



Title: Effect of fungicides on Alternaria leaf spot on dusty miller

Host: *Senecio cineraria* (dusty miller) 'Dust Silver'

Pathogen: *Alternaria cineraria*

Inoculation: Plants were spray inoculated with a spore suspension on 27 March, and bagged for two days, then re-inoculated on 23 April, and bagged for three days.

Treatments:	Rate/100 gal
A. Water, noninoculated	----
B. Water, inoculated	----
C. Phyton 27	25 oz
D. Stature MZ	2.5 lb
E. Concorde SST	22.4 oz
F. Concorde SST DF	22 oz
G. Aliette 80WDG and Chipco 26GT	1 lb and 1 qt
H. Heritage 50WDG	1 oz
I. Compass 50WDG	1 oz

Chemical application dates: All treatments were applied as foliar sprays (to drip) on the following dates: 23 and 29 March, and 6, 13, 20 and 30 April 2001.

Treatment	Rate/100 gal	Top Grade 4/26/01	Phytotoxicity- Leaf Curl 5/4/01	Number Of Spots/Leaf 5/4/01
Noninoculated	---	3.3 b	1.5 a	0.2 a
Inoculated	---	3.1 ab	2.2 b	21.3 b
Phyton 27	25 oz	3.1 ab	1.4 a	2.2 a
Stature MZ	2.5 lb	3.0 ab	1.4 a	0.0 a
Concorde SST	22.4 oz	3.0 ab	3.1 c	0.0 a
Concorde SST DF	22 oz	2.9 a	2.8 c	0.0 a
Aliette 80WDG and Chipco 26GT	1 lb and 1 qt	3.2 ab	1.3 a	0.0 a
Heritage	1 oz	3.1 ab	1.5 a	0.0 a
Compass	1 oz	3.1 ab	1.8 ab	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 was recorded using the following scale: 1 - no phytotoxicity, 2 - slight, 3 - moderate, 4 - severe to 5 - plant dead. This symptom was downward curling of the leaves (similar in appearance to aphid damage).