



BioWorks®
How You Grow Matters™



Controlling Root Aphids with BotaniGard®

Suggestions for using BotaniGard® ES or BotaniGard® 22WP for Root Aphid Control:

- Use either BotaniGard ES or BotaniGard 22WP. Mycotrol® O for organic growers can be tried, but we have less experience with that formulation as a root ball dip.
- Rates are the highest labeled rates (2 qt/100 gallons water for ES and 2 lb/100 gallons water for 22 WP)
- Growers have reported the best results from soaking the root ball in the BotaniGard dilute solution by dipping for at least 10 minutes. One grower reported soaking his plants for 4 hours without any injury to the roots.
- Drenching is not considered as good an option, due to concern that the solution might miss those root aphids which are directly beneath the root crown of the plant or where the roots and stem meet. There is a possible umbrella effect.
- Delay irrigation for at least 24 hours after making a BotaniGard application
- At least 2 or 3 applications are suggested 3 to 5 days apart
- It is not recommended to run BotaniGard through the nutrient solution. The spores die fairly quickly and it is unlikely to make contact with all the roots and root aphids.
- Also make up a spray solution to treat the foliage because root aphids have a flying, foliar form as well
- All plants must be treated. If growing hydroponically, clean up the stock tank, all troughs and anything the plants contact.

Some Root Aphid References:

<http://faculty.ksu.edu.sa/1882/Documents/502home08/6c-root%20aphids.doc>

http://www.umass.edu/umext/floriculture/fact_sheets/pest_management/aphids.html

NOTE: Use caution when making BotaniGard applications to open blooms, especially on varieties known to be sensitive. It is recommended that a small group of plants be tested for effects on open blooms before making applications to the whole crop.

Always read and follow label directions.

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