Chase Horticultural Research, Inc.
Education for Horticulture

Title: Effect of fungicides on Alyssum Downy Mildew

Host: *Lobularia maritima* 'Easter Bonnet Violet'

Pathogen: *Peronospora parasitica*

Inoculation: Plants were inoculated by natural infection from surrounding plants.

Treatments:		Rate/ 100 gal
A.	Water	-----
B.	Daconil Ultrex	1.4 lb
C.	FenStop	14 oz
D.	FenStop	28 oz
E.	Cinnamite	64 oz
F.	ZeroTol	1%
G.	Protect T&O	1.5 lb
H.	Aliette 80WDG	1 lb

Chemical application dates: All chemicals were applied as foliar sprays (to drip) on the following dates: 28 March, 7, 11 and 18 April, 2000.

Treatment	Rate/ 100 gallons	Top grade 4/21/00	Phytotoxicity 4/21/00	% DM leaves 4/24/00
Water	-----	3.5 cd	1.0 a	6.2 c
Daconil Ultrex	1.4 lb	3.2 abc	1.2 ab	7.5 c
FenStop	14 oz	2.8 a	1.7 c	0.0 a
FenStop	28 oz	3.0 ab	1.5 bc	0.0 a
Cinnamite	64 oz	2.9 a	1.4 bc	6.2 c
ZeroTol	1%	3.5 cd	2.2 d	3.8 b
Protect T&O	1.5 lb	3.4 bcd	1.0 a	2.5 ab
Aliette	1 lb	3.7 d	1.0 a	0.0 a

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

Phytotoxicity was rated using the following scale: 1 - no phytotoxicity, 2 - slight, 3 - moderate, 4 -severe to 5 - plant dead.