



Title: Efficacy of fungicides for control of Anthracnose on Hydrangea.

Host: *Hydrangea* (hydrangea) 'Pink Mos' and 'White Snowball'

Inoculation: Plants were inoculated on 1 April, 2008 by spraying with spores from a culture of *Colletotrichum gloesporioides* mixed with sterilized water. The plants were placed under mist conditions under clear plastic (high humidity) for 24 hours after inoculation and remained under intermittent mist conditions (30 seconds every hour for 12 hours per day) for the remainder of the trial.

	Treatments:	Rate/100 gal
A.	Water - noninoculated	----
B.	Water – inoculated	----
C.	Palladium	4 oz 14 days
D.	Palladium	8 oz 14 days
E.	Concert	16 oz 14 days
F.	Concert	24 oz 14 days
G.	Pageant	18 oz 7 days
H.	V-10116	1 oz 7 days
I.	V-10116	2 oz 7 days
J.	V-10116	4 oz 7 days
K.	Terraguard 4SC	4 oz 7 days
L.	Terraguard 4SC	8 oz 7 days

Chemical application dates: All treatments were applied as a foliar spray (to drip) as listed above on 28 March, 4 and 11 April, 2008.

Treatment	Rate/100 gal.	# spots per plant 4-18-08	Top grade (new growth) 4-18-08
Water – noninoculated	-----	1.0 a	3.7 abc
Water – inoculated	-----	7.0 bc	3.9 abc
Palladium	4 oz 14 day	8.7 c	3.9 abc
Palladium	8 oz 14 day	7.1 bc	3.2 ab
Concert	16 oz 14 day	2.6 a	4.1 c
Concert	24 oz 14 day	4.5 ab	3.7 abc
Pageant	18 oz 7 day	1.0 a	4.0 bc
V-10116	1 oz 7 day	1.8 a	3.2 a
V-10116	2 oz 7 day	1.7 a	3.7 abc
V-10116	4 oz 7 day	1.7 a	3.3 ab
Terraguard 4SC	4 oz 7 day	3.7 ab	3.3 ab
Terraguard 4SC	8 oz 7 day	1.2 a	3.8 abc

Top grade (for new growth) was recorded using the following scale: 1 - plant dead, unsalable, 2 - poor, unsalable, 3 - moderate, salable, 4 - good, salable to 5 - excellent, salable.