

New regulated pests occurring or expected to occur in South Africa

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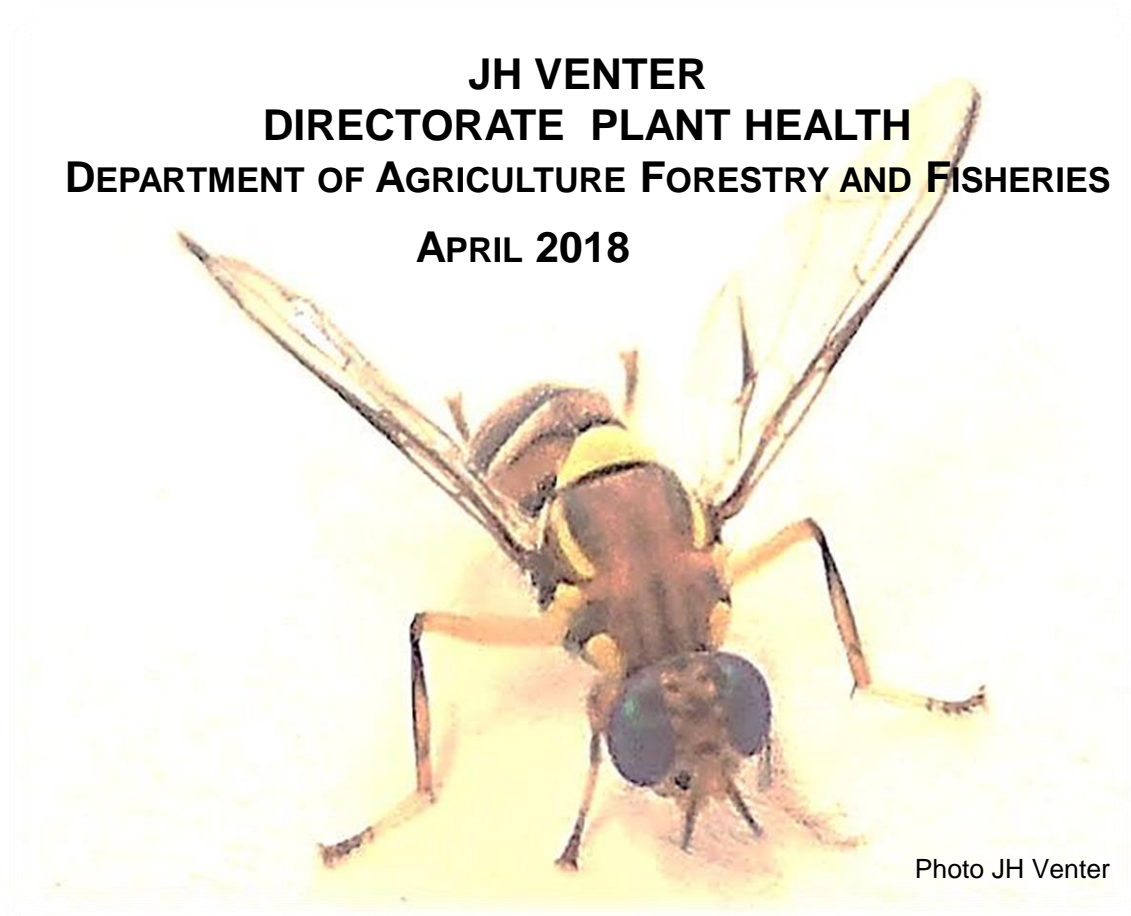


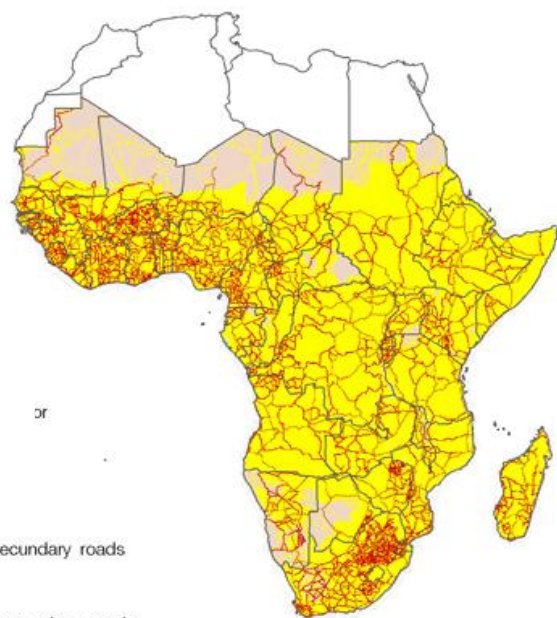
Photo JH Venter



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Africa open for trade & tourism



