



Insecticide Resistance Action Committee

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# SMART GOALS & OBJECTIVES 2016 - 2017

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# SMART Goals & Objectives

Specific Measurable Achievable Realistic (Resourced) and Time Bound

## IRAC International

The IRAC Network is made up of a series of inter-company Committees dedicated to prolonging the effectiveness of insecticides and acaricides by countering the development of resistance. The Committees operate at a global level (IRAC Executive) and at a regional or country level (IRAC Country Groups) and the whole network is termed IRAC International (abbreviated to IRAC).

The IRAC Executive Committee provides technical information, coordination and support for IRAC through a series of international Teams and Working Groups. Annual goals and SMART objectives for each of the teams are set in accordance with the overall IRAC Mission and should be reviewed periodically during the year within the teams to evaluate progress.

## The IRAC International Mission

- Facilitate communication and education on insecticide and traits resistance
- Promote the development and facilitate the implementation of insecticide resistance management strategies to maintain efficacy and support sustainable agriculture and improved public health

# IRAC Sucking Pest WG Objectives 2016-17

Goals	Objectives	Timeline
<p><b>Short term (“alert”)</b> actions to minimise spread of resistant pests</p>	<ul style="list-style-type: none"> <li>• <i>Myzus persicae</i> Follow-up with “implementation” of IRM Guidelines in Southern EU</li> <li>• <i>Bemisia tabaci</i> monitoring program (PROMIP/IRAC-BRA): how to design IRM strategies?</li> <li>• <i>Sitobium avenae</i> review last year’s alert for Mainland EU for PYR-resistance (in view of few MOAs)</li> <li>• <i>Aphis gossypii</i> (neonicotinoid target site resistance) <ul style="list-style-type: none"> <li>▪ Develop IRM recommendations for Korea as template for future use</li> <li>▪ Finalize / review poster: globally &amp; local Korean language version</li> </ul> </li> </ul>	<p>2016</p> <p>Q2 2016</p> <p>Q2 2016</p> <p>Q2 2016</p> <p>Q3 2016</p>
<p>Prepare IRM guidelines for pests with, or at risk of developing resistance in the <b>mid term</b></p>	<ul style="list-style-type: none"> <li>▪ <i>Euschistus heros</i>, check on MOA IRAC 01, 03, 04, with PROMIP/IRAC-BRA <ul style="list-style-type: none"> <li>▪ Follow up with monitoring efforts: how to design IRM strategies?</li> <li>▪ Method validation and implementation (review vial test to IRAC approved methods)</li> </ul> </li> <li>• <i>Bathycoelia distincta</i> Support research efforts in RSA (suspected PYR-resistance)</li> <li>• <i>Diaphorina citri</i> Validate &amp; publish a Flush tube systemic test for IRAC Groups 23&amp;28, poster update</li> <li>• <i>Bactericera cockerelli</i> Activate monitoring, validate and publish a method, notably for IRAC 04</li> <li>• <i>Myzus persicae</i> <ul style="list-style-type: none"> <li>▪ updated IRM Guidelines for new cases (Andalusia, ESP)</li> <li>▪ the poster, incl. new MOA with IRAC ESP</li> </ul> </li> <li>• <i>Bemisia tabaci</i> (<i>T. vaporariorum</i>) updated poster version, incl. new MOA</li> <li>• <b>Fruit fly species</b> (pyrethroids-resistant olive fly suspected, Greece): 1. Summarize current resistance situations, 2. Exchange about methodology and 3. Pro-actively release recommendations (highlight value of current options / prevent use restrictions)</li> </ul>	<p>Q2 2016</p> <p>Q3 2016</p> <p>2016</p> <p>2016</p> <p>2016</p> <p>Q2 2016</p> <p>Q3 2016</p> <p>Q3 2016</p> <p>2016</p>
<p>Prepare for future Sucking Pest problems <b>long term (avoidance)</b></p>	<ul style="list-style-type: none"> <li>▪ <i>Tetranychus sp.</i> (mites), <i>Nilaparvata lugens</i>, bugs/stinkbugs (<i>Dichelops melacanthus</i>) <ul style="list-style-type: none"> <li>▪ Collect reports on monitoring studies and publications, follow up field failures</li> </ul> </li> <li>▪ <i>Aphis gossypii</i>, <i>Myzus persicae</i>, <i>M. nicotianae</i> (neonicotinoid target site resistance) <ul style="list-style-type: none"> <li>▪ Monitor complaints globally and report liaise with researchers</li> </ul> </li> </ul>	<p>2016</p> <p>2016</p>