

Municipal Pest Management Services, Inc.

21 River Road
Newington, NH 03801
swampfixer@swamp-inc.com
Telephone 603-431-0008

To: Dover Community Services

From: Michael Morrison, Entomologist

Date: November 16, 2021

Subject: SWEEP Program Update 2021

SWEEP (Sustainable Weed Control on Pavements)

Dover is the first SWEEP Program in the Northeast. Sustainable pavement weed control is being completed with sustainable methods. The state Pesticide Control Division applauds this program and has visited Dover to see the results. Other communities are interested also.

Organic Herbicide Spraying

The state permit arrived late so spraying began August 2 and ended October 5. Weeds were very mature at the start. Finalsan Organic Herbicide provided excellent control within 48 hours. All plants were effected by the spray. Finalsan is now produced by a German company and much more effective than in previous years. We have added a "sticking agent" and a "thickener" to the spray to increase effectiveness also.

Sediment Removal

Sediment was broken up along curbing. The sediment provided soil for weed growth. The sediment builds up over the years and is difficult for street sweepers to remove.

Hand Pulling and Tools

Large dead weeds were cut with hand tools and/ or pulled out of pavement cracks. This was done in highly visible areas. Traffic islands and intersections were targeted.

Pavement Crack and Crevice Filling

Pavement crack and crevice filling began Nov 4 and will continue through November and into December. Crack and crevice filling works at high as well as low temperatures. We are targeting traffic islands and intersections. Smaller, narrower traffic islands require more traffic cones and barrels.

Summary

- Finalsan was very effective and provided quick control of weeds
- Spraying every three weeks works well
- Hand pulling and cutting provided better aesthetics in highly visible areas
- Pavement crack and crevice filling is providing long term weed control; prevents water infiltration into subgrades and is aesthetic
- More traffic control is necessary to protect workers doing crack and crevice filling
- There are more streets to do than mapped