



PHEROMONE FORMULATION

PRODUCT NAME: Polycore™ SKL 15 EC
PRODUCT CODE: BF P003

PRODUCT DESCRIPTION

Controlled release 15% spiroketal liquid formulation for the attraction of male olive flies to an approved killing agent.

Active Ingredient	Spiroketal
Loading Level	Nominal 15% (Racemic spiroketal content 15% ± 10%)
Appearance	Pale yellow to white opaque emulsion
Specific gravity	0.95
Flash point	>100 ° C
Packaging	High density polyethylene bottles

RECOMMENDATIONS FOR USE:

SPECIES NAME: Olive fly (*Bactrocera oleae*)

MODE OF ACTION

To control the Olive Fruit Fly (*Bactrocera oleae*) through the use of an Attract and Kill (A&K) technique by using a combination of the Olive fly pheromone formulation, Polycore SKL 15EC, mixed with a conventional insecticide. The aim is to attract the male olive fly to the insecticide treated area thus reducing the amount of crop area that needs to be treated reducing the risk of insecticide contamination and damage to the environment while maintaining effective control of the olive fly.

RECOMMENDATIONS AND RATE OF USE:

The Polycore SKL 15EC formulation is designed to be applied either by ground application or by aerial treatment.

N.B. In all cases ensure that the INSECTICIDE IS FULLY DISPERSED IN WATER BEFORE ADDING THE POLYCORE SKL. Ensure that the insecticide is known to be active against the adult olive fly.

1. Ground Sprays

The aim is to apply the Polycore SKL 15EC to small areas on each tree and not to treat the entire tree. Apply Polycore SKL 15EC at the rate of 100g per hectare. Assuming that there are 100 trees per hectare then each tree will require 20 mg of active ingredient or 0.13g of formulation each (13.3 ml / ha) presuming that an area of 1 metre square of foliage per tree is treated.

To avoid runoff of formulation apply the Polycore/insecticide mixture in the minimum amount of water feasible. Under normal conditions approximately 5 litres of water is sufficient per hectare. The chosen insecticide should be dilute to recommended concentration in the water then the Polycore SKL 15EC is added.



2. Aerial Application

Polycore SKL 15EC can also be aerially applied after tank mixing with a previously diluted insecticide. 13.3 ml of Polycore SKL 15EC is tank mixed with 20 litres of water and insecticide. The tank mixture of Polycore SKL 15EC and diluted insecticide is applied at the rate of 20 litres per treated hectare (low volume).

The normal method of treatment is to treat a 20 metres swath then leave the next 20 metres untreated before applying the next 20 metres swath. In this way only 50% of the area of the orchard is treated and one 20 litre tank mix is sufficient to protect 2 hectares of orchard.

Optimal Application Times for Polycore SKL 15EC

Monitoring of Olive fly can be carried out using sticky Vertical Yellow traps (available from AgriSense) and maintained as per the manufacturer's instructions. These traps should be set up as pairs set about 5 metres apart. One of the traps is baited with Spiroketal lure while the other trap is left blank. Because adult olive fly is attracted to the yellow colour, unbaited yellow traps will provide an indication of the background fly numbers during the season. The sex pheromone (Spiroketal) baited yellow trap serves as an indicator of the flies' sexual activity. Before sexual activity commences the male flies do not respond to the pheromone and captures in these traps will be the same as in the unbaited traps. When sexual activity commences the response to the pheromone lure means that captures of males on the baited traps increases dramatically (>2x). This normally indicates the commencement of a period of risk of attack and treatments should commence immediately

The number of applications that are required are dependent upon population levels. One or two applications is normal although between three and five may be needed in areas of high population.

Persistence of Polycore SKL 15EC

Polycore SKL 15EC is designed to remain attractive for up to 7 days or more at a temperature range of 25-35 C. The interval between the last application of Polycore SKL 15EC and harvest should be a minimum of two weeks. This interval is more likely to be determined by the nature of the insecticide being used and the occurrence of the pest.

Compatibility

The product has been found to be physically and chemically compatible with tank mix dilutions of commonly used emulsifiable concentrate insecticides. To ensure optimum controlled release of the pheromone from the Polycore SKL 15EC, the latter should only be added to the diluted insecticide in the spray tank when all the water has been added. The addition of Polycore SKL 15EC should be made prior to application

Storage

The product is stable for a minimum of two years when stored in the original un-opened container, out of direct sunlight at temperatures between 0 °C and 25° C

For Safety, Environmental and Disposal details see the corresponding Material Safety Data Sheet