© 2006 SOW-VU

http://www.sow.vu.nl/Activities/Food_Atlas_Africa/food_atlas.html

Over 400 000 trucks through Beitbridge border post per year



19.5 million passengers carried to and from South Africa in 2016

4.8million, 20 feet shipping containers- 2014



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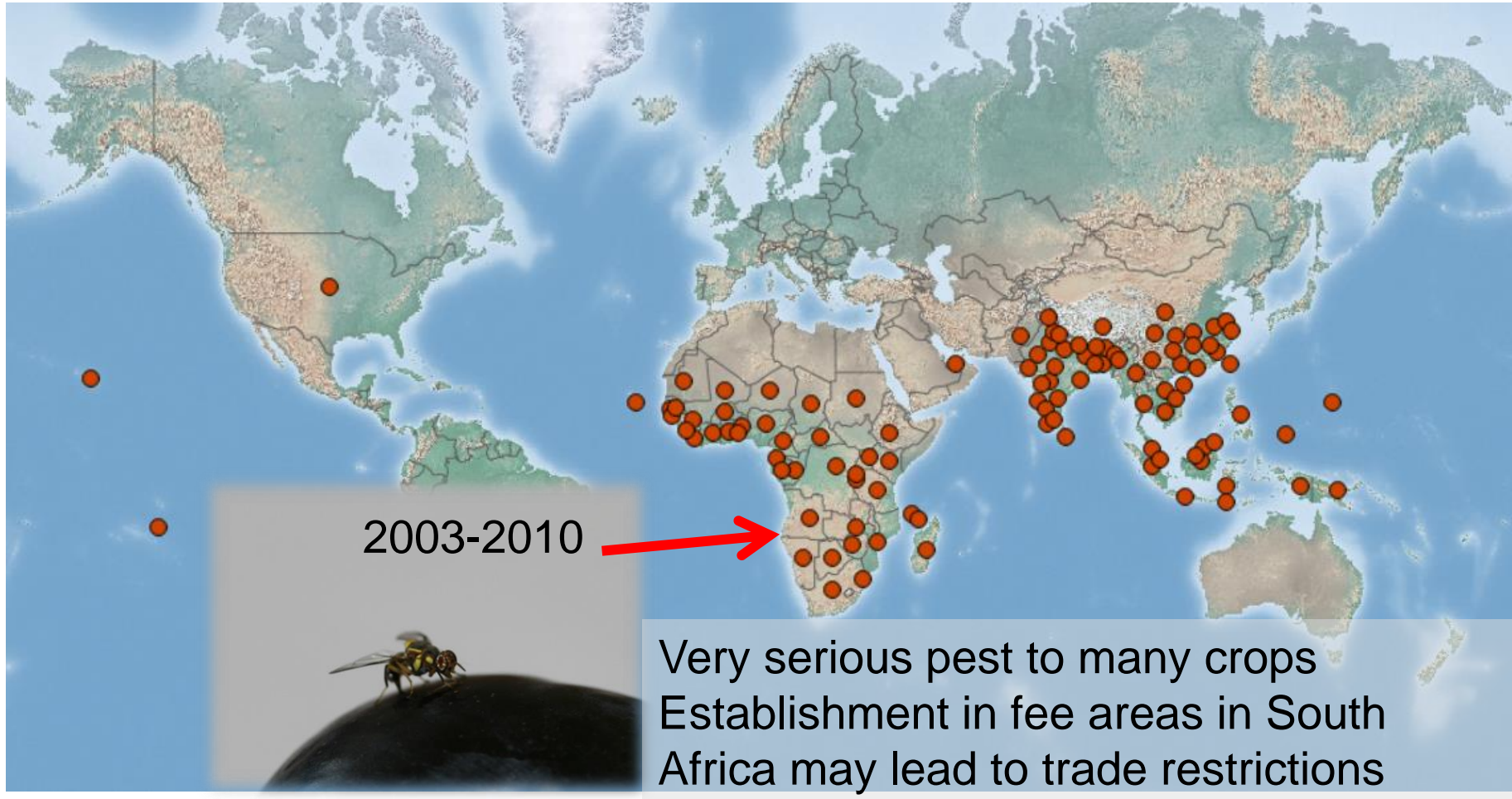
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Examples of recent alien pests incursions in South Africa: 2010-2017 (not inclusive)

