



Title: Effect of fungicides on Alternaria leaf spot on Impatiens

Host: *Impatiens Wallerana* (common impatiens) 'Super Elfin Bright Orange'

Pathogen: *Alternaria alternata*

Inoculation: Plants were inoculated with a spore suspension on 16 July and placed in bags for the duration of the test.

Treatments:	Rate/100 gal
A. Noninoculated	----
B. Inoculated	----
C. PathGuard 6F	20 oz
D. Camelot	16 oz
E. PathGuard/Camelot	20 oz/16 oz
F. Stature MZ	28 oz
G. Stature MZ/Capsil	28 oz/2 oz
H. Product 1	800 ppm
I. Manzate 75DF	24 oz
J. Manzate DF/Camelot	24 oz/16 oz
K. Chipco 26GT	1.5 pint
L. Chipco 26GT/Camelot	1.5 pint/16 oz
M. Heritage	1 oz
N. Compass	1 oz

Chemical application dates: All treatments were applied as foliar sprays (care was taken to cover the lower leaf surfaces). The following applications were made: 12 and 23 July 2001.

Treatment	Rate/100 gal	Residue 7/13/01	No. Spots/ Plant 8/1/01	Top Grade 8/1/01	Residue 8/1/01	Phytotoxicity 8/2/01
Noninoculated	----	1.0 a	0.0 a	2.5 bcd	1.0 a	2.7 bcd
Inoculated	----	1.0 a	9.0 c	2.9 cd	10 a	1.8 ab
PathGuard	20 oz	2.0 b	5.0 abc	2.3 bc	1.6 b	4.0 ef
Camelot	16 oz	1.0 a	7.2 bc	3.1 d	1.0 a	1.4 a
PathGuard/Camelot	20 oz/16 oz	2.0 b	2.0 a	2.6 cd	1.6 b	3.2 cde
Stature MZ	28 oz	4.3 e	1.2 a	3.1 d	2.8 e	2.0 abc

Stature MZ/Capsil	28 oz/2 oz	4.0 b	0.8 a	2.6 cd	2.3 d	3.3 de
Timsen	800 ppm	1.0 a	5.7 abc	1.3 a	1.0 a	4.8 f
Manzate 75DF	24 oz	3.5 c	1.3 a	2.5 bcd	2.0 c	3.5 de
Manzate 75DF/ Camelot	24 oz/16 oz	2.1 b	1.6 a	2.8 cd	1.0 a	2.0 abc
Chipco 26GT	1.5 pint	1.0 a	0.7 a	2.5 bcd	1.0 a	3.1 bcde
Chipco 26GT/ Camelot	1.5 pint/16 oz	1.0 a	0.2 a	2.6 cd	1.0 a	3.1 bcde
Heritage	1 oz	1.0 a	3.8 ab	3.0 cd	1.0 a	2.0 abc
Compass	1 oz	1.0 a	3.7 ab	2.0 b	1.0 a	4.0 ef

Top grade was rated using the following scale: 1 (dead, unsalable), 2 (poor, unsalable), 3 (moderate, salable), 4 (good, salable) and 5 (excellent, salable).

Residue was rated using the following scale: 1 (none), 2 (slight), 3 (moderate), 4 (heavy) and 5 (severe).

Phytotoxicity severity was rated using the following scale: 1 (none), 2 (slight), 3 (moderate), 4 (severe) and 5 (dead).