



# ***Bactrocera invadens*: Current status in South Africa determined through an Early Warning System**

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Agriculture, Forestry and Fisheries  
REPUBLIC OF SOUTH AFRICA



## Trapping: POE/Cities



- All the major cities in South Africa
- Mostly border posts in the north and east of SA
- Focus is imported goods as well as travelers
- ME, Biolure and Cue lure traps
- Traps placed at areas around waste dumps, hotels, sports grounds
- Serviced once a month by NPPO

## Transects



- From Platjan to Pafuri
- Musina to Louis Trichardt
- Lebombo to Nelspruit
- Golela to Kosi Bay
- ME and Biolure traps
- Serviced mostly two weekly in winter once a month by the NPPO

## Production Areas



- Divided amongst industry members and executed mostly by industry
- Also by NPPO
- ME and Biolure
- NPPO a few Cue lure traps
- Serviced monthly
- Focus country wide but mostly in Limpopo and Mpumalanga by Citrus and Subtropical industry
- Focus by deciduous industry mostly in western and northern cape



- Group Traps**
- CRI
  - DFPT
  - DAFF SubTrop
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## Preparedness- *B. invadens* steering committee



Industry/Government participatory forum

Forum jointly decides on:

- Solutions to optimize surveillance programs for early detection of *B. invadens*
- Implementation of delimiting surveys and measures to eradicate/control *B. invadens*
- Organisation of sub group meetings to optimize surveillance and control
- Communication and data management

## Pre-harvest Control Research



- Preliminary work with Rachid Hannah using MAT blocks in mangoes in Benin
- Attempted to work with govt. in Tanzania on citrus but no invitation. Supplied Mazoferm bait for field trials on mangoes
- Conducting collaborative work with Caroline Nankinga at NARL in Uganda in citrus using MAT & baits

## Post-harvest Control Research



- Collaborative work with Sunday Ekesi at ICIPE in Kenya
- Developing cold treatment that will give probit 9 guarantee of control in citrus
- So far have passed minimum requirement with 2 reps but are conducting 3<sup>rd</sup> rep
- Work has made progress to develop cold treatment for the control in avocado



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**THANK YOU**

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