- *Bactrocera dorsalis*- Oriental Fruit Fly
- *Acalitus vaccinii* –Blueberry Bud Mite
- *Aclitus essigi*- Redberry Mite
- *Raoiella indica*- Red Palm Mite
- Banana Bunchy Top Virus
- *Tuta absoluta*-Tuta
- *Spodoptera frugiperda*-Fall Armyworm
- Polyphagous Shothole Borer or PSHB (*Euwallacea nr fornicatus*)
- *Fusarium euwallaceae*



Bactrocera dorsalis



Banana Bunchy Top Virus



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5, 6. Shotgun-like scars develop around PSHB entrance holes on London plane trees.

7. Lesions developing around entrance holes on pecan nut trees.



8. Resin oozing from new infestations on the stems of paper bark thorn trees.

9. Resin dripping down from infested areas on paper bark thorn trees.

Compiled by ZW de Beer, FABI. All photos unless otherwise stated by ZW de Beer. <https://www.fabinet.up.ac.za/>



Zeugodacus cucurbitae

1930 -2015

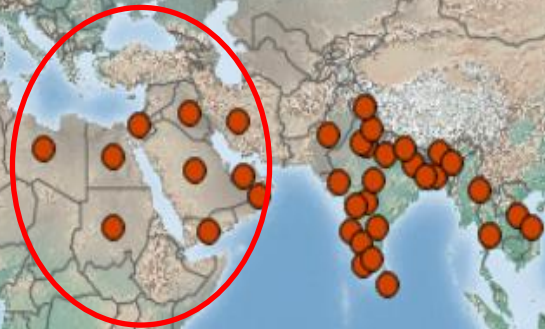


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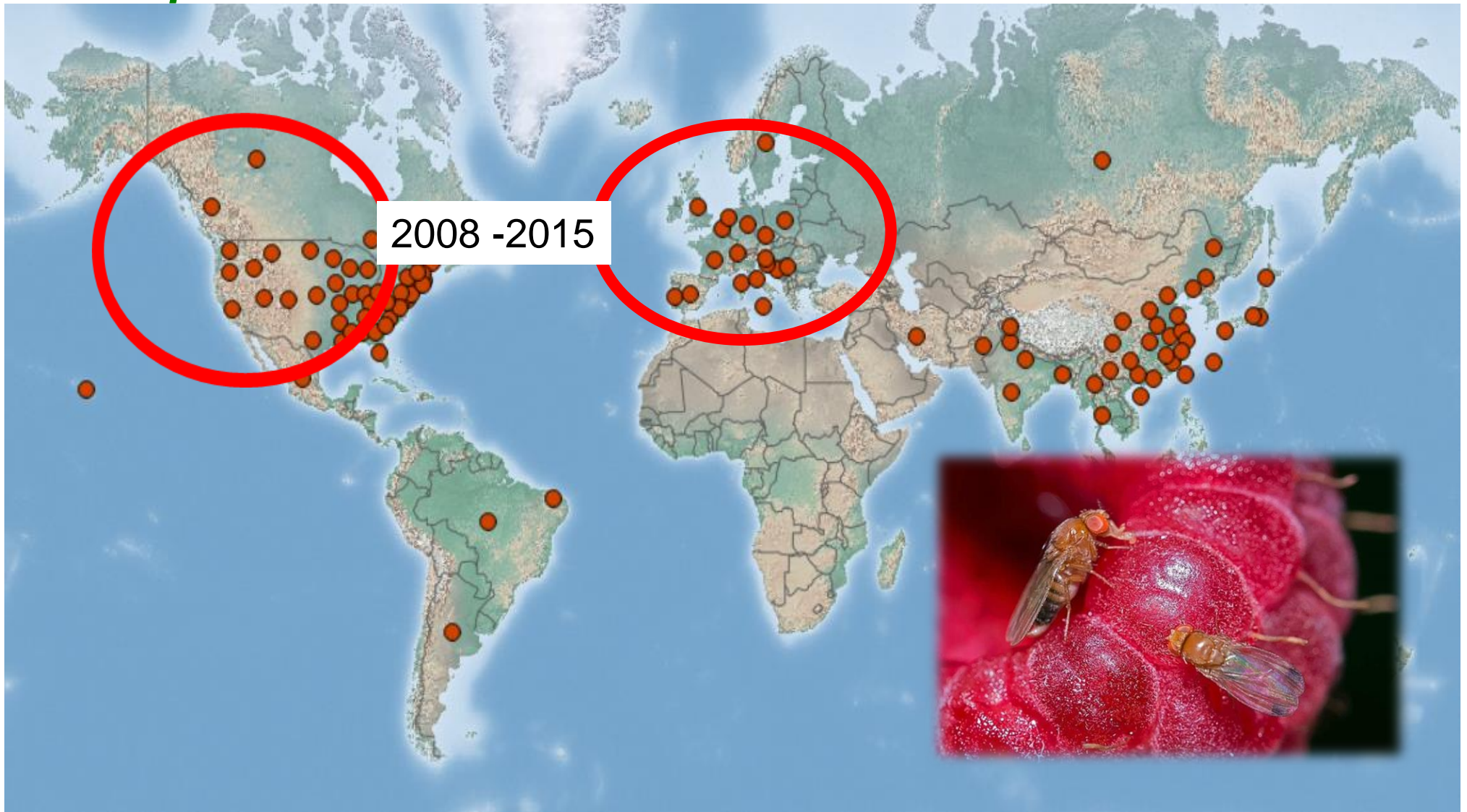
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Bactrocera zonata

