

Insecticide Resistance Action Committee

46th Meeting of IRAC International, Brussels, Belgium

March 30th, 2011

IRAC Country Group Overview

Liaison Officers



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IRAC South Africa

Russell Slater





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The Syngenta logo, consisting of the word "syngenta" in a white, lowercase, sans-serif font. The letter "y" has a small green leaf-like shape above it. The logo is positioned on a dark green horizontal bar that spans the width of the slide.A large, stylized, light gray graphic of a leaf or stem, curving from the top right towards the bottom left, partially overlapping the green bar and the Syngenta logo.

**IRAC South Africa
Desiree van Heerden**

South African activities

- 3 meeting per year, 4 March, 29 July & 25 November 2011
- Active participation from the Multinational Companies; Syngenta, Bayer, BASF, Philagro, Monsanto & Dow, the generics – Villa Crop Protection and the Agricultural Research Council in ZA. We also have representation from one of the largest export Estates; Westfalia and the University of North West

South African activities

- South Africa mostly report on suspected resistance cases not confirmed cases and on new or seasonal insect problems
 - Whitefly (*Trialeurodes vaporariorum*) still regarded as one of the most serious pests in our tomato production areas
 - Over the last two seasons registered leaf miner (*Liriomyza trifolii*) products on tomatoes were not performing as expected
 - Thrips and mites also occurred in higher than expected numbers



Pest Problems South Africa 2011

- Mirids and Coconut bug now recorded on mangoes and avocados, stink bugs previously only serious on macadamia nuts
- Control complaints from the Cape region on False Codling moth (*Cydia pomonella*) on apples
- Woolly whitefly recorded in high numbers on citrus in Cape region
- The maize mite problem did not repeat this season, possibly due to fairly cold and wet weather from Dec – Jan with heavy rain showers
- *Leucania loreyi*, the false army worm was reported as a pest for the first time on barley and wheat, up to 60% wheat were affected and more than 2 200 ha barley



Pest Problems South Africa 2011

- High thrips populations on citrus, expected control now only 3 weeks compared to 6 weeks initially
- *Busseola fusca*, extremely high populations in 2009/10 season, changes in maize cultivation, earlier plantings under irrigation, higher plant density, reduced tillage & increased GMO plantings
- Monsanto and Syngenta involved in farmer training on resistance issues
- Monsanto actively monitor cases of possible resistance, promote refuge area and GAP
- 2011 - low stalk borer populations reported
- *Chilo partellus* did not expand during the last season, low numbers due to weather conditions



Proposed activities 2011

- Upgrade MoA poster by July 2011
- Various training sessions on GAP, resistance and understanding insects (mostly farmers days)
- Presence at the XVII Entomological Society of Southern Africa Conference 3 – 6 July 2011
- Resistance related articles in the local popular magazines
- IRAC South Africa in-house committee training on ZA tomato problems, back ground & control