



Title: Effect of fungicides on *Alternaria* leaf spot on *Impatiens*.

Host: *Impatiens x wallerana* (*impatiens*) 'Accent Violet' plugs

Inoculation: Plants were inoculated with spores of *Alternaria alternata* mixed with sterilized water. The inoculum was sprayed onto pre-wetted plants on 17 May, 2010. The inoculated plants were placed into clear plastic bags (high humidity) under mist conditions for 48 hours. They were then unbagged and remained under mist for the duration of the trial.

Treatments:	Rate/100 gal
A. Water noninoculated	-----
B. Water inoculated	-----
C. Heritage	4 oz 7 days
D. Heritage	4 oz 14 days
E. Exp. 1	2 oz 7 days
F. Exp. 1	4 oz 7 days
G. Exp. 1	5 oz 14 days
H. Exp. 2	64 oz 7 days
I. Exp. 2	128 oz 7 days
J. Camelot	48 oz 7 days
K. Camelot	48 oz 14 days

Chemical application dates: All treatments were applied as a foliar spray (to drip) as listed above on 13 and 21 May, 2010.

Treatment	Rate/100 gal.	# leaves with marginal burns/plant 5-21-10	# spots/plant 5-24-10	# spots/plant 5-27-10
Water Noninoculated	-----	0.0 a	0.0 a	0.1 a
Water Inoculated	-----	0.2 a	34.2 b	58.3 d
Heritage	4 oz 7 days	0.0 a	3.1 a	3.7 ab
Heritage	4 oz 14 days	0.1 a	1.7 a	4.2 ab
Exp. 1	2 oz 7 days	2.5 b	7.4 a	14.8 bc
Exp. 1	4 oz 7 days	3.4 c	8.7 a	15.3 bc
Exp. 1	5 oz 14 days	3.0 bc	8.7 a	22.5 c
Exp. 2	64 oz 7 days	0.0 a	5.6 a	9.3 ab
Exp. 2	128 oz 7 days	0.0 a	3.7 a	7.5 ab
Camelot	48 oz 7 days	0.3 a	1.1 a	1.6 a
Camelot	48 oz 14 days	0.0 a	3.0 a	4.0 ab