

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 March, there were two tolerances obtained through IR-4 research efforts. The tolerances were for S-Metolachlor on Stevia, Swiss chard, Kohlrabi, Leaves of root and tuber vegetables except sugar beet group 2, Brassica leafy greens subgroup 4-16B, Head and stem Brassica vegetable group 5-16, Cotton seed subgroup 20C, Stalk and stem vegetable subgroup 22A except kohlrabi, Leaf petiole vegetable subgroup 22B. And for Mandipropamid on Edible podded bean and cow pea, Citrus fruit group 10-10, Head and stem Brassica vegetable group 5-16, Leafy vegetable group 4-16, Leaf petiole vegetable subgroup 22B, Celtsuce, Florence fennel, Kohlrabi.

[To view the March 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 2019 "Week of Workshops" is set for the week of Sept. 22 at the Delta Hotel Baltimore Hunt Valley, Hunt Valley, MD. The first announcement went out via email and Constant Contact April 9. Final agendas and other important information 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,

Environmental Horticulture

2019 Research Activities

Spring has arrived and so has the time for many research experiments to begin. The first 2019 research reports have been received with greenhouse crop safety experiments.

Numbers for March

79% of the research has been received for 2017 projects

54% of the research has been received for 2018 projects

2% of the research has been received for 2019 projects

241 unique visitors viewed 1087 EnvironHort website pages

Research Summaries

During March, we posted crop safety summaries for cyflumetofen and picarbutrazox, and the 2019 Botrytis Efficacy Summary was posted. We started summarizing efficacy for Algal Leaf Spot.

SCRI Protecting Pollinators

In March, our research team continued planning for summer field research.

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

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 met during week of April 9, 2019 in Macao, China.

Events

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

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/Is_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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