Chase Horticultural Research, Inc.
Education for Horticulture

Title: Effect of TR fungicides on Cercospora leaf spot on Pansy.

Host: *Viola x wittrockiana* (pansy) 'Dynamite Strawberry' plugs

Inoculation: Plants were inoculated with spores from a culture of *Cercospora* sp. mixed with sterilized water. The inoculum was sprayed over the plants on 22 October, 2010. After inoculation the plants were placed into clear plastic bags (high humidity) under mist for 48 hours, the bags were removed and the plants remained under intermittent mist conditions (30 sec/hr for 12 hr/day) for the remainder of the trial.

	Treatments:	Rate/100 gal
A.	Water noninoculated	-----
B.	Water inoculated	-----
C.	Pageant	12 oz
D.	Exp. 1	-----
E.	Exp. 2	-----
F.	Trinity	4 oz
G.	Trinity	8 oz
H.	Trinity	12 oz
I.	Trinity	16 oz
J.	OHP-6672	16 oz

Chemical application dates: All treatments were applied as a spray (to drip) or as a Total Release as listed above on 19, 26 October, 2 and 9 November, 2010.

Treatment	Rate/100 gal.	Height (cm) 11-15-10	Disease severity 11-15-10
Noninoculated	-----	11.9 c	1.0 a
Inoculated	-----	12.4 c	4.0 e
Pageant	12 oz	10.5 bc	1.0 a
Exp. 1	-----	11.5 c	1.0 a
Exp. 2	-----	6.3 a	1.0 a
Trinity	4 oz	9.4 b	2.7 d
Trinity	8 oz	8.0 a	1.9 c
Trinity	12 oz	5.9 a	1.6 bc
Trinity	16 oz	6.2 a	1.4 ab
OHP-6672	16 oz	11.9 c	4.0 e

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