

Table 2
Pesticides Frequently Used for Rice

| Trade name | Active ingredient | Manufacturer |
|--------------------------|--|---|
| Benomyl | Methyl 1-(butylcarbamoyl)-2-benzimidazole-carbamate | Miller Chem. and Fertilizer Box 333 Hanover, PA 17331 |
| Banner | Propiconazole: 1-([2-{2,4-dichlorophenyl}-4-propyl-1,3-dioxolan-2-yl]methyl-1H-1,2,4-triazole) | Ciba-Geigy P.O. Box 18300 Greensboro, NC 27419 |
| Avid | Avermectin B ₁ (2.1%) | Merck MSD AGVET Division 126 East Lincoln Avenue Rahway, NJ 07065 |
| Diazinon Knox Out 2FM | Diazinon: <i>O,O</i> -Diethyl <i>O</i> -(6-methyl-2-[1-methylethyl]-4-pyrimidinyl)phosphorothioate | Pennwalt, Agchem Division Three Parkway Philadelphia, PA 19102 |
| Pentac | Dienochlor: (Decachloro <i>bis</i> [2,4-cyclopentadiene-1-yl]) | Sandoz Crop Protection 341 E. Ohio Street Chicago, IL 60611 |
| Stirrup | Insect pheromones | Fermone 2620 N. 37th Drive Phoenix, AZ 85009 |

11. Mite and insect infestations are problems common to greenhouse grown plants and heavy infestations can prevent seed set and production from otherwise healthy plants. Grooming to remove all dead material and at least 6-in. spacing between plants to allow air circulation will help reduce fungal and insect problems. Benomyl or Banner (*see* **Table 2**), applied at the rates recommended by the manufacturers, can be used as needed to treat fungal infections. To control mite or insect infestations, we have found Avid, Diazinon Knox Out 2FM, and Pentac applied at the manufacturers' recommended rates (**Table 2**) to be the most effective. For prophylactic treatment, we cycle through the following at 2-wk intervals: Avid, Diazinon, Diazinon, Diazinon, Pentac.

In the event of severe mite infestations:

- a. Make the following solution: 25 mL Avid, 3.7 mL Stirrup-M (a behavior-modifying chemical) (**Table 2**), 2.7 g Benomyl, 30 mL of a mild dish washing liquid (e.g., Ivory), and 8 L water.
- b. Spray the plants to thoroughly wet them, especially around emerging leaves.
- c. Place the plant and pot totally inside a large plastic bag and seal it.
- d. Incubate the plants in a cool (21°C), shady place.
- e. Remove the bags after 2 d if the plants are healthy and vigorous, or after 1 d if they are weaker and less healthy.