



by Brian A. Krug
brian.krug@unh.edu

e-GRO App for Selecting Fungicides

With the new e-GRO Disease Control Guide, you can have a resource to help you with your fungicide applications in your pocket.



A new addition to the e-GRO.org resources is now available for free. With the help of Cheryl Smith, Plant Health Specialist at the University of New Hampshire Cooperative Extension the e-GRO Disease Control app was developed. This web app will assist you in determining what fungicide to use on specific diseases. Successful use of the app assumes that you know which disease is affecting your crop, it is always recommended to have any disease positively identified as the control measure depends on correct identification.

Below is a pictorial tour of the e-GRO Disease Control Guide. To view the guide on your device go to www.egro.mobi.

A screenshot of an iPad displaying the e-GRO Disease Control Guide. The screen shows the e-GRO logo with "Electronic Grower Resources Online" and a pull-down menu for "DISEASE CONTROL GUIDE". The menu is titled "Select Disease Problem" with the instruction "From the pull down menu, select the disease you want to control." A dropdown menu is open, showing the option "Choose From". The top of the screen shows a navigation bar with icons for back, forward, search, and other functions, along with the time "9:39 PM" and battery level "37%".

Shown here is the opening screen of the Disease Control Guide as seen on an iPad

e-GRO Alert

www.e-gro.org

CONTRIBUTORS

Dr. Nora Catlin
Floriculture Specialist
Cornell Cooperative Extension -
Suffolk County
nora.catlin@cornell.edu

Dr. Kristin Getter
Floriculture Outreach Specialist
Michigan State University
getterk@msu.edu

Dan Gilrein
Entomology Specialist
Cornell Cooperative Extension -
Suffolk County
dog1@cornell.edu

Dr. Brian Krug
Floriculture Ext. Specialist
Univ. New Hampshire
brian.krug@unh.edu

Dr. Joyce Latimer
Floriculture Extension & Research
Virginia Tech
jlatime@vt.edu

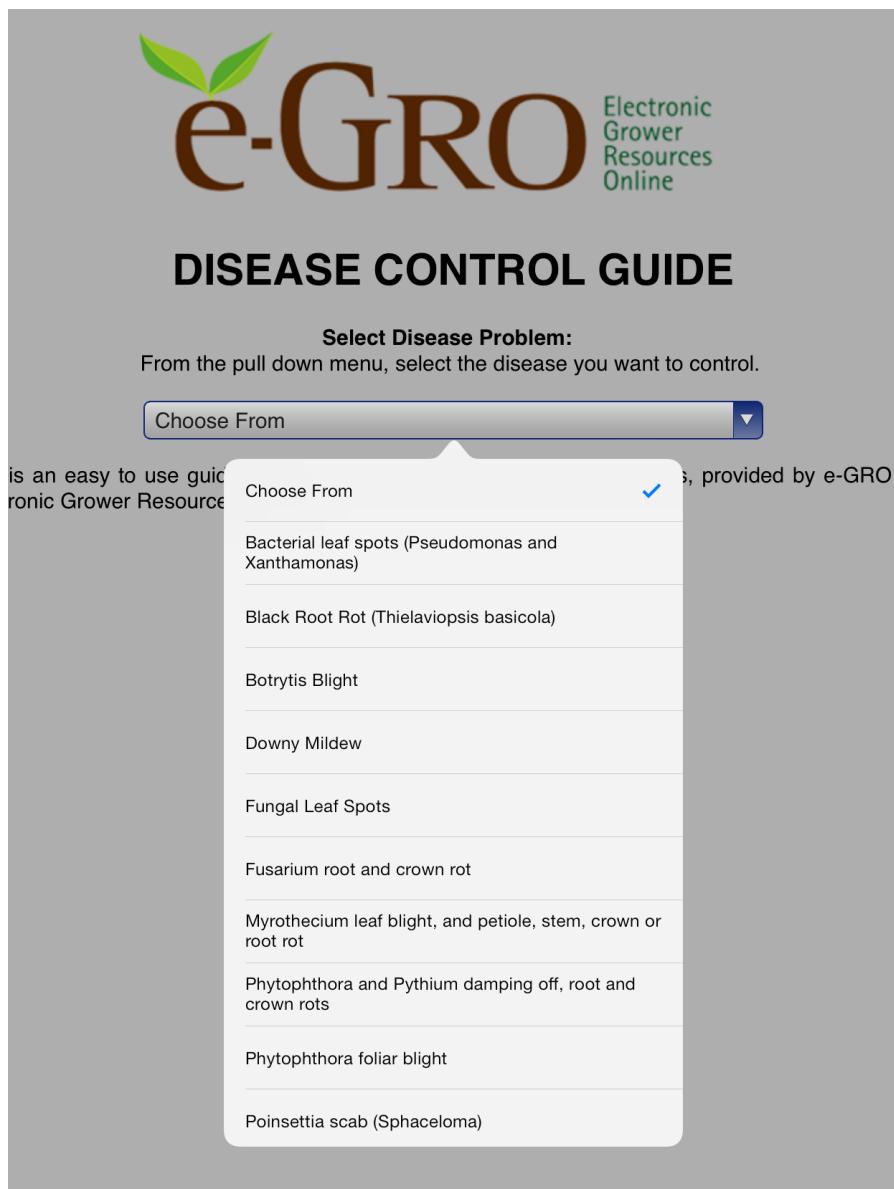
Dr. Roberto Lopez
Floriculture Extension Specialist &
Research
Purdue University
rglopez@purdue.edu

Dr. Paul Thomas
Floriculture Extension & Research
University of Georgia
pathomas@uga.edu

Dr. Brian Whipker
Floriculture Extension & Research
NC State University
bwhipker@ncsu.edu

Copyright © 2014

Where trade names, proprietary products, or specific equipment are listed, no discrimination is intended and no endorsement, guarantee or warranty is implied by the authors, universities or associations.



