



Title: Effect of fungicides on Alternaria leaf spot on Impatiens

Host: *Impatiens x Wallerana* 'Super Elfin Red'

Pathogen: *Alternaria alternata*

Inoculation: Plants were artificially infected with spores of *Alternaria alternata* adjusted to about 10,000 spores/ml, and sprayed to the point of drip on both 18 July and 18 August 2000. The plants were then bagged for 1 day. Cultures were about 14 days old and grown on potato dextrose agar medium. The test was performed under intermittent mist (1 minute every 30 minutes for 12 hours/day).

Treatments:	Rate/ 100 gal
A. Noninoculated	----
B. Inoculated	----
C. Daconil Ultrex	22.4
D. Daconil Weatherstik	22 oz
E. Pathguard 6F	20 oz
F. Pathguard 90DF	20 oz
G. Medallion 50WP	1 oz
H. Fludioxinil TR	8 g
I. Fludioxinil TR	16 g

Treatment	Rate/100 gal	No. Spots/plant 8/31/00	No. Leaves/ tip burn 8/31/00
Noninoculated	---	0.7 a	0.6 ab
Inoculated	---	7.4 b	0.2 a
Daconil Ultrex	22.4 oz	0.0 a	0.0 a
Daconil Weatherstik	22 oz	1.2 a	0.4 ab
Pathguard 6F	22 oz	0.8 a	0.6 ab
Pathguard 90DF	20 oz	0.2 a	0.1 a
Medallion 50WP	1 oz	0.1 a	0.1 a
Fludioxinil TR	8 g	0.5 a	2.0 b
Fludioxinil TR	16 g	0.1 a	4.8 c