

Pest Management Solutions for Specialty Crops and Specialty Uses



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Greetings!

This monthly email provides information about IR-4 program accomplishments, announcements, resources and upcoming events.

Food Use Program

In February, there was one new tolerance obtained for IR-4. The tolerance was for Trifluralin on rosemary. The partial government shutdown that lasted through 1/25/19 directly impacted IR-4/EPA activities. [To view the February report click here.](#)

The 2019 residue and product performance Tentative/Scheduled Studies list is available on the [IR-4 website \(click here\)](#). Preparation of all 2019 draft protocols is in progress, with many already signed. Comments and suggested DRAFT protocol revisions should be directed to the Study Director responsible for the study.

The IR-4 "Week of Workshops" in 2019 has been set for the week of Sept. 22 at the Delta Hotel Baltimore Hunt Valley, Hunt Valley, MD. Agendas, room information, etc., will be communicated in coming months via this monthly report and other means.

International Activities

IR-4 data to JMPR for the 2019 review was submitted in December. IR-4 has submitted blueberry and caneberry reports for penthiopyrad and the Manufacture's submitted a number of reports that included IR-4 data, such as fluazifop-p-butyl (blueberry, caneberry, strawberry); cyantraniliprole (cranberry); clethodim (oil seed, rape/canola; blueberry, caneberry, cranberry brassica vegetables and so on); pendimethalin (blueberry, caneberry, strawberries); boscalid (many crops); chlorothalonil (cranberry); and others.

Hopefully the 2019 submissions will result in Codex MRLs in 2020. The 2019 Codex Committee on Pesticide Residues will be the week of April 9, 2019 in Macao, China

Environmental Horticulture

February was a busy month establishing the 2019 research program, summarizing research from 2018 and earlier, and co-launching a learning module about Woody Plants for Urban Bee Conservation. See below for details.

2018 Research Activities

While some experiments have been delayed due to various circumstances, most research is in progress or completed. We are anticipating receiving more reports from researchers shortly.

2019 Research Activities

Spring has arrived and so has the time for many research experiments to begin. Please note: If you are conducting research with Bayer actives, please place sample requests by April 1. Bayer is moving its sample processing facility and will not be able to send research samples again until fall.

Numbers for February

85% of the research has been received for 2016 projects
78% of the research has been received for 2017 projects
51% of the research has been received for 2018 projects

352 unique visitors viewed 1146 EnvironHort website pages

Research Summaries

During February, we begun summarizing crop safety data for cyflumetofen and picarbutrazox.

SCRI Protecting Pollinators

In February, our research team continued analyzing pollinator attractiveness data on top environmental horticulture crops. We continued analyzing residue samples, and developing comparisons of available tools for key pests of greenhouse crops. We also posted more attractiveness data from published literature into

the online pollinator attractiveness dataset. We also held out annual webinar with our stakeholder advisory team to share ongoing efforts.

Our first major pollinator outreach effort was published!

Dr. Dan Potter, Carolina Simao and the team at The American Phytopathological Society's Plant Management Network (APS PMN) developed a Pollinator Hub with a new learning module focused on Woody Plants for Urban Bee Conservation. This module is based on research conducted by Dr. Bernadette Mach, a recently graduated PhD student of Dr. Potter.

Dr. Mach studied pollinator visitation to numerous woody shrubs and trees in Kentucky by counting the number of insect pollinators and then trapping and identifying 50 from each shrub or tree. This module summarizes the information she collected.

To access this module, visit our [Protecting Bees](#) website or go to the APS PMN Pollinator Hub.

Events

Canadian AAFC/PMC Priority Setting Workshop

Gatineau, QC
Hilton Lac-Leamy
Mar. 19-21

WSR SLR Meeting

Mt. Vernon, WA
April 9-10

NER Regional Mtg.

Univ. of MD, College Park, MD.
April 16

Summer PMC

Zoom meeting 1-4pm ET
July 8 & 9, 2019

IR-4 2019 "Week of Workshops"

Delta Hotels Baltimore Hunt Valley,
Hunt Valley, MD
Week of Sept. 22, 2019



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Integrated Solutions

For the Integrated Solutions priority setting workshop, the top priorities identified were: damping-off in hemp, bacterial disease control in onions, parasitic weed control in processing tomato, cucumber beetle control in watermelon, wireworm control in sweet potato, and verticillium wilt control in eggplant. IR-4 believes that this Integrated Solutions approach, being a hybrid of the Food Use Pest Problems without Solutions research (PPWS) and elements of the traditional Biopesticide research program, will better service the needs of the IR-4 stakeholders. These priorities will serve as a roadmap for 2019, and help to address several high priority pest management voids for the grower community. We have just launched the Integrated Solutions Request Form (http://ir4app.rutgers.edu/ir4FoodPub/IS/ls_reqForm.aspx). It can be found as the "Submit a Request" link near the top of the page here: http://ir4app.rutgers.edu/ir4FoodPub/IS_Search.aspx.

Biopesticide Program

Research plans are being developed based on the priorities that were selected at the Biopesticide Workshop. In cooperation with university researchers, USDA-ARS and IR-4 Regional Coordinators, teleconferences have been held to develop studies on spotted wing drosophila in blueberry, downy mildew in organic basil, weed control screening, viruses and viroids in tomato and bacterial diseases of tomato.

Regulatory successes in 2018 included the registration of 2 new active ingredients with EPA.

KM1110 WDG is a water dispersible granule that contains the yeast *Metschnikowia fructicola* strain NRRL Y-27328 and prevents post-harvest decay in certain fruit and berries caused by *Botrytis cinerea*, *Monilinia* spp., and *Rhizopus* spp.

Pepino-mosaic virus strain CH2 isolate 1906 (Mild strain of pepino mosaic virus) for use in tomato. This weak strain of the virus is a form of vaccine that prevents the development of the disease Pepino Mosaic virus.

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