

Nostoc Control in Container Nurseries

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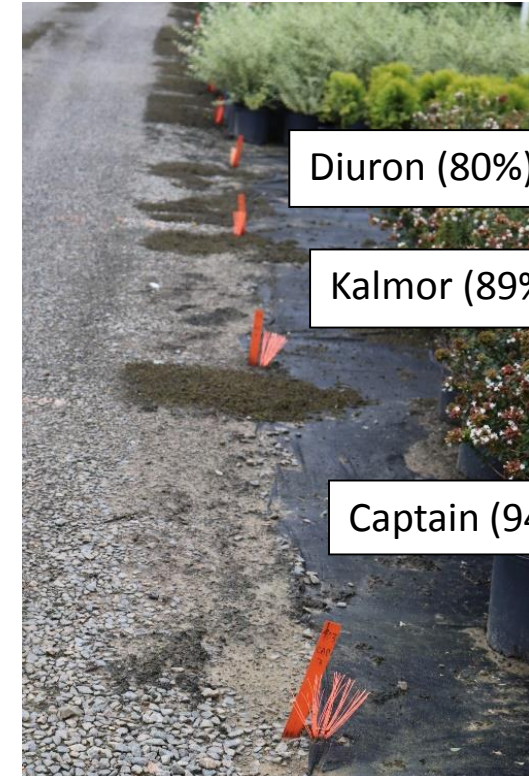
The problem: Gelatinous masses of Nostoc on gravel and ground cloth in container nurseries are a slipping hazard for workers.

Preliminary data: Several treatments suppressed nostoc including: Physical disturbance followed by a Ps II inhibitor herbicide, copper-compounds or an ammonium sanitizing agent.

The objective: Compare efficacy of two copper compounds (Captain XLR and Kalmor), an ammonium sanitizing agent (SA-20), diuron (Direx), and pelargonic acid (Scythe).

Methods:

- PRE-Treatment: ~ 100% cover of nostoc on gravel
- Spray volume: 50 or 100 GPA; RCBD with 6 reps.
- % Cover & % control evaluated monthly
- 1st application: July 10, 2020



Summary Conclusions:

- Captain at 3 or 6 Gal/A or Kalmor at 5 or 10 lb/A applied twice at 14-day intervals controlled nostoc.
- SA-20 @ 10 G/A suppressed nostoc with some regrowth suggesting a 3rd application might maintain control.
- Diuron at 1 lb ai/A; applied twice at a 28 days controlled nostoc.
- Scythe 10 G/A did not control Nostoc.