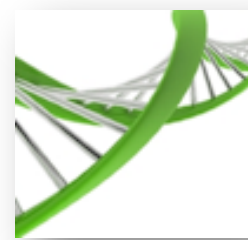




Insecticide Resistance Action Committee

# Methods Team Highlights 2016/17

51<sup>st</sup> IRAC International Meeting  
March 28-31, 2017



# Methods Team: Current Members (7)

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## Team Members:

- Frank Wessels – Dow AgroSciences (Team Leader)
- Harald Köhler – Bayer CropScience (Deputy Leader)
- Lixin Mao – BASF Corporation
- Jan Elias – Syngenta Crop Protection
- Craig Keathley – DuPont
- Holly Popham – AgBiTech
- Magali Gravouil - DuPont

# Team Objectives

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Establish single contact point for insecticide and acaricide resistance monitoring methods



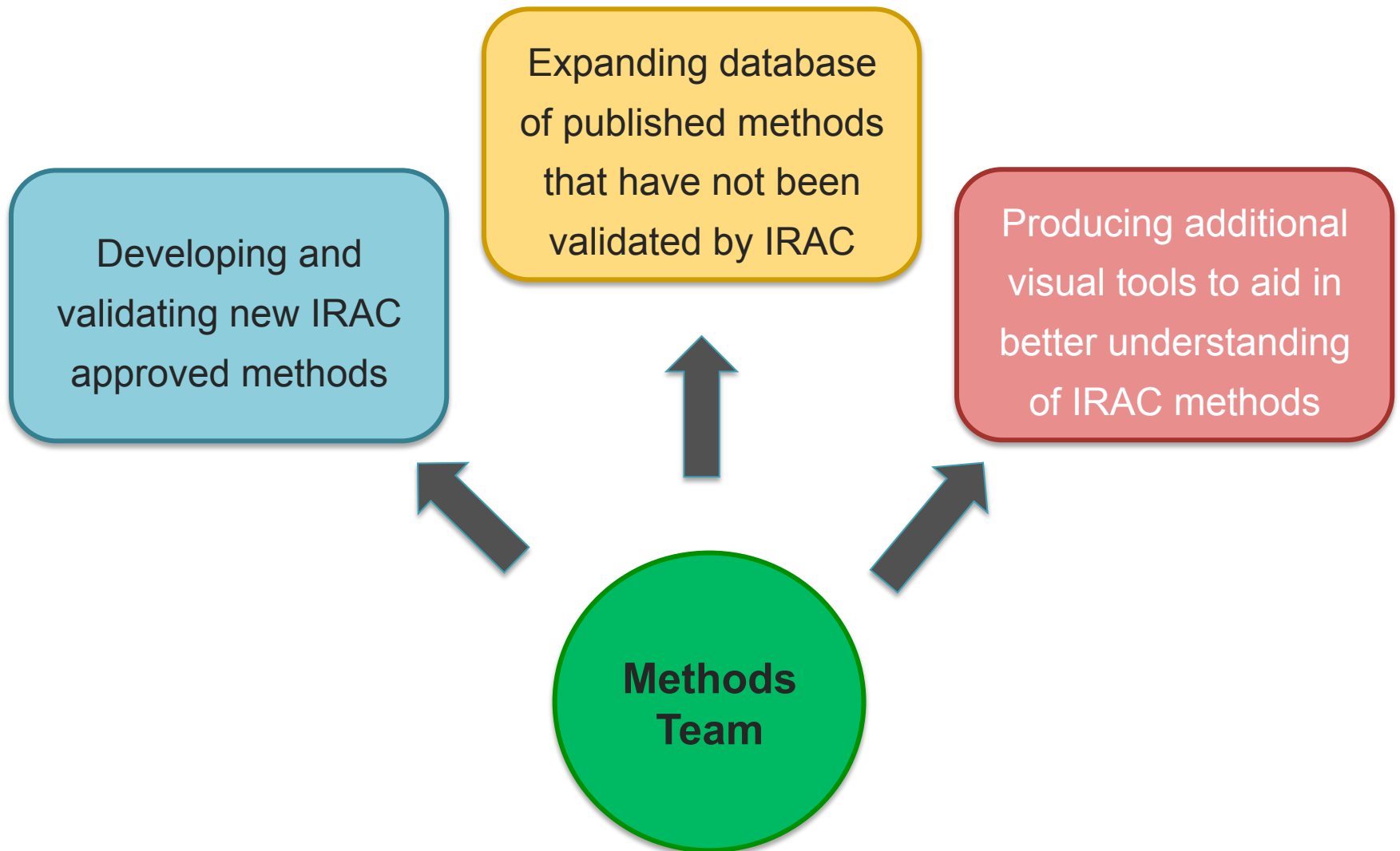
Provide IRAC approved methods, so data generated by independent researchers can be directly compared