The screenshot shows the e-GRO Disease Control Guide interface. At the top, there's a large logo with two green leaves above the word "e-GRO" in a stylized font, with "Electronic Grower Resources Online" in smaller text to the right. Below the logo is the title "DISEASE CONTROL GUIDE". Underneath the title, a section titled "Select Disease Problem:" with the sub-instruction "From the pull down menu, select the disease you want to control." is visible. A dropdown menu is open, showing a list of diseases. The list includes: Bacterial leaf spots (Pseudomonas and Xanthomonas), Black Root Rot (Thielaviopsis basicola), Botrytis Blight, Downy Mildew, Fungal Leaf Spots, Fusarium root and crown rot, Myrothecium leaf blight, and petiole, stem, crown or root rot, Phytophthora and Pythium damping off, root and crown rots, Phytophthora foliar blight, and Poinsettia scab (Sphaceloma). A checkmark is visible next to the first item in the list.

Click (when using a computer) or tap (when using a mobile device) on the "Choose From" drop-down menu. You will see a listing of diseases. You may have to scroll down to find the disease you are interested in. The format of the list may depend on the device you are viewing it on. In this case, an iPad. On other devices, such as an iPhone, the list may appear as a 'scroll wheel'.

Cooperating Universities



Cornell University
Cooperative Extension
of Suffolk County



College of Agricultural and Environmental Sciences
College of Family and Consumer Sciences



In cooperation with our
local and state greenhouse
organizations



Verizon 6:34 AM egro.mobi 6%

e-GRO

Electronic Grower Resources Online

Black Root Rot (*Thielaviopsis basicola*)

Pick One:
Please select from the listed control options to obtain additional info.

Choose From

Choose From

- etradiazole plus thiophanate-methyl (Banrot 40W)
- fludioxonil plus mefenoxam (Hurricane)
- fludioxonil (Medallion WDG)
- thiophanate-methyl (AllBan Flo)
- thiophanate-methyl (3336 50 WP)
- thiophanate-methyl (3336 F)
- thiophanate-methyl (OHP 6672 50 WP)
- thiophanate-methyl (OHP 6672 4.5 L)
- thiophanate-methyl (TM 4.5 F)
- thiophanate-methyl (TM 85 WDG)

Once you have chosen a disease to control a second choice needs to be made, the fungicide that you want to use. The disease control app will only give you choices that are labeled for the disease you initially selected. You can use this list to determine what fungicide that you already have on hand to use, or which one you should order from your distributor.

The screenshot shows a mobile browser interface with the following details:

- Top status bar: Verizon, 9:40 PM, egro.mobi, 37% battery.
- Header: e-GRO Disease Control Guide
- Logo: e-GRO Electronic Grower Resources Online
- Title: Black Root Rot (Thielaviopsis basicola)
- Product Information:
 - Common Name: etradiazole plus thiophanate-methyl
 - Trade Name: Banrot 40W
 - FRAC Code: 1 & 14
 - Company: Everris NA, Inc.
 - EPA: 58185-10
 - REI: 12
 - Rate / 100gal (Rate / 50gal): 6-12 oz
 - Rate per gallon: N/A
- Usage Instructions: Apply a sufficient amount to saturate soil. Irrigate immediately after application. Repeat at 4-12-week intervals. Is not as effective against Thielaviopsis as thiophanate-methyl-only products with a greater amount of active ingredient.

Finally, you will be provided with the information that you need to apply the fungicide you selected. Not only is the rate given but much of the other information that you'll need to have to fill out your pesticide application record is also listed including, manufacturer, re-entry interval (REI), and the EPA registration number. An additional piece of information is the Fungicide Resistance Action Committee code or FRAC code. This number(2) categorize fungicides by their mode of action to help you rotate fungicides by mode of action to manage resistance.

Note - the use of Trade-name products does not imply endorsement of these products nor an intention to discriminate against products not mentioned.

Here is a list of a few things to keep in mind when using any pesticide

- **The Label is the Law.**
- **The products listed here may not be registered in all states. Please check with your state pesticide registration agency or Cooperative Extension to see if a particular product is registered in your state.**
- **Read the pesticide label even if you've used the pesticide before.**
- **Wear protective clothing and personal safety devices as recommended on the label**
- **Be cautious when you apply pesticides. Know your legal responsibility as a pesticide applicator. You may be liable for injury or damage resulting from pesticide use.**
-

We would like to thank Cheryl Smith at the University of New Hampshire Cooperative Extension for help on this app as well as Bill Teale of Signature Web Design his work on programming the app.

**Subscribe to e-GRO
Alert**

Text "egro" to 22828

or

visit e-GRO.org