Chase Horticultural Research, Inc.
Education for Horticulture

Title: Effect of fungicides on Myrothecium crown rot on pansy.

Host: *Viola x wittrockiana* (pansy) 'Atlas Needlepoint'

Inoculation: On 23 May, 2007 plants were inoculated with a culture of *Myrothecium roridum* (10e6 conidia/ml) with 10 ml poured into crown area.

Treatments:		Rate/100 gal	interval
A.	Water noninoculated	----	
B.	Water inoculated	----	
C.	Palladium	2 oz	14 day
D.	Palladium	4 oz	14 day
E.	Palladium	6 oz	14 day
F.	Medallion	2 oz	14 day
G.	Heritage	2 oz	14 day
H.	Heritage	4 oz	28 day
I.	Insignia	4 oz	14 day
J.	Insignia	8 oz	14 day

Chemical application dates: Treatments were applied as a 20 ml sprench to the crown per 3.5 inch pot as listed above on 14, 29 May, 11 and 25 June, 2007.

Treatment	Rate/ 100 gal	Disease Severity 6/28/07	% Plant Dead 7/3/07	% Plant Dead 7/6/07
Water noninoculated	-----	1.0 a	0.0 a	1.2 a
Water Inoculated	-----	2.5 b	46.7 b	56.2 b
Palladium	2 oz	1.0 a	2.9 a	3.3 a
Palladium	4 oz	1.0 a	0.8 a	1.2 a
Palladium	6 oz	1.0 a	2.1 a	2.1 a
Medallion	2 oz	1.0 a	0.8 a	0.0 a
Heritage	2 oz	1.0 a	0.8 a	5.0 a
Heritage	4 oz	1.0 a	5.0 a	5.0 a
Insignia	4 oz	1.0 a	0.8 a	0.8 a
Insignia	8 oz	1.0 a	0.0 a	0.8 a

Disease severity was recorded using the following scale: 1 – no symptoms, 2 – slight, 3 – moderate, 4 – severe to 5 – plant dead.