

Multi-disciplinary expansion of an on-line insecticide/acaricide label
reference site for southeastern crops

2007 Southern Small Fruit Consortium Progress Report
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Extension

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Objective: Expand our existing CDMS-based tree fruit pages for insecticides & miticides, which have for several years been available on the University of Georgia, Department of Entomology Fruit IPM page. We proposed broadening these on-line reference pages to include small fruit and to develop pages for fungicides and herbicides.

Justification: Our tree fruit pages have been well received by growers who felt they facilitated better pesticide safety and stewardship by providing easier access to commodity-specific information.

Methodology: The site is organized by commodity and active ingredient (AI). For each AI we have numerical resistance management designation (IRAC, FRAC, HRAC), trade names, electronic labels, re-entry intervals and pre-harvest intervals.

Fruit Pest Management & Culture [<http://www.ent.uga.edu/fruit.htm>]

Fruit & Nut Pesticide Labels and Use Restrictions

- [*Peach*](#)
- [*Nectarine*](#)
- [*Plum*](#)
- [*Cherry*](#)
- [*Apple*](#)
- [*Pear*](#)
- [*Mayhaw/Haws*](#)
- [*Blueberry*](#)
- [*Strawberry*](#)
- [*Grape*](#)
- [*Blackberry*](#)
- [*Raspberry*](#)
- [*Figs*](#)
- [*Pecan*](#)
- [*Black Walnut*](#)
- [*Chestnut*](#)

Blueberry Fungicide Labels & Use Restrictions
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<http://www.ent.uga.edu/fruit.htm>

Based on labels as seen on CDMS (<http://www.cdms.net/LabelsMsds/LMDefault.aspx?t=>) and Greenbook (<http://www.greenbook.net/>) websites (last referenced 9/20/2007). UGA provides this compilation to minimize the risk of off-label pesticide use. Always refer to the actual product label, which is the definitive guide for safe, legal pesticide use.

Active ingredient	FRAC group #	Trade name	Manufacturer	Re-Entry Interval (REI)/ Pre-Harvest Interval (PHI)
azoxystrobin	11	Abound FL	Syngenta	4 hrs/day of harvest
captan	M4	Captan 50W	Drexel	72 hrs/day of harvest
		Captec 4L	Micro Flo	72 hrs/day of harvest
captan + fenhexamid	M4 + 17	CaptEvote 68 WDG	Arysta LifeScience	72 hrs/day of harvest
chlorothalonil	M5	Bravo Ultrex	Syngenta	12 hrs/
		Bravo Weather Stik	Syngenta	12 hrs/
cyprodinil + fludioxonil	9 + 12	Switch 62.5WG	Syngenta	12 hrs/day of harvest
fenbuconazole	3	Inder 75 WSP	Dow AgroSciences	12 hrs/30 days
fenhexamid	17	Elevate 50WDG	Arysta LifeScience	12 hrs/day of harvest
fosetyl-L-al	33	Aliette WDG	Bayer CropScience	12 hrs/12 hrs

Results: Delays and frustration were encountered as we initiated this project. As a result, our goal of completing the small fruit pages (insecticides, fungicides & herbicides) has not yet been met. An explanation of the challenges we have faced and our responses follow:

1. After we submitted our proposal, the CDMS web site on which this reference is based, was dramatically re-organized. For a period of time the information we needed was not available via CDMS, which is the most comprehensive of several sources. When CDMS made this previously gratis resource available again, we promptly paid the \$700/year fee. However, their re-organized site made it more difficult to determine recent label changes, which has made the task of posting label changes much more labor intensive.
2. We have begun to utilize the on-line Greenbook as an alternative source of label information. While Greenbook is easier to use than the current CDMS reference, it is less complete.
3. Our initial requests for feedback from the plant pathologists and weed scientists assigned to particular crops have not always been honored. After the 2008 IPM guides are complete, we will create lists of the federally labeled fungicides and herbicides. I will then send these labels to the appropriate specialists with the request for their inputs.

The table which follows shows our progress to date (December 2007):

Commodity	Insecticides/ Miticides	Fungicides	Herbicides
Peach	X	X	X
Nectarine	X		
Plum	X		
Cherry	X		
Apple	X		
Pear	X		
Mayhaw	X		
Blueberry	X	X	
Strawberry	X		
Blackberry	X	X	
Raspberry	X	X	
Fig	X		
Pecan	X		
Black Walnut	X		
Chestnut	X		

Conclusions: Our award was through March of 2008. We are continuing to work on this task. However, the individual who actually does the work is also a key resource for annual updates of our regional tree and small fruit IPM guides.

Impact: Upon completion of the small fruit pages we will make a more public announcement via the Small Fruit Consortium to highlight its availability to growers and other IPM practitioners.

2008 Proposal: We will resubmit for funding in 2008, as feedback from growers and county agents has indicated these pages are providing a valued pesticide safety and stewardship resource.