



Title: Effect of fungicides on Alternaria leaf spot on Impatiens

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

Pathogen: *Alternaria alternata*

Inoculation: Plants were inoculated with a spore suspension on 5 October and placed in bags for one day after the inoculation.

Treatments:	Rate/100 gal
A. Noninoculated	----
B. Inoculated	----
C. Timsen	800 ppm
D. B-Nine WSG	2500 ppm
E. B-Nine WSG	5000 ppm
F. Bonzi	5 ppm
G. Bonzi	20 ppm
H. Terraguard	4 oz
I. Chipco 26GT	1.5 quart
J. Sextant 25E	1.5 quart

Chemical application dates: All treatments were applied as foliar sprays (care was taken to cover the lower leaf surfaces). The following applications were made: 27 September and 8 and 18 October 2001.

Treatment	Rate/100 gal	Phytotoxicity 10/22/01	Height (cm) 10/23/01	Top Grade 10/23/01	No. of Spots 8/1/01
Noninoculated	----	1.0 a	14.6 d	4.2 d	0.0 a
Inoculated	----	1.5 bc	14.6 d	4.0 d	22.7 bc
Timsen	800 ppm	3.4 e	12.1 bc	2.9 b	26.7 c
B-Nine WSG	2500 ppm	1.7 bc	13.6 cd	3.9 d	9.6 ab
B-Nine WSG	5000 ppm	1.8 c	12.2 bc	3.4 c	14.8 ab
Bonzi	5 ppm	1.8 c	14.3 d	4.0 d	10.3 ab
Bonzi	20 ppm	1.6 bc	11.3 b	3.4 c	8.3 ab
Terraguard	4 oz	2.4 d	9.6 a	2.4 a	38.3 d
Chipco 26GT	1.5 quart	1.2 ab	14.2 d	4.0 d	0.0 a
Sextant 25E	1.5 quart	1.3 abc	13.0 bcd	4.0 d	0.0 a

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

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