



Title: Effect of fungicides on Anthracnose on Cyclamen caused by *Colletotrichum*.

Host: *Cyclamen persicum* (cyclamen) 'Laser White'

Inoculation: Plants were inoculated by spraying with a culture of *Colletotrichum gloeosporioides* (Glomerella) mixed with sterilized water on 30 January, 2009. After inoculation the plants were placed in clear plastic bags under mist conditions (high humidity) for 24 hours.

| | Treatments: | Rate/100 gal |
|----|---------------------|--------------|
| A. | Water noninoculated | ----- |
| B. | Water inoculated | ----- |
| C. | Pageant | 8 oz |
| D. | Chipco 26019 | 16 oz |
| E. | Medallion | 4 oz |
| F. | Cygnus | 6.4 oz |
| G. | MilStop | 2.5 lb |

Chemical application dates: All treatments were applied as a foliar spray (to drip) on a 7 day interval as listed above on 27 January, 3 and 10 February, 2009.

| Treatment | Rate/100 gal. | New leaf damage 2-16-09 | Residue 2-16-09 |
|------------------------|---------------|----------------------------|--------------------|
| Water Noninoculated | ----- | 1.0 a | 2.0 a |
| Water Inoculated | ----- | 3.1 c | 2.0 a |
| Pageant | 8 oz | 2.1 bc | 2.9 c |
| Chipco 26019 | 16 oz | 2.7 bc | 4.4 e |
| Medallion | 4 oz | 1.7 ab | 3.2 d |
| Cygnus | 6.4 oz | 2.2 bc | 2.4 b |
| MilStop | 2.5 lb | 2.7 bc | 2.0 a |

New leaf damage severity was recorded using the following scale: 1 – no damage, 2 – slight, 3 – moderate, 4 – severe to 5 – leaves dead.

Residue severity was recorded using the following scale: 1 – no residue, 2 – slight, 3 – moderate, 4 – severe to 5 – extreme residue completely covering the plant.