



Newsletter Extension

Fruit ICM News

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IR-4: Increasing Pest Control Options for Minor Crops and Minor Uses

Source: <http://pestdata.ncsu.edu/ir-4/introduction.html>

Definitions

Minor Crops

A minor crop is defined as any crop grown on 300,000 acres or less. This includes most vegetables, fruit, nuts, herbs, spices, nursery and landscape plants, and flowers. Almost all food crops are minor crops, except for the large acreage crops like corn, soybeans, wheat, oats, rice and cotton. Minor crops account for over 40 billion dollars in annual sales, which is about forty percent of the total agricultural sales for the U.S.

Minor Uses

Minor uses involve limited pest control treatments to large acreage crops like corn, soybeans and small grains, due to localized, infrequent, or sporadic pest problems.

Why is There Limited Availability of Pest Control Products for Minor Crops and Minor Uses?

Development, testing, registration, and personnel time are huge expenses for the registrant of a pest control product. To maximize the return on investment, most pest control products are targeted on major acreage crops where there is potential for large sales. Thus, minor crops and minor uses end up with fewer pest control options despite their high value in the marketplace.

What is the IR-4 Project?

Lack of available pest control products for minor food crops is not new. Directors of state agricultural experiment stations recognized the problem in 1963. Working with the U.S. Department of Agriculture (USDA), they organized the Interregional Research Project No. 4, commonly known as IR-4, to help minor crop producers obtain tolerances and registrations for pest control products. IR-4 is called the "minor use" program. It is a government and university sponsored program to develop the data necessary for submitting minor crop pest control options to the Environmental Protection Agency (EPA) for approval. Through the years IR-4's mission has expanded to include ornamentals and biopesticides (including microbials like bacteria and viruses, and biochemicals like pheromones and growth regulators), but the goal has remained the same. IR-4 works with farmers, agricultural scientists, commodity organizations, and extension personnel to provide pest management solutions to growers of minor crops. IR-4 receives major funding from the USDA, from both the Cooperative State Research, Education and Extension Service (CSREES) and the Agricultural Research Service (ARS).

What Makes IR-4 So Successful?

IR-4's success can be measured by the large number of minor crop pest control clearances established or retained as a result of IR-4's efforts. Over 5,000 food-use clearances, over 7,000 ornamental clearances, and over 100 biopesticide clearances have been established since 1963. This quantity is over 40% of the total number of clearances granted by EPA. As the Food Quality Protection Act (FQPA) threatens to restrict or eliminate many long-standing pest control products, IR-4 is focusing on "reduced risk" and safer chemistry to ensure that producers of minor crops have an adequate toolbox of pest control products, both traditional pesticides and biopesticides.

Can IR-4 Help You?

IR-4 is a grass roots organization where pest management needs, in the form of clearance requests, are initiated by individual growers, grower organizations, nurserymen, agricultural scientists, and extension personnel. In addition, there is a network of state and federal IR-4 liaison representatives throughout the United States and its Territories, available to help with your minor use needs. The IR-4 network also includes regional field and laboratory research centers staffed with scientists who carry out testing necessary to provide data for clearance petitions.

IR-4 News Briefs, October 2001

Source: <http://pestdata.ncsu.edu/ir-4/>

Prepared by Sandy Perry, IR-4 National Outreach Specialist, 517-432-5999, perrys@msue.msu.edu

IR-4 (Interregional Research Project No. 4) is the principal publicly funded effort to gain EPA-approved tolerances for safe and effective pest control products on specialty food crops such as fruits, vegetables, herbs, and others. IR-4 also develops data to assist in the registration of pest control tools for floral, forestry, nursery, and turf crops. With funding and support from USDA (both CSREES and ARS) and State Agricultural Experiment Stations, IR-4 coordinates a grass roots effort to provide pest control product alternatives compatible with minor crop integrated pest management programs. For more information about IR-4, see this web site. The following items are summaries of recent activities by or relating to IR-4.

EPA Releases the Minor Use Report. EPA's Report on the Minor Uses of Pesticides, mandated by the FQPA amendment to FIFRA, has been released. The report, authored by EPA Minor Use Team Leader Pat Cimino, details EPA's efforts to increase responsiveness to minor crop concerns and expedite registrations for minor use chemicals and biopesticides. It also outlines the coordinated approach being used by EPA, USDA, and the Department of Health and Human Services (DHHS) for dealing with minor use issues. EPA in partnership with IR-4 has aggressively sought to increase pest control registrations for minor uses. Over 80% of IR-4's new registrations have been for reduced-risk chemicals and biopesticides. To access the document, go to <http://www.epa.gov/pesticides>, on the Home Page select "Pesticide Use," then select "Minor Use Report". For more information contact Pat Cimino, cimino.pat@epa.gov.

