

A close-up photograph of a green leaf, showing a detailed network of veins. The veins are a lighter green color, contrasting with the darker green of the leaf's surface. The veins form a complex, branching pattern across the leaf. The lighting is even, highlighting the texture and structure of the leaf.

Life After Roundup: Alternatives

Diane Emerson, October, 2019



Alternatives to Glyphosate-Based Herbicides

- Safer Chemicals
- Mulch, including Sheet Mulching
- Great tools
- Rethinking Tidiness



Alternatives to Glyphosate-Based Herbicides

● Safer Chemicals:

- Horticultural Vinegar
- Bonide BurnOut: Citric acid and clove oil
- Pulverize Weed and Grass Killer: Ammoniated soap of fatty acids

Horticultural Vinegar



4X Stronger than table vinegar

The Natural acid in vinegar dries out weeds on contact.
See results almost immediately!

NEW GREEN GOBBLER 20% VINEGAR WEED KILLER

NET CONTENTS: 1 GAL (3.78 L)

Now licensed in WA state



Horticultural Vinegar

Spraying 20%
acetic acid (hort
vinegar) on
sidewalk weeds
as a test





Horticultural Vinegar



Sidewalk grass before and 24 hrs
after horticultural vinegar



Horticultural Vinegar



Tansy Ragwort before and 24 hrs
after horticultural vinegar



Horticultural Vinegar

Sept 2018
our largest
retailer
pulled all
Roundup
products



Mulch: Wood Chips!!



www.getchipdrop.com

Sheet Mulching on a Large Scale



Alternatives to Glyphosate-Based Herbicides



- Great tools:
 - Sawtooth
Shovel for
Blackberries



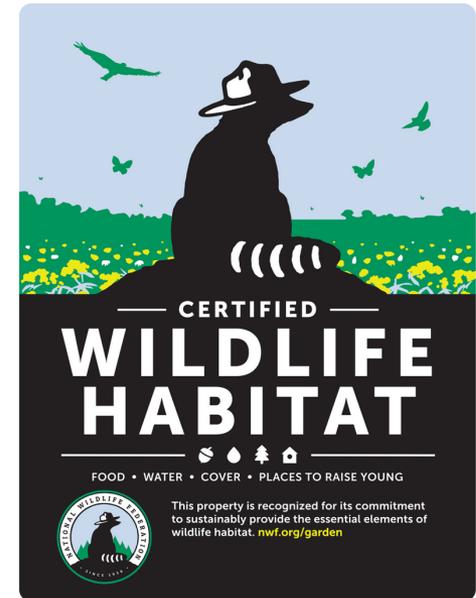


Alternatives to Glyphosate-Based Herbicides

- Rethink Our Need for Tidy. Make it wildlife habitat and put up a sign.



Photo: idealhome.co.uk



A close-up photograph of a green leaf, showing the intricate network of veins. The leaf is split horizontally, with the top half being a lighter, vibrant green and the bottom half being a darker, forest green. The veins are clearly visible, creating a complex, web-like pattern across the surface.

Life After Roundup: Alternatives

Michael Laurie, October, 2019

Alternatives to Herbicides



- Rethinking our need for Perfect All Green Lawns



www.ptlawnseed.com and www.sunmarkseeds.com

Drip Irrigation



- You can better target the water to the plants you want to grow instead of blanket watering that helps water weeds.



Grow Smart Grow Safe



- Do you know how to find out quickly which products for sale to homeowners are safe and which are not?
- Grow Smart Grow Safe is a web site based on the work of Patrick Soderberg, a scientist who works for Thurston County, who researches what the science says about the active ingredients in products
- <https://www.growsmartgrowsafe.org/>

Go to the Grow Smart Grow Safe Site



- Pick a category like Weeds
- Search for products by Product Name, Active Ingredient, EPA Number, or Herbicide Type
- Potential Hazards:
 - Low 
 - Moderate 
 - High 

A close-up photograph of a green leaf, showing a detailed network of veins. The veins are a lighter green color, creating a complex, web-like pattern against the darker green leaf surface. The lighting is even, highlighting the texture and structure of the leaf.

That's It For Now!

**Remember to Stop By
Our Table in Back!**

www.gardengreen.org