Improve communication to our target audience

# Meeting Team Objectives

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# Methods Team Value

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## Website Statistics

- Test Methods page is the 4<sup>th</sup> most popular page on IRAC site
  - After Home, MoA, and Pest Pages
- Page views in 2016 increased 9% over 2015

Test Methods	Page Views
2016	11,864
2015	10,886
<i>% Change</i>	<i>8.98%</i>

- Efforts to streamline IRAC website continue to pay dividends

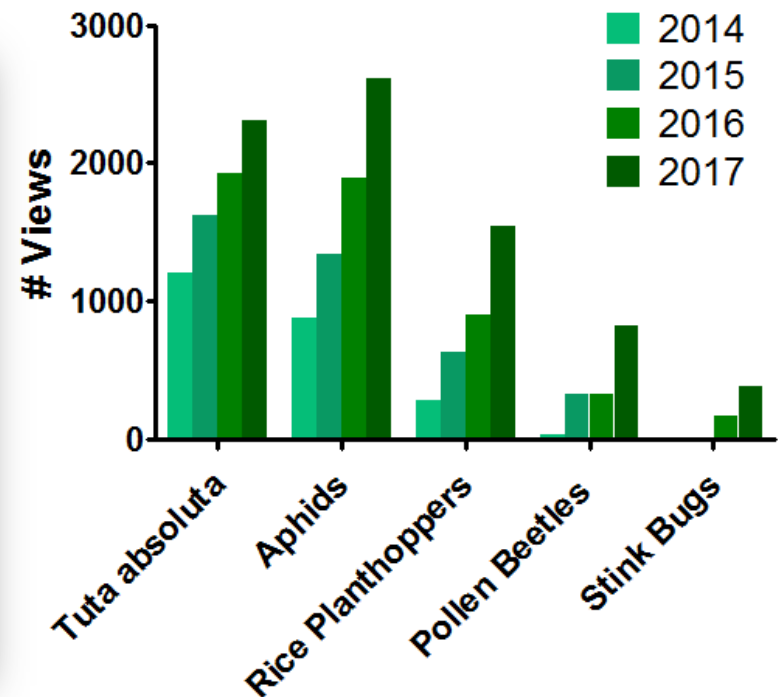
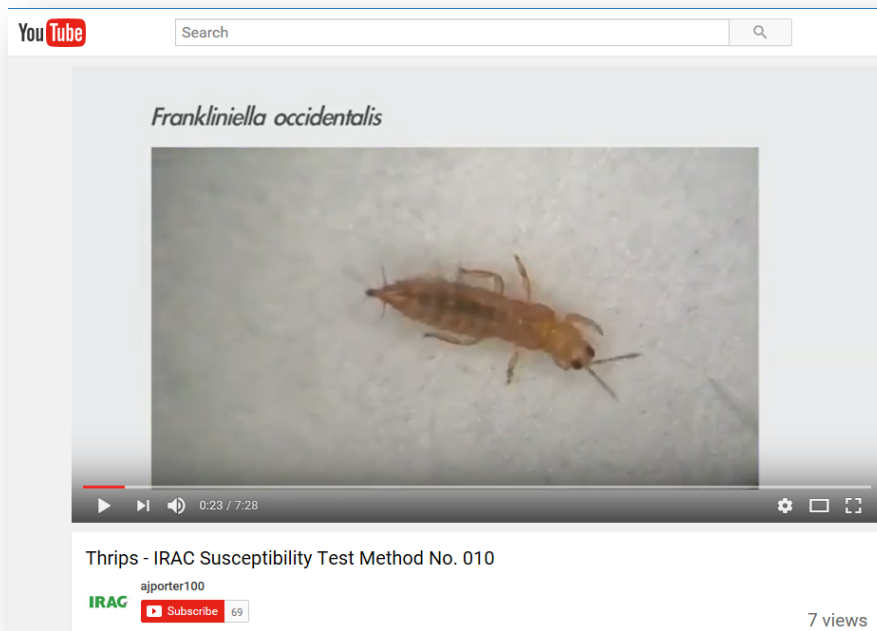
# Test Method Update