1993-2012



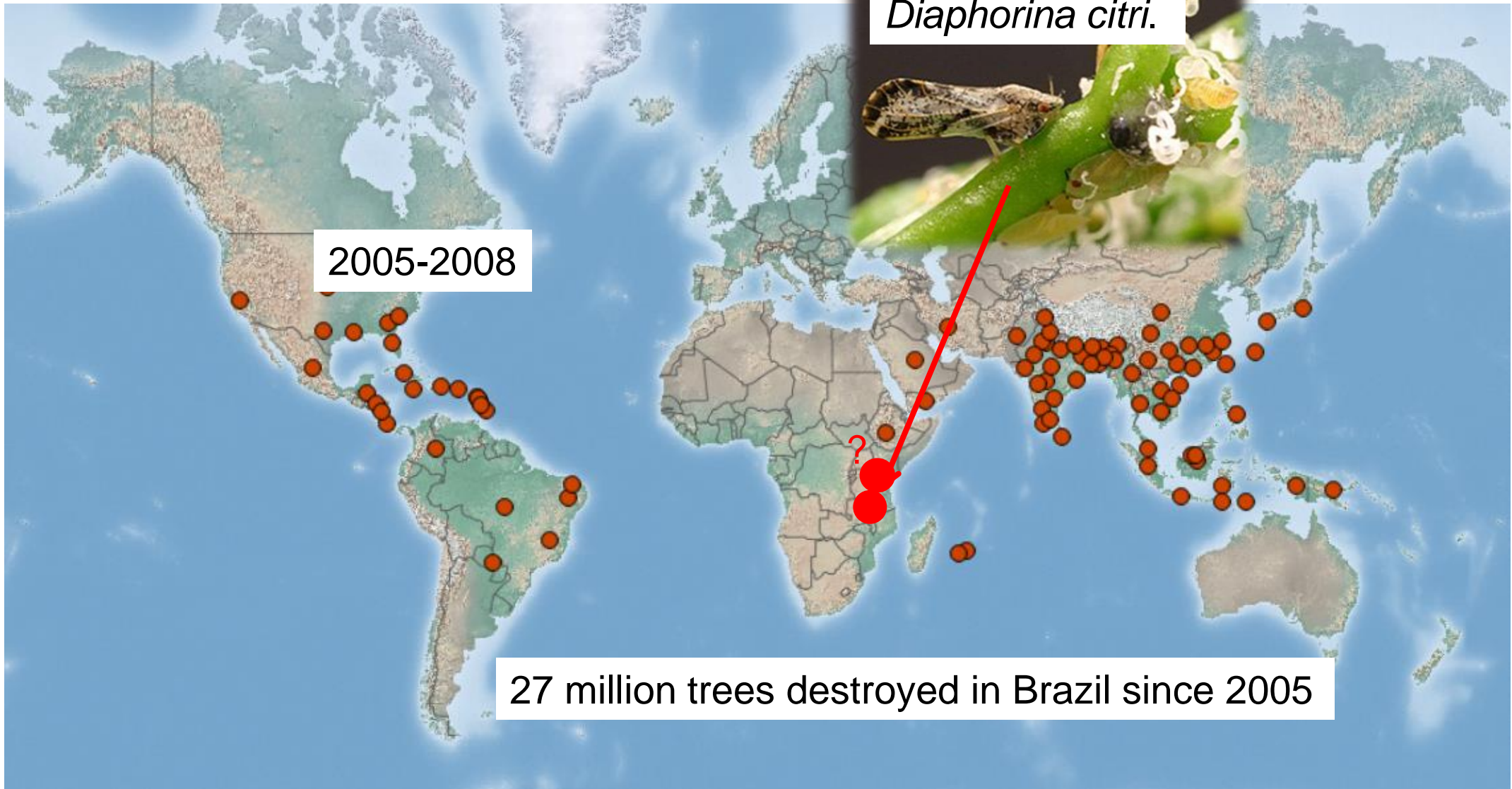
Drosophila suzukii



