



# APPLE LOOPER PHEROMONE PROJECT



2015/16



## APPLES



### Pest status

- Larvae attack young fruit
- “Forever” in apples, esp. min. spray
- “Plague” in grapes 2008; ongoing

### Monitoring

- Larvae are cryptic
- Larvae not easily dislodged

## GRAPEVINES





# Apple looper moths & monitoring

Moths are about 8mm long with a wingspan of ~ 15mm



**MALE**



**FEMALE**



# Field work

- Pheromones tested:  
From 2 parent compounds, 7 blends
- Field studies:  
3 sites: Organic apple orchards: Perth Hills & Manjimup  
Vineyard: Margaret River  
4 or 5 reps of each blend  
Deployed late September  
Checked traps & fruit weekly  
Ran for 6 weeks





- One moth caught, but female



- Looper damage evident in fruit at all trial sites



## THE ISSUES:

**COST OF PHEROMONE IDENTIFICATION & ASSESSMENT**

**PRODUCING PUPAE – from field collected larvae**

**JUSTIFICATION**

