



# ANAMED Fruit fly Management

## MONITORING QLD Fruit fly.

### ISCA Ball Trap

An improved version of the McPhail trap - holds twice the volume of liquid attractants compared to the McPhail trap, and it has a larger and more flexible receptacle to contain a wider variety of solid and liquid attractants. Very robust UV stable plastics for much longer field life. Includes an easy access lure receptacle on top of the trap for ease of lure replacement.

**Dimensions:** Diameter 20cm x 8cm deep (13cm total height)



### Torula Yeast for Qld Fruit fly Female monitoring in Ball Traps

Torula yeast food attractant lure for Qld Fruit fly in balls traps. Manufactured in convenient to use pellets.

**Packaging:** Pack of 20 pellets or 23kg pail (approx. 4500 pellets)

**How to Use:** 3 pellets for approximately 1 liters of water.

**Field life:** 4 to 8 weeks depending on environmental conditions. May require water replenishment due to evaporation. 4 weeks in summer before replacing but once again depends on fly numbers and putrefaction.

**Shelf life:** 2 years if refrigerated. For short term storage of less than 2 months, store in cool indoor area. For long term storage of more than 2 months, store in refrigerator.

### SPLAT CL for Male Qld Fruit fly monitoring in Ball Traps

SPLAT CL contains Cue-lure in a waxy flowable matrix.

**Packaging:** 250g jar with mixing stick

**How to Use:** Approx 5-10g (10 g in summer).

**Field life:** 8-12 weeks depending on environmental conditions. 8 weeks in summer

**Shelf life:** 2 years if refrigerated. For short term storage of less than 2 months, store in cool indoor area. For long term storage of more than 2 months, store in refrigerator.



## MONITORING Mediterranean Fruit fly.

### Torula Yeast for Female Medfly monitoring in Ball Traps

Follow same instructions as per QFF

### ISCA TML lures for Male Medfly monitoring in Ball Traps

ISCA TML lures contains Trimedlure parapheromone in a gel matrix which attracts male Medfly.

**Field life:** 4-6 weeks depending on environmental conditions. 4 weeks in summer.

**Shelf life:** 2 years if refrigerated. For short term storage of less than 2 months, store in cool indoor area. For long term storage of more than 2 months, store in refrigerator.

### LURE & KILL\* (\* if combined with an APVMA approved toxicant)

### ANAMED Female Qld Fruit fly food attractant.

ANAMED is a viscous emulsion of proteins, proprietary female attractants in a matrix of plant waxes, oils and other proprietary materials. It provides rain and UV protection for pheromone and pesticide. Biologically inert and bio-degradable matrix. Flowable characteristics allow for manual and mechanical application methods as per other splash baits. Will last up to up to 20 days in the field in late autumn to early spring and between 10-14 days late spring to early autumn. **Pack Size: 10L**





## Step 1: Ball Trap setup and monitoring

**Female QFF and Medflies:** Fill the yellow plastic bottom of the ISCA Ball Trap with approx 1L water. This may need to be adjusted over time depending on evaporation rates in your area. The water level can be filled to about 5mm from the rim of the plastic bottom. Place 3 Torula pellets into the water and be careful not to allow any of the yeast to contaminate the outside of the trap (thoroughly remove any yeast residue from outside of trap). Twist the clear plastic top of the ISCA Ball Trap in place and hang the trap up on the tree using the provided string or wire. The pellets go through a fermentation process, so please allow approximately 2 to 3 days for the attraction to take effect depending on the ambient temperature. Depending on wind and temperature, and your preferences, the water should be replenished when it evaporates below 1/2 of the water volume.

Depending on weather and environmental conditions, the field life of the Torula Yeast solution is around 4 to 8 weeks (4 weeks in summer depending on fly catches causing putrefaction). For your first time of use, you should monitor the level of attraction based on a) how strong you want the attraction and b) the level of fruit fly infestation, to determine when you should dispose the solution and start with a new batch of pellets. The duration of the fruit fly attraction typically declines gradually after 4 weeks, but will continue to be effective for approximately 8 weeks.

**Male Qld FF:** Apply approx 10g of SPLAT CL into the lure receptacle in the top of the trap and close the lid. Replace every 8-12 wks (8wks summer)

**Male Medfly:** Apply ISCA TML lure into the lure receptacle in the top of the trap and close the lid. Replace every 4-6 wks (4wks summer)

**Trap Placement:** Traps are hung on the south side of the tree in summer and on the north side in the winter. Place traps on the inside of the canopy of fruiting trees, in open shade, with 25cm of clearance from foliage. Trap density for the ISCA Ball Trap with Torula Yeast Pellets is dependent on many factors, such as: purpose (e.g. detection, monitoring, mass trapping, or mass trapping used in combination with other pest control methods), infestation level fruit/crop use and economic damage threshold. For monitoring purposes, we recommend placing 2 traps per hectare. For mass trapping purposes, we recommend placing 50-100 traps/ha. When appropriately deployed, the Ball Trap with Torula Yeast Pellets can provide good management of fruit fly in areas with low to medium infestation levels. Use 1 more additional trap in some paddocks in the middle of the field to monitor fruit fly movements inside the field. If numbers are high in these middle field traps then control programs are not working to economic thresholds and more needs to be done.

## Step 2. Baiting with ANAMED and SPLAT for Lure and Kill\*

(Apply both male and female treatments at same time)

**FEMALE FLIES:** Start applying as soon as flies are detected in ball traps.

**Mixing rate:** Mix 1L ANAMED + 2L of water and registered toxicant. Apply the 3L solution as you would with other FF baits over 1 ha to **every 2nd row and all parameter trees**. This material can be applied through spot spray chemical pumps. Preferably apply to shady side of tree in summer

**MALE QLD FF: SPLAT CL**

- Distribute 300 g/ha evenly (100 dollops/ha) evenly throughout the crop.
- Dollops are 3 gram applied via a tongue depressor or something like a Magnum ice cream stick.
- Apply dollop within the selected center canopy to avoid contact with the edible parts and to increase rain fastness.
- Apply as a spot application on; stake, non-crop tree trunks, fences, non edible border vegetation of the surrounding crop fields. Apply every 8-10 weeks (8 weeks in summer months)

## MIXING APVMA Approved TOXICANTS.

**Check APVMA Permits, Registrations for MIXING RATES, USE PATTERN and SAFETY DIRECTIONS**

Mix into **SPLAT CL** using a small mixing stick into the 300g jars and mix thoroughly throughout for 2-3 minutes. For larger treatment areas decant the 300g jars (min. 8 jars) into a 5L bucket and mix using a small paint mixing paddle and drill.

Mix toxicant into **ANAMED** in a bucket or similar mixing vessel using a small paint mixing paddle and drill or similar mixing apparatus that provides very even distribution of the toxicant. Mix for approximately 2-3 minutes.

**ALWAYS ADHERE TO MANUFACTURERS SAFETY DIRECTIONS WHEN MIXING PESTICIDES**