

Control of Cutting Rot in Ceanothus

Progress Report

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Laboratory isolations from ceanothus cuttings that were rotting in propagation flats revealed the presence of a water mold (*Pythium* sp.). Therefore, a trial was started to see if control could be attained. One flat each (100 cuttings) of *Ceanothus griseus* var. *horizontalis* McMinn 'Yankee Point' and one flat each of *Ceanothus griseus*

var. *horizontalis* were treated with fungicides effective against water molds.

A fungicide suspension at 1,500 ml (1½ quart) was used to drench each flat following striking of the cuttings. The flats were treated again 1 month later. One flat of each ceanothus was left untreated. At the end of 2 months, results were tabulated (see table). No

disease developed in the cultivar 'Yankee Point', so the results are not included here.

All of the chemicals gave control except the Truban EC. Because Truban WP gave good control, perhaps the carriers in the EC were toxic to the plants. The small losses in the Dowco 269 and Truban treatments suggest that only *Pythium* was present, but the addition of Benlate to Lesan resulted in more living cuttings than when Lesan was used alone, suggesting that some other fungus might have been present in some flats in addition to *Pythium*.

Of the materials used, all are available except Dowco 269.

**Fungicide Treatments to Control Pythium Cutting Rot of
Ceanothus griseus var. *horizontalis***

Fungicide	Concentration/gal	Equivalent concentration/100 gal	Numbers of dead cuttings after 2 months
Dowco*	5.28 ml	1.1 pt	0
Truban (etridiazole 30% WP)	1.26 g	4.5 oz	1
Lesan (fenaminosulf 35%) + Benlate (benomyl 50%)	1.08 g 0.76 g	4 oz 2½ oz	6
Lesan (fenaminosulf 35%)	1.08 g	4 oz	15
Truban (etridiazole 25% EC)	1.5 ml	0.33 pt	32
Untreated check	—	—	21

*Discontinued experimental compound, Dow Chemical.

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