



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

Host: *Impatiens wallerana* (common impatiens) 'Dazzler Rose'

Inoculation: Plants were inoculated by spraying with a spore suspension of a 14-day old culture of *Alternaria alternata* grown on V-8 agar medium mixed with sterilized water. The spores (1×10^5 /ml) were sprayed onto the plants on 3 August, 2007 and plants were placed in plastic bags for 24 hours. Intermittent mist was used (30 seconds/hour for 12 hours/day) from the date of inoculation until test completion.

	Treatments:	Rate/100 gal
A.	Water noninoculated	-----
B.	Water inoculated	-----
C.	Pageant	4 oz
D.	Pageant	8 oz
E.	Experimental 1	4.5 oz
F.	Trinity	3 oz
G.	Trinity	6 oz
H.	Actinovate	6 oz
I.	Sporan and Natural Wet	64 oz and 16 oz
J.	Medallion	2 oz
K.	Fludioxinil TR	16 g

Chemical application dates: All treatments (except Fludioxinil TR) were applied as a foliar spray (to drip).

Treatment	Rate/100 gal.	No. Spots/Plant 8/13/07	Residue Severity 8/14/07
Water Noninoculated	-----	0.0 a	2.2 a
Water Inoculated	-----	29.6 b	2.6 a
Pageant	4 oz	0.0 a	2.3 a
Pageant	8 oz	0.8 a	2.2 a
Exp. 1	4.5 oz	0.5 a	2.4 a
Trinity	3 oz	2.0 a	2.3 a
Trinity	6 oz	0.7 a	2.6 a
Actinovate	6 oz	44.2 c	2.5 a

Sporan and Natural Wet	64 oz and 16 oz	40.4 c	2.4 a
Medallion	2 oz	0.0 a	2.3 a
Fludioxinil TR	16 g	0.0 a	2.6 a

Residue severity was recorded using the following scale: 1 – no residue, 2 – slight, 3 – moderate, 4 – severe to 5 – extreme, plant completely covered with residue.