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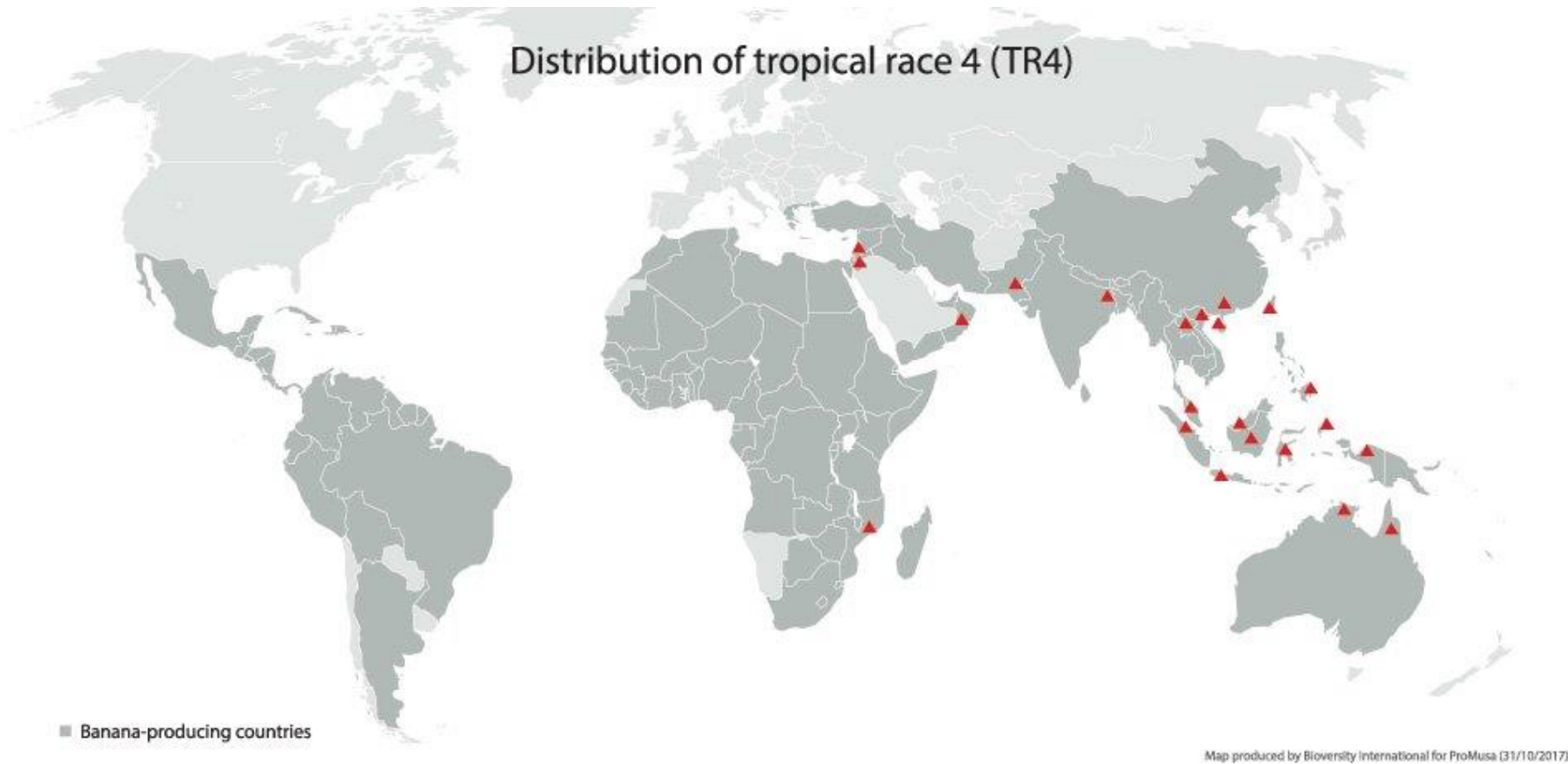
Liberibacter asiaticus



