Chase Horticultural Research, Inc.
Education for Horticulture

Title: Effects of fungicides on Poinsettia scab

Host: *Euphorbia pulcherrima* (Poinsettia) 'Freedom Red'

Pathogen: *Sphaceloma poinsettiae* spores were collected from plates and sprayed onto leaves in a water suspension. Plants were misted 2 minutes every hour for 12 hours/.day starting the day of inoculation - 7 November 2002.

Treatments:		Rate/100 gal
A.	Water- noninoculated	-----
B.	Water- inoculated	16 oz
C.	Insignia	4 oz
D.	Insignia	8 oz
E.	Heritage	4 oz
F.	Compass O	4 oz
G.	Cygnus	4 oz
H.	Systhane 40WP	2 oz

Chemical application dates: All treatments were applied as foliar sprays on 5, 12, 19 and 26 November 2002.

Treatment	Rate/ 100 gal	Color Grade 12/9/02	Disease Severity 12/9/02	Height (cm) 12/9/02
Water-noninoculated	-----	2.5 b	1.0 a	9.4 ab
Water-inoculated	16 oz	2.6 b	2.4 b	11.7 b
Insignia	4 oz	1.8 ab	1.0 a	9.6 ab
Insignia	8 oz	1.6 a	1.1 a	9.7 ab
Heritage	4 oz	2.3 ab	1.1 a	10.6 ab
Compass O	4 oz	2.0 ab	1.0 a	8.8 a
Cygnus	4 oz	2.1 ab	1.1 a	9.6 ab
Systhane 40WP	2 oz	2.3 ab	1.1 a	9.7 ab

Bract color grade was rated on a scale from 1 - no red to 5 - good red color.

Disease severity was recorded using the following scale: 1 - none, 2 – slight, few spots, 3 – some spots and stretching, 4 – moderate spots and stretching to 5 – severe spotting and severe stretching.