

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 December, there were 50 new tolerances obtained for 185 new uses for Clomazone, 6-Benzyladenine, Mefenoxam, and Tolfenpyrad. [View the December report here](#). For the year, EPA posted over 900 new uses based on IR-4 data by reviewing 27 active ingredients.

The 2019 residue Tentative/Scheduled Studies list is available on the [IR-4 website \(click here\)](#). Preparation of all 2019 draft protocols is in progress, with a few 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 these will result in Codex MRLs in 2020. The tentative date for the Codex Committee on Pesticide Residues will be the week of April 9, 2019.

Environmental Horticulture

2018 Research Activities

During December, we completed the SP1770 crop safety summary for a total of 21 posted summaries during 2018.

2019 Research Activities

The RFCs and HQ Staff developed a preliminary 2019 research plan. RFCs will be contacting researchers shortly about individual trial lists. Please note: If examining Fiesta Herbicide crop safety is part of your trial lists, crops may shift slightly due to a discussion during the January 2019 NEPPSC.

Numbers for December

85% of the research has been received for 2016 projects
76% of the research has been received for 2017 projects
38% of the research has been received for 2018 projects

136 unique visitors viewed 736 EnvironHort website pages

Research Summaries

During December, we completed the crop safety summary for SP1770 for a total of 21 posted summaries for 2018.

Invasive Species

In December, we submitted the final annual research report to APHIS for boxwood blight.

SCRI Protecting Pollinators

In December, 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.

Events

Spring PMC/CLC Meeting

Washington, DC
March 12-14

Canadian AAFC/PMC Priority Setting Workshop

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

WSR SLR Meeting

Mt. Vernon, WA
April 9-10

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.

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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