



Title: Effect of fungicides on Anthracnose on Hydrangea.

Host: *Hydrangea paniculata* (hydrangea) 'Kyushu'

Inoculation: Plants were inoculated by wounding leaves with a dissecting needle and then spraying with a spore solution of a culture of *Glomerella cingulata* mixed with sterilized water on 3 October, 2006. After inoculation the plants were placed in clear plastic bags (high humidity) and placed under mist. The plants were kept under mist conditions for the duration of the trial.

Treatments:	Rate/100 gal
A. Water - noninoculated	-----
B. Water – inoculated	-----
C. Clevis	32 oz
D. Rhapsody	1 %
E. Rhapsody and Daconil Ultrex	1 % and 1.4 lb
F. Daconil Ultrex	1.4 lb
G. SP2015	10 oz
H. Pentathlon	24 oz
I. SP2015 and Pentathlon	10 oz and 24 oz

Chemical application dates: All treatments were applied as a foliar spray (to drip) on a 10 day interval as listed above on 15, 25 September, 5, 16 and 26 October, 2006.

Treatment	Rate/100 gal	Residue Severity 9/25/06	No. of Tips/Plant Dieback 10/30/06	Blight Severity 10/30/06
Water Noninoculated	-----	2.0 a	0.9 a	1.4 a
Water Inoculated	-----	2.0 a	1.7 a	2.2 a
Clevis	32 oz	3.1 c	0.9 a	2.2 a
Rhapsody	1 %	2.0 a	0.9 a	2.1 a
Rhapsody and Daconil Ultrex	1 % and 1.4 lb	2.6 b	0.9 a	2.4 a
Daconil Ultrex	1.4 lb	4.4 d	1.1 a	1.8 a
SP2015	10 oz	2.0 a	0.8 a	2.0 a
Pentathlon	24 oz	4.2 d	1.0 a	2.7 a
SP2015 and Pentathlon	10 oz and 24 oz	2.8 b	1.0 a	2.2 a

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

Blight severity (the degree of blight) was recorded using the following scale: 1 – no blight, 2 – slight, 3 – moderate, 4 – severe to 5 – plant dead.