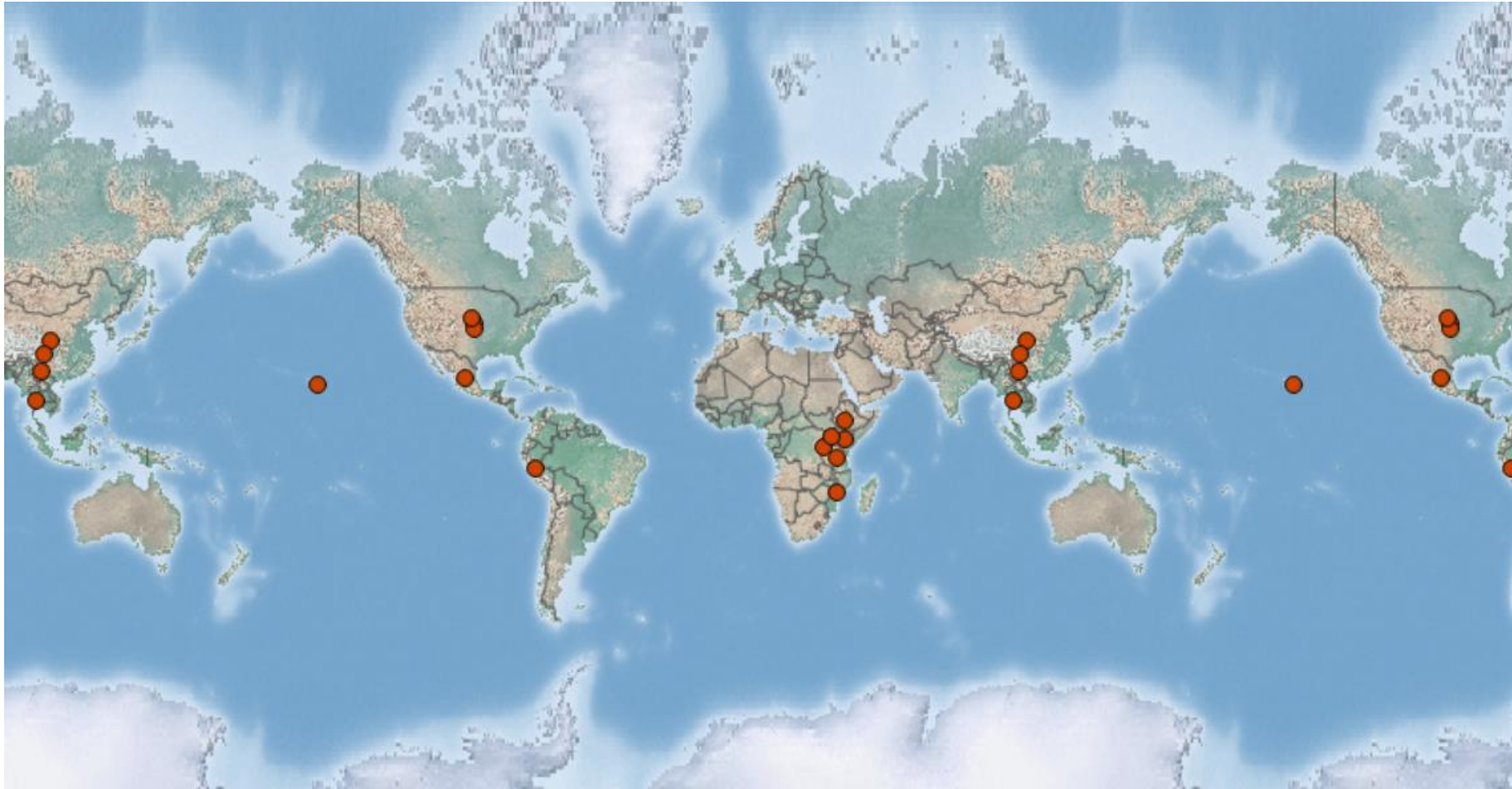
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Panama disease (tropical race 4), (foc 4) or (TR4)



