



Title: Effect of SP2015 on *Alternaria* leaf spot on Impatiens

Host: *Impatiens Wallerana* (double) 'Fiesta Ole Salmon'

Inoculation: Plants were inoculated with a spore suspension *Alternaria alternata* mixed with sterilized water. The slurry was sprayed onto the plants to drip with a hand-pump spray bottle on 30 June, 2006. After inoculation the plants were placed under mist into plastic covered boxes for 48 hours. The boxes were removed and the plants remained under mist conditions for the trial duration.

Treatments:	Rate/100 gal
A. Water - noninoculated	----
B. Water – inoculated	----
C. SP2015	10 oz
D. SP2015 and Pentathlon DF	10 oz and 24 oz
E. Pentathlon DF	24 oz
F. Heritage	1 oz
G. Insignia	2.5 oz
H. Compass O	1 oz

Chemical application dates: All treatments were applied as a foliar spray (to drip) as listed above on 27 June and 5 July, 2006.

Treatment	Rate/100 gal.	No. of Leaf Spots 7/10/06	Top Grade 7/10/06	Height (cm) 7/10/06	Residue 7/10/06
Water Noninoculated	----	0.4 a	3.2 a	13.2 ab	2.0 a
Water Inoculated	----	55.0 b	3.2 a	12.9 ab	2.0 a
SP2015	10 oz	8.2 a	3.2 a	13.3 b	2.1 a
SP2015 and Pentathlon DF	10 oz and 24 oz	0.4 a	3.0 a	11.7 a	2.0 a
Pentathlon DF	24 oz	10.7 a	3.1 a	12.7 ab	2.0 a
Heritage	1 oz	2.8 a	3.3 a	13.0 ab	2.2 a
Insignia	2.5 oz	3.2 a	3.5 a	12.8 ab	2.1 a
Compass O	1 oz	5.5 a	3.4 a	11.7 a	2.2 a

Top grade was recorded using the following scale: 1 - plant dead, unsalable, 2 - poor, unsalable, 3 - moderate, salable, 4 - good, salable to 5 - excellent, salable. Residue was rated on the following scale: 1=none, 2=slight and 3=moderate.