

# MANAGE QUEENSLAND FRUIT FLY

JULY 2015

## IT'S YOUR RESPONSIBILITY

...and it's as easy as



**ATTRACT AND KILL WITH PROTEIN BAIT SPRAYS**



**REDUCE MALES WITH MALE ANNIHILATION TECHNIQUE (MAT)**



**PRACTISE GOOD SANITATION**

**Horticulture  
Innovation  
Australia**



Department of  
Primary Industries

**BUGS  
FOR  
BUGS**

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ITS

A

## PROTEIN BAIT SPRAYS



### WHY

- A protein + toxicant attracts and kills flies
- Fruit flies require protein before they can sting fruit

### HOW

- Mix protein lure with toxicant at the recommended rate
- Apply as a spot or band to the host trees

### WHEN

- Start early and apply weekly until at least 3 weeks after harvest
- Apply more often if you see signs of fruit fly damage or increased activity

### ALSO

- Protein may cause fruit burn – test before use – minimise fruit contact
- Treating larger areas including non fruiting blocks and surrounds will improve results

B

## MALE ANNIHILATION



### WHY

- Reducing the male population will help improve fruit fly control

### HOW

- Place MATs throughout your orchard at 10 – 20 per hectare

### WHEN

- Apply three times per year
- Leave individual MAT out for a full 12 months

### ALSO

- Use MAT as well as protein baiting (not instead of)
- Works best when used over large areas leading to improved control over time



# C

## SANITATION



### WHY

- Surviving flies from last year are major contributors to spring populations
- Minimise fruit fly breeding for best results

### HOW

- Remove unwanted hosts including feral and neglected trees
- Remove all residual fruit following harvest
- Destroy any fallen fruit if damaged by fruit fly



## MONITORING

- Fruit fly traps monitor male population trends
- Replace wicks every three months
- Treat trap counts as a guide only
- Do not rely on trap counts to decide whether or not to apply protein bait sprays and MAT
- Regularly inspect your crop for any sign of fruit fly damage



*All photos: Dan Papacek*

For more information go to: [www.dpi.nsw.gov.au](http://www.dpi.nsw.gov.au) or [www.bugsforbugs.com.au](http://www.bugsforbugs.com.au)