by Brian A. Krug
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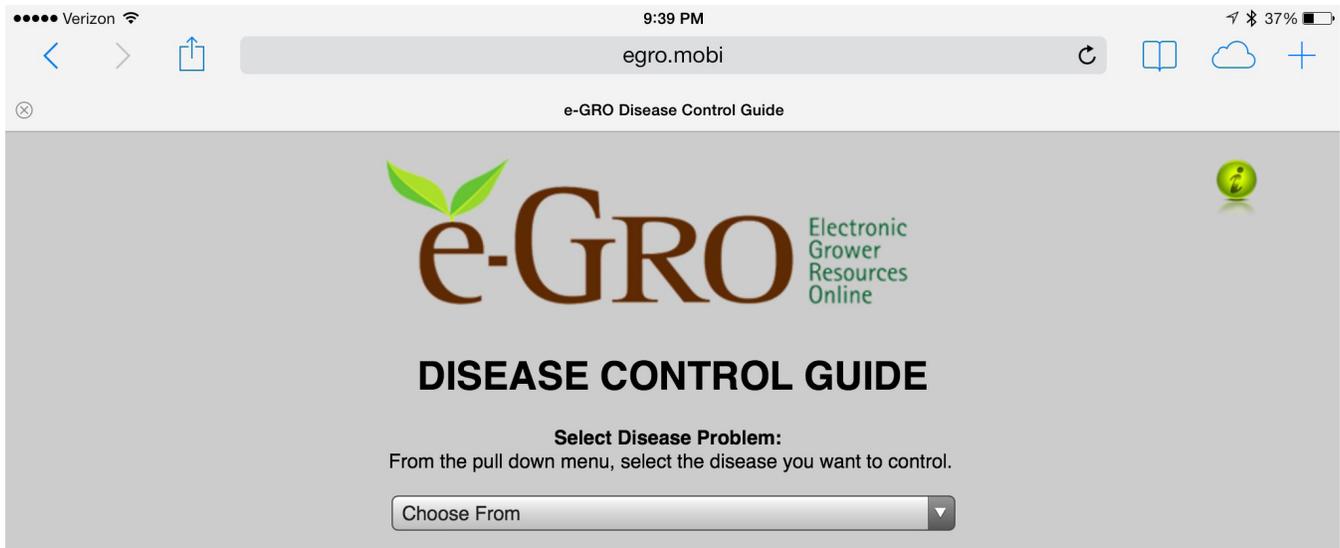
e-GRO App for Selecting Fungicides

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

American Floral Endowment

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   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.

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

DISEASE CONTROL GUIDE

Select Disease Problem:
From the pull down menu, select the disease you want to control.

Choose From ▼

...is an easy to use guid... ..s, provided by e-GRO ...ronic Grower Resource...

Choose From ✓

Bacterial leaf spots (Pseudomonas and Xanthamonas)

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

Poinsettia scab (Sphaceloma)

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'.
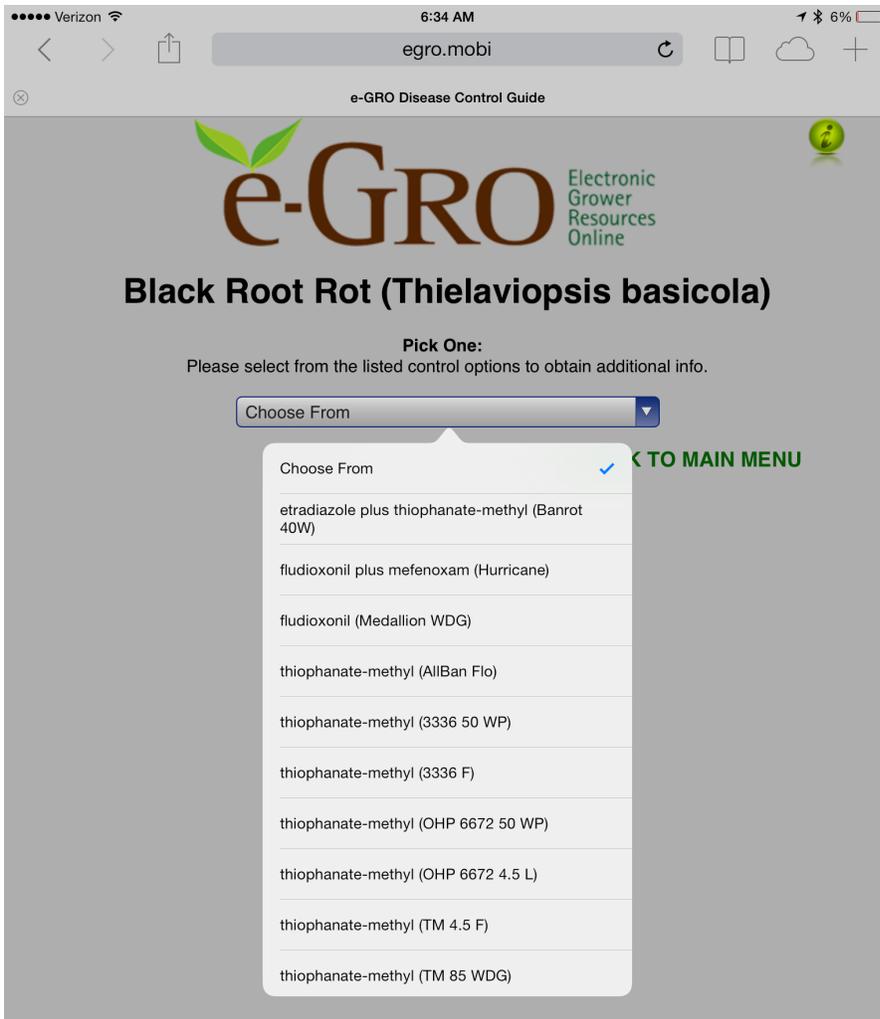
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Black Root Rot (Thielaviopsis basicola)

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)	

TO MAIN MENU

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

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egro.mobi

e-GRO Disease Control Guide

e-GRO Electronic Grower Resources Online

Black Root Rot (Thielaviopsis basicola)

<< Back to list

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

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 peice of imformation is the Fungicide Resistance Action Committee code or FRAC code. This number(2) categorize fungicides by thier 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.**
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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.

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