

Product Use Guidelines **ANAMED™ FOR FRUIT FLY MANAGEMENT**

Updated 9th January 2013

BACKGROUND

Fruit flies are a problem in many agricultural systems. Most of these systems use large amounts of insecticides for control of fruit flies. When applied in an area-wide manner, they can negatively impact many beneficial insects such as parasitoids and natural enemies. In the current climate of tougher restrictions limiting use of these broad-spectrum insecticides, growers have been challenged with finding more effective and ecologically friendly methods of managing fruit flies.

ISCA Technologies is proud to introduce Anamed, a new product to improve management of fruit flies. Anamed is a non-toxic and bio-degradable emulsion containing oils, waxes, and hydrolyzed protein, a widely used fruit fly attractant and feeding stimulant. When mixed with an insecticide, Anamed can be used as an effective attract-and-kill formulation targeted specifically at fruit flies attracted to hydrolyzed protein type attractants. When applied appropriately, the Anamed/insecticide attract & kill formulation dispenses on the crop in discrete drops, not the fine mist typically associated with pesticides. This minimizes common insecticide issues such as insecticide drift, and prevents beneficial insects from coming in contact with the insecticide. Anamed can also reduce fungal issues often associated with the use of hydrolyzed protein type attractants.

Anamed can potentially achieve equal or improved efficacy with less insecticide use. Insecticide added to Anamed is better protected from UV degradation, rain wash-off and evaporation, improving its longevity than when applied using standard tank-mix methods and allowing for lower application rates. In a recent study, combining Malathion at less than 10% of the standard label rate with Anamed provided control of the South American fruit fly *Anastrepha fraterculus*.

USE GUIDELINES

1. Anamed can be combined with many different insecticides, allowing the user to tailor the final product for application. Blend the insecticide into the Anamed product (for example using a hand drill with a stir paddle) making sure to evenly distribute the insecticide until a homogenous emulsion is achieved. Insecticide amounts used should be 1% to 10% of the total amount used in the field to ensure efficacy. The product should be applied to the perimeter of fields at a rate of up to 1 kg per hectare every 10 to 20 days.
2. Please contact your pest control advisor for recommendations on which insecticides would be most effective. Please follow the insecticide use instructions when mixing with Anamed for an attract & kill formulation. If you have questions about application methods, please contact ISCA Technologies.
3. The appropriate fruit fly monitoring traps should be deployed to determine the Anamed attract & kill formulation field longevity and re-application timing.
4. Mechanical application equipment and tools can be developed to mechanically apply Anamed formulations. Please view ISCA's Youtube page [here](#).

STORAGE INFORMATION

1. Unused Anamed should be stored in air-tight bucket, and placed in a cool and dry place.
2. Keep out of reach of children. Do not reuse package. Do not mix Anamed with water.

OTHER INFORMATION

1. The standard disclaimer for the information and use of ISCA's products can be found in the ISCA Technologies Standard Terms and Conditions of Sale. You may request that a copy be sent to you or you can view it [here](#).
2. Please feel free to view the latest ISCA Fruit Fly Management Products catalog and latest product support material at the Anamed product website [here](#). Product use guidelines are periodically updated to incorporate latest research information. The latest instruction sheets and product use guidelines are also available from this website.

