



**NON TOXIC  
NEIGHBORHOODS**

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**PLAY FREE**



# OUR GOAL

We are asking that our city chooses to make the health of our children it's priority by switching to proven and safe landscaping practices.



# NON TOXIC NEIGHBORHOODS ADVISORS

## DEAN BAKER, MD, MPH

Professor and Director at the Center for Occupational and Environmental Health, Professor of Medicine, Pediatrics, and Epidemiology at the University of California Irvine

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Dean for Global Health, Professor of Preventive Medicine and Pediatrics, Arnhold Institute for Global Health - Icahn School of Medicine at Mount Sinai, New York City, NY

## ZACH BUSH, MD

Triple board-certified physician - with expertise in Internal Medicine, Endocrinology & Metabolism, and Hospice/Palliative Care



# KEY MESSAGES

- **PESTICIDES ARE INVISIBLE;**  
their effects persist after application
- Pesticides often **DRIFT AIRBORNE**  
to contaminate non-target life
- Pesticides have been scientifically  
proven to impair **BRAIN DEVELOPMENT**
- Long-Term **ORGANIC & SAFE** landscaping  
practices are cost effective



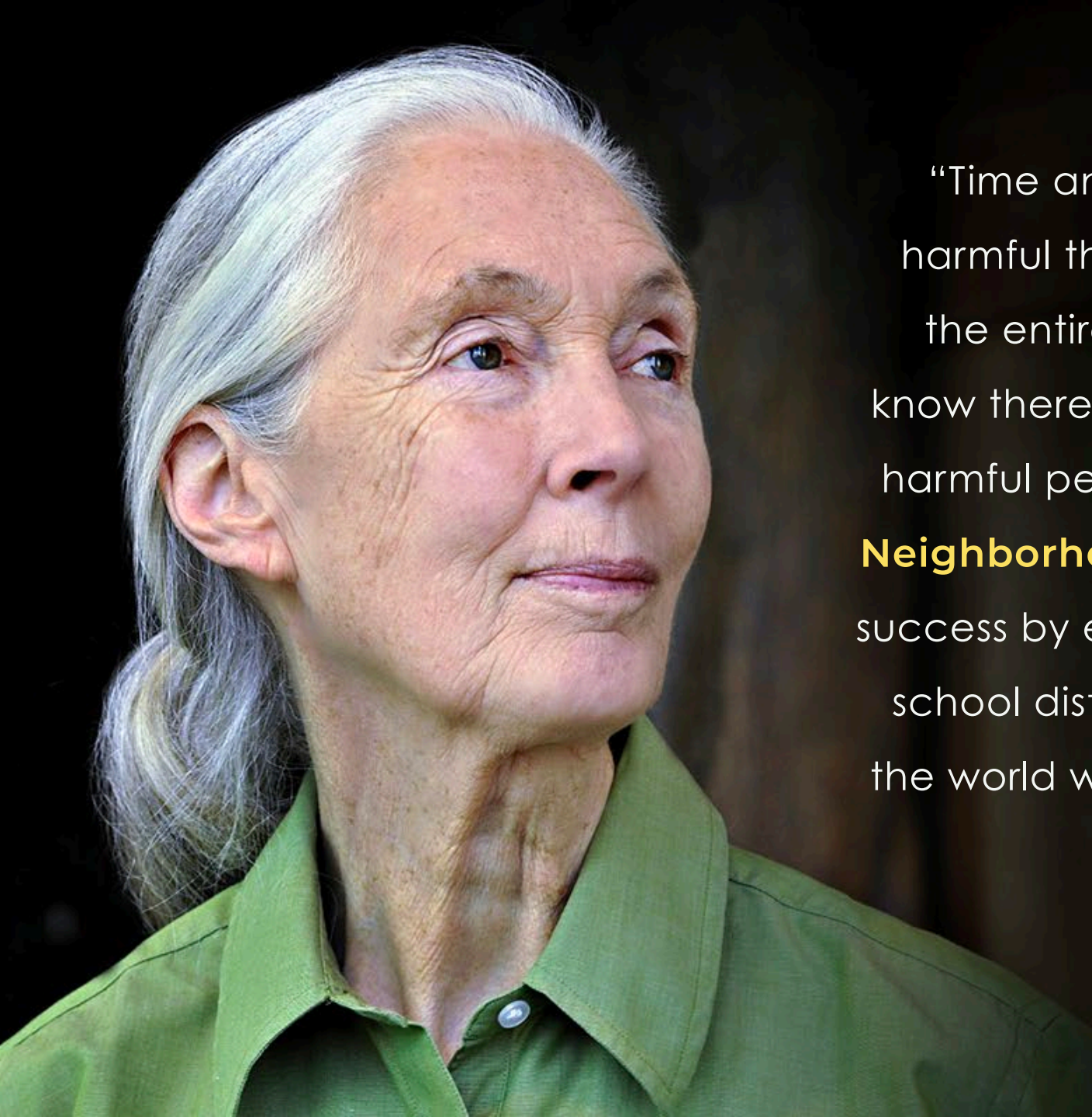


# LIABILITY

From a liability standpoint why are you continuing to allow the use a pesticide in your parks exposing the most vulnerable population? Not only does the World Health Organization's cancer agency state glyphosate is "possibly carcinogenic to humans.", April 2019 a public health agency of the U.S. Department of Health and Human Services (DHHS), the Agency for Toxic Substances and Disease Registry (ATSDR), released the long-awaited Draft Toxicological Profile for Glyphosate.

And, it supports and strengthens the 2015 cancer assessment of another health agency, the International Agency for Research on Cancer (IARC).



A portrait of Dr. Jane Goodall, an elderly woman with long, flowing white hair, looking upwards and to the right with a thoughtful expression. She is wearing a green button-down shirt. The background is dark and out of focus.

“Time and science are revealing just how harmful these toxins can be to humans, and the entire ecosystem. It’s encouraging to know there’s a team working to stop the use of harmful pesticides. A group called **Non Toxic Neighborhoods** is doing good work and finding success by engaging in a dialogue with city and school district leaders. I hope people all over the world will be moved to take similar action.”