Maize Lethal Necrosis Disease



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What can be done?

We need to work together

Report new pests to DAFF

Develop capacity to deal with suspected new pests

Ensure funding mechanisms are in place

Research is critical

Awareness, awareness and more awareness

Work on a regional basis

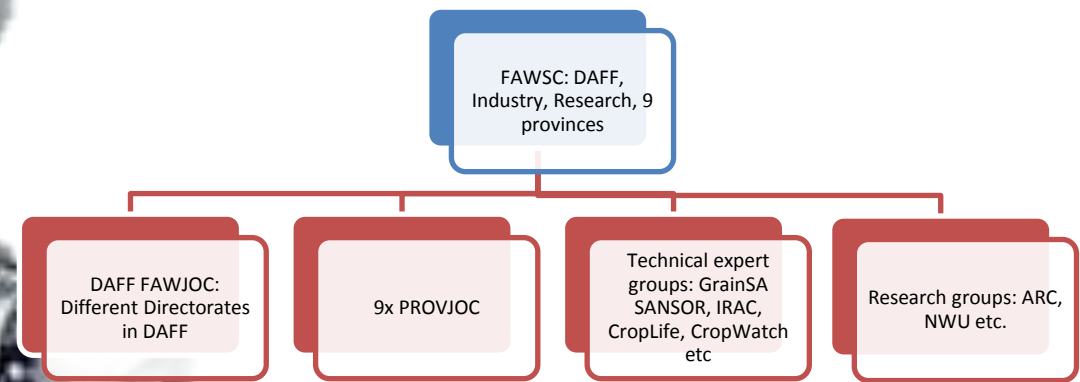


Agricultural Pests Act 1983 (Act No.36 of 1983)

South African Emergency Plant Pest Response Plan

Notify DAFF of new pests

Collaborate with scientists →



CONTINGENCY STRATEGY FOR

Huanglongbing caused by '*Candidatus Liberibacter asiaticus*' and '*Candidatus Liberibacter americanus*' and their vector, the Asian citrus psyllid (*Diaphorina citri*) entering South Africa

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Endorsed by the South African Citrus Greening Working Group



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Early Warning and Rapid Response

Regional response



AU-IAPSC
Inter-African Phytosanitary Council



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Please talk to each other
Any suspicion please talk to DAFF- it's the law

Pests don't wait, they mate



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