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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 November, there were 14 new tolerances obtained for 47 new uses for Cy antraniliprole. [View the November report here.](#)

The 2019 residue Tentative/Scheduled Studies list is now available on the IR-4 website ([click here](#)), and 2019 performance research plans are still being finalized. Preparation of all 2019 draft protocols is in progress, with a few already signed.

The 2019 residue study plan includes about 60 new Magnitude of Residue studies, and about 430 field trials, including carry-over trials from active studies and 31 trials from AAFC/PMC to support about 15 new US/Canada joint studies. The performance ([efficacy and crop safety](#)) research plan (about 45 projects and 95 trials) includes trials where a tolerance is established, where a residue study is ongoing, or to work on the highest priority (H+) projects, which could provide sufficient data to make these project requests researchable for future residue work or add crops/pests to labels.

The IR-4 "Week of Workshops" in 2019 has been set for the week of Sept. 22 at the Delta

Environmental Horticulture

2018 Research Activities

During November, we continued to receive and process research from the 2018 experiments and from previous years.

2019 Research Activities

The research portal closed the end of November, and we are beginning to develop the 2019 research plan.

Numbers through November

85% of the research has been received for 2016 projects
 76% of the research has been received for 2017 projects
 31% of the research has been received for 2018 projects
 243 unique visitors viewed 1,246 EnvironHort website pages

Research Summaries

During November, we completed crop safety summaries for Acibenzolar and Pseudomonas chlororaphis.

Invasive Species

Hotels Baltimore Hunt Valley, Hunt Valley, MD - stay tuned for future announcements.

In November, we started to compile the final annual research report to APHIS for boxwood blight.

SCRI Protecting Pollinators

In November, 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 attended the annual Entomology Society of American meeting and presented project status.

International Activities

2018 Joint FAO/WHO Meeting on Pesticide Residues was held in Berlin, Germany 18-27 September 2018. They reviewed 19 compounds for MRLs. The report should follow by the end of the year. Data Generators are now in the process of making submissions for the 2019 JMPR, data submissions are due December 20th. IR-4 has submitted blueberry and caneberry reports for penthiopyrad Codex MRLS and the Manufacture's have 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 Codex Committee on Pesticide Residues is the week of April 9, 2019.

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

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, verticillium wilt control in eggplant and nematode control to avoid tuber decay in yam. 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 the 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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