

## 2006 UF COOPERATIVE FUNGICIDE EVALUATION PROJECT

### Evaluation of Terrazole for managing downy mildew of containerized coleus

#### FINAL REPORT October 2006

**INVESTIGATORS:** Philip F. Harmon and Chuck Semer

**OBJECTIVE:** Evaluate fungicide efficacy and safety of Terrazole 35WP and Subdue Maxx for management of downy mildew of coleus

**TREATMENTS:**

Trt #	Fungicide	Rate oz/100 gal	interval
1	Untreated control		
2	Terrazole35WP	6	1 app
3	Subdue Maxx	1	1 app

**MATERIALS AND METHODS:**

Red coleus seedlings were obtained in early August. The seedlings were transplanted into 6 inch pots filled with metro mix 300. The seedlings were watered and fertilized to maintain good growth in the greenhouse. The test was laid out as a RCB with six replicates of six plants per replicate. Seedlings were inoculated with sporulating leaves of *Perilla magilla* showing symptoms of downy mildew. Sections of symptomatic leaves were stapled to the upper surface of leaves of each coleus plant. The plants were observed in the greenhouse.

A second inoculation was performed approximately 4 weeks later in a temperature-controlled incubator room set to 23 C. The room also was humidified with an atomizer. Plants were inoculated via rubbing sporulating leaves onto leaves of plants to be treated.

**RESULTS AND DISCUSSION:**

No disease developed on any inoculated plants. Neither attempt was successful, so no conclusions can be drawn on the efficacy of the products.

Further work is planned to investigate this disease. Future trials may be an option.