

CARE Committee

From: Kelly King
Sent: Wednesday, July 21, 2021 8:54 AM
To: CARE Committee
Cc: Ellen B. McKinley; Axel I. Beers
Subject: FW: Testimony in favor of the Bill to ban pesticides and chemicals use in parks and roadways (CARE-23).

Testimony for CARE-23 on agenda today.

With Aloha,
Sarah Sexton
On behalf of Councilmember Kelly Takaya King



Office of Councilmember Kelly T. King

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From: David Dorn <daviddorn808@gmail.com>
Date: Wednesday, July 21, 2021 at 6:14 AM
To: Kelly King <Kelly.King@mauicounty.us>, "Shane M. Sinenci" <Shane.Sinenci@mauicounty.us>, Gabe Johnson <Gabe.Johnson@mauicounty.us>, "Alice L. Lee" <Alice.Lee@mauicounty.us>, Michael Molina <Mike.Molina@mauicounty.us>, "Tamara A. Paltin" <Tamara.Paltin@mauicounty.us>, Yukilei Sugimura <Yukilei.Sugimura@mauicounty.us>, "Tasha A. Kama" <Tasha.Kama@mauicounty.us>, "Keani N. Rawlins" <Keani.Rawlins@mauicounty.us>
Subject: Testimony in favor of the Bill to ban pesticides and chemicals use in parks and roadways (CARE-23).

My name is David Dorn,
This is my testimony in favor of the Bill to ban pesticides and chemical use in parks and roadways (CARE-23).

All chemicals sprayed on parks and roads can find their way into the streams, stormwater runoff, groundwater, and the ocean. These chemicals have the potential to damage our streams, groundwater, and sea life, including damaging our protective coral reefs.

This bill should include banning the use of toxic herbicides. Including glyphosate-containing herbicides (Roundup), Glyphosate, isoproturon, fluroxypyr, pirimicarb, imidacloprid, acetamiprid, tebuconazole,

epoxiconazole, and prochloraz, are among the most damaging, destructive, and harmful of all of the chemicals for the people using them and for the environment.

Glyphosate persistence in seawater = “Glyphosate (roundup) can last in seawater for 315 days”

Glyphosate is one of the most widely applied herbicides globally but its persistence in seawater has not been reported. Here we quantify the biodegradation of glyphosate using standard "simulation" flask tests with native bacterial populations and coastal seawater from the Great Barrier Reef. The half-life for glyphosate at 25 °C in low-light was 47 days, extending to 267 days in the dark at 25 °C and 315 days in the dark at 31 °C, which is the longest persistence reported for this herbicide. Little degradation would be expected during flood plumes in the tropics, which could potentially deliver dissolved and sediment-bound glyphosate far from shore.

<https://pubmed.ncbi.nlm.nih.gov/24467857/>

Agent Orange in Your Backyard: The Harmful Pesticide 2,4-D

<https://www.theatlantic.com/health/archive/2012/02/agent-orange-in-your-backyard-the-harmful-pesticide-2-4-d/253506/>

Toxicity of Herbicides: Impact on Aquatic and Soil Biota and Human Health

<https://www.intechopen.com/chapters/44984>

Please support this bill, and include banning the use of toxic herbicides as well.
Thank you.