



**Greenhouse Pest Message Feb 23, 2023**

**Leanne Pundt, UConn Extension**

**Newly Revised and Updated Publication on Herbs Now Available:**

**Pest Management for Herb Bedding Plants Grown in the Greenhouse**

Focusing on key diseases, insects, mite pests and disorders found on herb bedding plants grown in the greenhouse. First published in 2005, this publication has been updated to include new pests as well as more in-depth and up to date information on sustainable and biologically based options for pest and disease management. Includes 90 color photographs.

**Here is the direct link on the UConn IPM webpage:**

<https://ipm.cahnر.uconn.edu/herbs-greenhouse/>



Figure 1 & 2 & 3: Powdery mildew on rosemary, Aphids on basil and Pythium Root Rot on lavender (from left to right). Photos by L. Pundt

If you go to the **UConn Greenhouse IPM webpage:**

<https://ipm.cahnر.uconn.edu/greenhouse/>

and then go to publications and then herb transplants,

you will see this publication as well as additional resources such as:

**Scouting Guidelines and Biological Control Options for Herb Bedding Plants** <https://ipm.cahnر.uconn.edu/herbs-greenhouse/>

**Some Selected Fungicides labeled for use on herb bedding plants** <https://ipm.cahnر.uconn.edu/herbs-greenhouse/>

**Some Selected Insecticides and Miticides labeled for use on herb bedding plants** <https://ipm.cahnر.uconn.edu/herbs-greenhouse/>

**Continue to Monitor for Aphids**

With the warmer winter temperatures, **aphids** seem to be the primary pest so far. Keep an eye out on their favorite hosts such as pansies, Easter Lilies, calibrachoa, geraniums (ivy and zonal), *Ipomoea*, leafy greens, etc.

Some options for management include: Aria (29), Endeavor (9A), Pradia (29 & 28), Mainspring (28) (preventive drench), Altus (4D), Rycar (9D), Ventigra (9D).

For additional materials labeled for aphids, consult the most recent edition of the *New England Greenhouse Floriculture Guide: A Management Guide for Insects, Diseases, Weeds and Growth Regulators* available online at <http://negfg.uconn.edu/>

### **Plugs: Too Wet or Too Dry? Or Both?**

Watering is the most important task in the greenhouse, but everyone knows how hard it can be to train new employees on when and how much to water. Are you a “wet” grower? Or are you a dry grower? How do you communicate how you want your young plugs watered?

**Use the 1 to 5 plug tray moisture scale** to train your employees on watering young plugs with 1 being bone dry to 5 being completely saturated.



Go to Back Pocket Grower and then to training and then to irrigation. [https://www.backpocketgrower.org/m325\\_8.htm](https://www.backpocketgrower.org/m325_8.htm)

### **Pesticide Compatibility with Biological Control Agents**

The major suppliers of biological control agents have developed “side effects” databases, either online or as downloadable apps. These side effects databases list a range of toxicity from not harmful (less than 25 % reduction), to moderately harmful (25 to 50 % reduction), to harmful (50 to 75 % reduction) to very harmful (greater than 75% reduction).

When consulting the side effect databases, you may notice different results for the same active ingredient depending upon the source. Be cautious and follow the most conservative results. If the information you are looking for is not listed in one of the databases, contact your biological control supplier for more information.

Refer to online databases or apps such as those maintained by:

- Koppert’s online interactive database: <https://www.koppertus.com/side-effects-database/>
- Biobest: <https://www.biobestgroup.com/en/side-effect-manual>
- Bioline Agrosiences <https://www.biolineagrosiences.com/> (download Bioline app)

- BASF <https://betterplants.basf.us/products/nemasys--beneficial-nematodes.html>
- Bioworks: [https://bioworksinc.com/wp-content/uploads/BCACompat\\_Nov2022.pdf](https://bioworksinc.com/wp-content/uploads/BCACompat_Nov2022.pdf)

**Save the date: June 29, 2023**

For an all- day educational program focusing on diseases and disorders at the CT Ag Experiment Station in New Haven, CT. Details to follow.

*Funding provided by USDA NIFA CPPM grant 2021-70006-35582.*

Disclaimer

The information in this document is for educational purposes only. The recommendations contained are based on the best available knowledge at the time of publication. Any reference to commercial products, trade or brand names is for information only, and no endorsement or approval is intended. UConn Extension does not guarantee or warrant the standard of any product referenced or imply approval of the product to the exclusion of others which also may be available. The University of Connecticut, UConn Extension, College of Agriculture, Health and Natural Resources is an equal opportunity program provider and employer.