIT FLIES

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Match 050 EC

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Match 050 EC against fruit flies

➤ Flies are important pests in the main fruits producing countries.

➤ The two main flies are *Ceratitis capitata* (Mediterranean fruit fly) and *Bactrocera (=Dacus) oleae* (olive fly)

➤ The main crops are : Citrus, Olives, Peach, Apricot and Mangoes

➤ These pests are controlled mainly with old chemistry (dimethoate, malathion..)

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➤ In 1997: University of Valencia tested 10 IGI's (Lufenuron included) to check the fertility of *Ceratitis capitata* adults after feeding.

➤ Results showed Lufenuron was by far the best amongst the products reaching a 100% of sterile females and a high sterility on males.

➤ Since 1999 Kaha Station has started to test Match + food attractant against *Ceratitis capitata* and *Dacus oleae* on peach, citrus, grapes and olive using different methods of application:

- Spot application
- Home made (EG) Chemo sterilization bait station
- EU- Match Chemo sterilization bait station

All the results obtained showed Match is very effective against fruit flies and is equal/superior to the conventional products.

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The EU-Match Chemo sterilization Bait station

The EU-Match Chemo sterilization Bait station contains:

➤ lufenuron gel bait (males and females attractants)

➤ 2 component mixture for females attractants

➤ 1 component for males attractant

No pheromones. Only 1 para-pheromone (Trimedlure)

➤ The bait station does not trap the adult flies that visit it, and the gel does not kill the flies

➤ 8 Bait stations/feddan & one application/year

EU-Match Chemo sterilization Bait Station

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Distribution of the EU-Match Chemo sterilization Bait Station in the field

BI – I3/99

Efficacy of Match 050 EC against *Dacus oleae* on Olives Spot application / Kaha Agric. Res. Station / Egypt

BI - I2 / 99

Efficacy of Match 050 EC against *Ceratitis capitata* on Peach home made bait station / Kaha Agric. Res. Station / Egypt