



Title: Effects of fungicides on Alternaria leaf spot on Impatiens

Host: *Impatiens Wallerana* (common impatiens) 'Dazzler Pink'

Pathogen: *Alternaria alternata*

Inoculation: New cultures of *Alternaria* from common and New Guinea *Impatiens* were grown on V-8 juice agar medium for 14 days. Conidia were collected in sterilized water and sprayed onto the leaves. Plants were placed in plastic bags for one day immediately after inoculation. Overhead mist was run from the day of inoculation until test completion (30 sec/30 min for 12 hours/day).

Treatments:	Rate/100 gal
A. Water - noninoculated	-----
B. Water - inoculated	-----
C. Experimental 1	400 oz
D. Experimental 1	400 oz
E. Rhapsody	128 oz
F. Rhapsody	192 oz
G. Rhapsody	256 oz
H. Chipco 26019	16 oz
I. Chipco 26GT	32 oz

Chemical application dates: All treatments were applied as foliar sprays on 12, 19 and 26 November 2003.

Treatment	Rate/ 100 gal	No. Buds 11/21/03	Residue 11/21/03	No. Spots 12/1/03	Phytotoxicity 12/1/03
Water-Noninoculated	-----	5.7 c	1.0 a	0.0 a	1.0 a
Water-Inoculated	-----	5.2 c	1.0 a	5.2 bc	1.0 a
Exp. 1	400 oz	2.1 a	1.5 b	0.0 a	2.8 b
Exp. 1	400 oz	3.0 ab	1.7 c	0.0 a	3.5 c
Rhapsody	128 oz	5.2 c	1.0 a	5.8 c	1.0 a
Rhapsody	192 oz	5.5 c	1.0 a	4.3 b	1.0 a
Rhapsody	256 oz	6.0 c	1.0 a	6.2 c	1.0 a
Chipco 26019	16 oz	4.1 bc	2.4 d	0.2 a	1.0 a
Chipco 26GT	32 oz	4.6 bc	1.0 a	0.0 a	1.0 a

Residue severity was rated using the following scale: 1 - none, 2 - slight, 3 - moderate, 4 - severe to 5 - heavy residue.

Phytotoxicity was recorded using the following scale: 1 - none, 2 - slight, 3 - moderate, 4 - severe to 5 - plant dead.