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- 34 approved methods
- Methods in development
  - Cockroach and bed bug topical method
    - Vial method may also be valuable (PCO resistance monitoring)
  - Asian citrus psyllid
    - Validation this summer in Brazil, separating into 2 methods
      - Excised leaf method (Drs. Hall & Ammar, USDA ARS)
      - Whole plant method (used in Brazil, easy & repeatable)
  - Potato psyllid method – developed by SPWG
    - Spray and drench method
    - Need to identify members/collaborators to validate

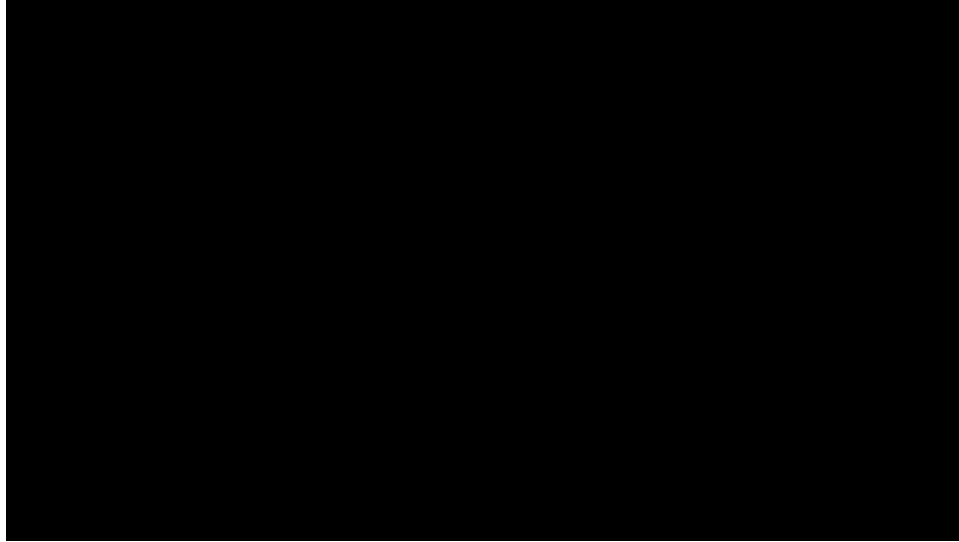
# Methods Videos

- 6 videos published to date
- Thrips method (Method # 010) video recently posted on YouTube
  - Link available on IRAC Methods Team page and embedded into method # 010



# Methods Videos

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[Video Link](#)

- Videos have increased the visibility of IRAC & Methods Team
- Production quality of videos has been excellent and continues to improve
- Contribute to goal of improving communication with target audience



# Methods Alignment

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**51<sup>st</sup> Meeting, IRAC International  
March 28-31, 2017**

Version 3.2, 22-Mar-17

**Detailed Agenda – Thursday, 30<sup>th</sup> March (15:30 – 17:00)**

**Session 3G**

**Plenary: Review of IRAC WG priorities & Next steps**

**Room: Betsy Ross I**

- IRAC ‘pest-based’ working groups (SPWG, lep, coleop, PH, & biotech) prioritizing key resistance risks/issues
  - Non-WG members encouraged to participate & contribute
- Will help Methods Team focus on the largest problems
- Coordinate efforts (Pest pages, communications, methods/videos, etc.)

# Goals and SMART Objectives

Goals	Objectives	Timeline
Establish single contact point for insecticide and acaricide monitoring methods (core activities)	<ul style="list-style-type: none"> <li>• Develop and validate bioassay methods, used to establish susceptibility baselines and monitor resistance, for key agricultural, horticultural, and public health pests.</li> <li>• Expand reference database of non-approved methodologies from the literature.</li> <li>• Continue to maintain and improve confirmed methods.</li> </ul>	Q1-Q4, 2017
To provide IRAC approved methods, so that data generated by independent researchers can be directly compared	<ul style="list-style-type: none"> <li>• Deliver 2 new IRAC approved methods.</li> </ul>	Q4, 2017
Improve communication to target audience (promotional activities)	<ul style="list-style-type: none"> <li>•Initiate new methods video &amp; complete filming (subject TBD).</li> </ul>	Q4, 2017

**Questions?**