EPA tolerances resulting from IR-4 petitions: 7/1/01 to 9/28/01 (only those affecting fruit crops are listed)

- Azoxystrobin: mint, watercress, grass seed, strawberry, persimmon, pawpaw, many tropical fruits, Crop Group 13-B (bushberry including blue-/lingon-/Juneberry and salal)
- Carfentrazone: caneberry
- Mefenoxam: globe artichoke, fresh and dried herbs, lingonberry, kiwifruit
- Paraquat: persimmon, Crop Subgroup 13-B (bushberry), cranberry, Crop Group 11 (pome fruit), Juneberry, lingonberry, Crop Group 14 (tree nuts), okra, pistachio, salal, strawberry, Crop Group 7 (foliage of legume vegetables), Crop Group 2 (leaves of root and tuber vegetables)

*For more details on the Crop Grouping scheme, see *Food and Field Crops of the United States, 2nd Edition, Revised*. G.M. Markle, J.J. Baron, and B.A. Schneider

EPA Section 18 Time Limited Tolerances (using IR-4 data) approved for requesting states:

7/1/01 to 9/28/01

- Azoxystrobin: lychee
- Fludioxonil: pomegranate
- Propiconazole: cranberry
- Sulfentrazone: strawberry
- Tebufenozide: grape
- Tebufenozide: longan, lychee

Terminal Market Price Notes

The intent of listing terminal market prices is to provide information available in the public domain. It is not intended for price setting, only to assist growers in evaluating the value of their crops. Producers need to remember that the prices listed are gross, and consideration must be given to marketing costs, including commission, handling charge, gate fees, and possible lumper fees.

Terminal Market Wholesale Fruit Prices October 17, 2001

Sources:

Chicago http://www.ams.usda.gov/mnreports/HX_FV010.txt

Detroit http://www.ams.usda.gov/mnreports/DU_FV010.txt

Pittsburgh http://www.ams.usda.gov/mnreports/PS_FV010.txt

	Chicago	Detroit	Pittsburgh
Apples, cartons, traypack			
U.S. Fcy Red Delicious			NY 113s 16.25 125s 16.25
No grade marks Jonathan	MI 88s 16.00-18.00 100s 16.00-18.00		
No grade marks Paula Red	MI 88s 16.00 100s 14.00-16.00		
Apples, cartons celpk			
U.S. Extra Fancy McIntosh		NY 120s 15.50-16.00	NY 100s 18.25 120s 18.25
U.S. Fancy McIntosh			NY 80s 10.00-12.00 100s 10.00-12.00 120s 10.00-11.00
U.S. Fancy Paula Red	WI 112s 15.00		
Apples, cartons, 12 3-lb filmbags			
U.S. Fancy Empire		MI 2½" min. 10.00	PA 2¼" min. 10.00- 12.00
U.S. Fancy Golden Delicious	MI 2¼" up 11.00		PA no size mark 10.25
U.S. Fancy Jonathan			PA 2¼" min. 10.00- 12.00
U.S. Fancy Paula Red	WI 2½" min. 10.50		
U.S. Fancy Jersey Mac	WI 2½" min. 10.50-11		
U.S. Fancy McIntosh			NY 2½" min. 10.50- 11.50
U.S. Fancy Red Delicious	MI 2¼" up 10.00		NY 2 ½" up 11.50- 12.50 PA 2 ½" min. 10.25
U.S. Fancy Rome			PA 2¼" min. 10.25
U.S. ExFancy Empire		MI 2½" min. 11.00- 12.00	
U.S. ExFancy Fuji			NY 2 ½" up 12.00

U.S. ExFancy Gala		MI 2½" min. few 13.50	
U.S. ExFancy Golden Delicious		MI 2½" min. 10.00-12.00	
U.S. ExFancy Jonagold			NY 2 ½" up 12.00
U.S. ExFancy Jonathan		MI 2½" min. 11.00-12.00	
U.S. ExFancy McIntosh		MI 2½" min. 10.00-12.00	
U.S. ExFancy Red Delicious		MI 2½" min. 10.00-12.00	NY 2 ½" up 12.00
U.S. ExFancy Rome		MI 2½" min. 10.50-11.00	
Apples, bushel cartons, loose			
U.S. Fancy Empire		MI 2¾" up 11.50-12.00 MI 2½" up 11.50-12.00	
U.S. Fancy Gala	MI 2¼" up 12.00 one label 13.00-14.00		
U.S. Fancy Golden Delicious	IL 2¼" up 12.00 MI 2¼" up 13.00-14.00	MI 2¾" up 11.50-12.00 3" min. 11.50-12.00 2½" up 11.50-12.00	
U.S. Fancy Jonagold		MI 3" min. 11.50-12.00	
U.S. Fancy Jonathan	MI 2¼" up 12.00		
U.S. Fancy McIntosh		MI 2¾" up 11.50-12.00 MI 3" min 11.50-12.00 MI 2½" up 10.00	
U.S. Fancy Northern Spy		MI 2¾" up 14.50-15.00	
U.S. Fancy Paula Red	IL 2¼" up 12.00		
U.S. Fancy Red Delicious		MI 2¾" up 11.50-12.00 3" min 11.50-12.00 2½" up 9.50-10.00	
U.S. Fancy Rome		MI 3" min. 11.50-12.00	
No grade mark Gala			MI no sz mark 10.25-11
No grade mark Golden Delicious			MI no sz mark 10.25-11 PA no sz mark 10.00-12
No grade mark Jonagold			MI no sz mark 10.25-11 PA no sz mark 10.00-12
No grade mark Rome			MI no sz mark 10.25-11

No grade marks Red Delicious	MI 2¼" up 13.00	MI no sz mark 10.50-11 PA no sz mark 10.00-12
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Information presented above and where trade names are used, they are supplied with the understanding that no discrimination is intended and no endorsement by Ohio State University Extension is implied. Although every attempt is made to produce information that is complete, timely, and accurate, the pesticide user bears responsibility of consulting the pesticide label and adhering to those directions.

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