– **DR. JANE GOODALL**





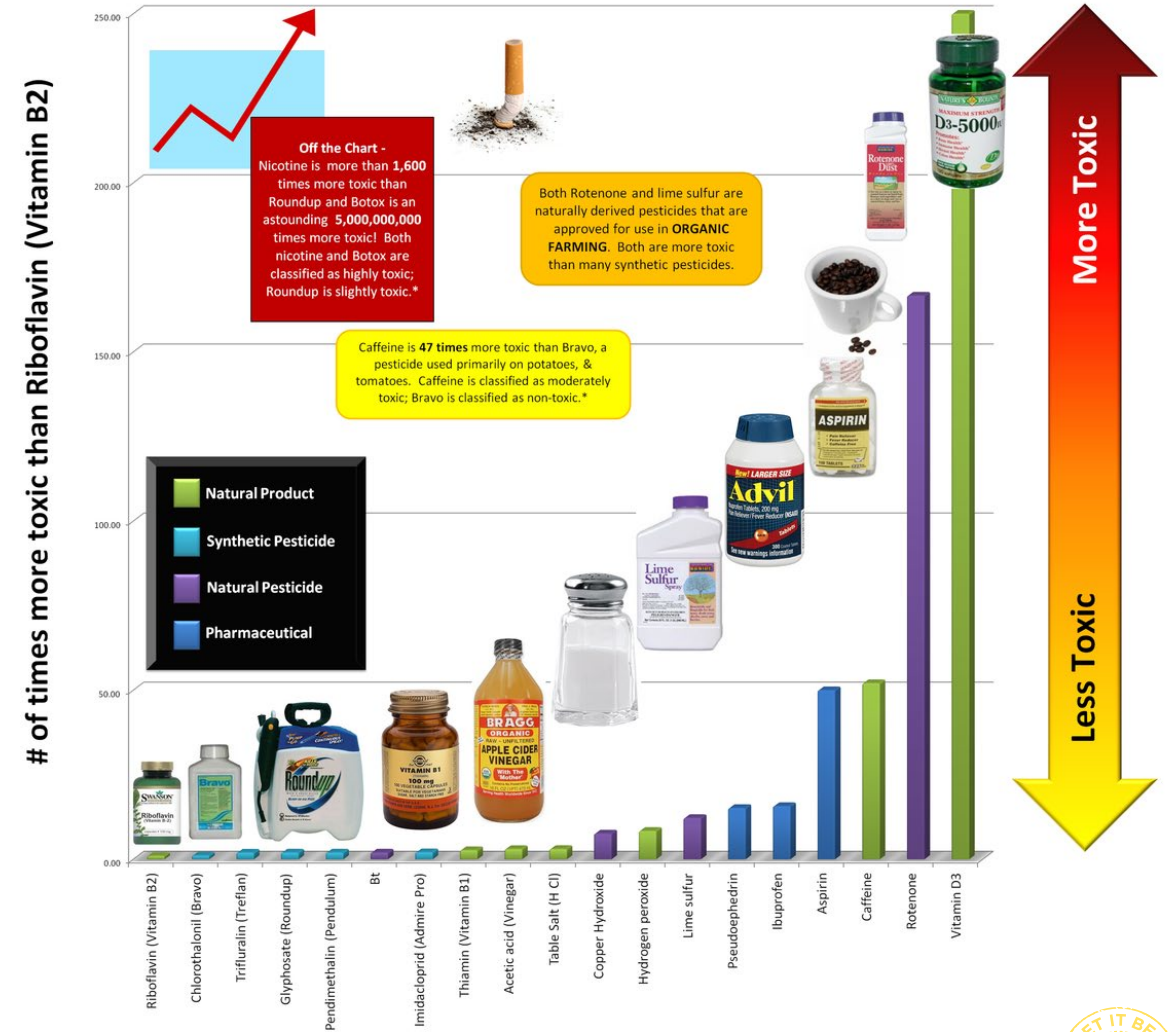
# PROBLEMS

The major problems & dangers with synthetic pesticides do not lie in their acute toxicity. The documented dangers are consistently related to the effects of long-term, repeated exposure.

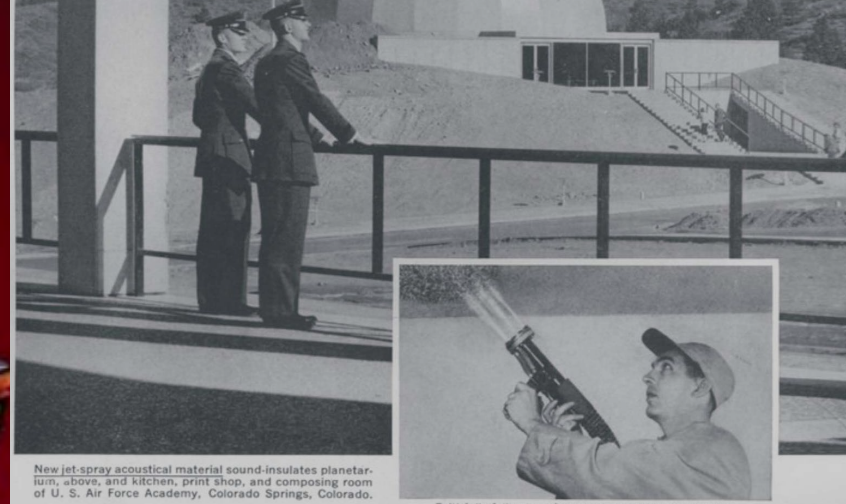
Glyphosate and other synthetic chemicals currently in use are not likely to cause citizens to start dropping dead in the streets upon initial exposure. The effects are cumulative. In 2015, the World Health Organization's International Agency for Research on Cancer (IARC) identified glyphosate, the world's most commonly used herbicide, as a probable human carcinogen.

The chart here illustrates the dose at which 50 percent of some test organism was killed (the so-called LD50).

## How Toxic Is It?







New jet-spray acoustical material sound-insulates planetarium, above, and kitchen, print shop, and composing room of U. S. Air Force Academy, Colorado Springs, Colorado.

Faithfully follows surface contours; hides no details.

**SPRAYED "LIMPET" ASBESTOS**  
**SOUND-CONDITIONS U.S. AIR FORCE ACADEMY**

**This Year's Most Powerful Fly Spray**  
**IS LIQUID DDT KILL-COAT**  
**\*The 2-WAY SPRAY!**

**\* YES SIR 2-WAY BECAUSE**

**\* 3 MONTHS KILLING WHEN SPRAYED ON SURFACES!**

**\* INSTANT KILLING WHEN SPRAYED ON INSECTS!**



He's one of the busiest men in town. While his doct may say *Office Hours* 2 to 4, he's actually on call 24 hours a day.

The doctor is a scientist, a diplomat, and a friendly sympathetic human being all in one, no matter how long and hard his schedule.

*According to a recent Nationwide survey:*  
**MORE DOCTORS SMOKE CAMELS**  
**THAN ANY OTHER CIGARETTE**

**A FEW THINGS THAT  
 WERE MARKETING  
 TO US AS "SAFE"  
 UNTIL ENOUGH  
 PEOPLE GOT SICK:**





“We no longer have the time to point fingers at chemical companies or blame our politicians. We simply don’t have time. The shift and solution reside within us. We need to reinvent the way we function as human beings to move toward truth and solutions. **Non Toxic Neighborhoods** is living the solution in their efforts to ban glyphosate in local parks and communities. We all have a role to play and we can’t wait another minute to take action.”

– ZACH BUSH MD



# ORGANIC PILOT PARK TRANSITIONS

When focusing on soil health,  
incredible growth and transitions  
occurred in a very short time frame.



“Before”  
photo taken  
on July 12, 2018 =



30 days after  
taking the park  
site online =





**RESULTS  
IN UNDER  
2 MONTHS...**





# ORGANIC PILOT PARK TRANSITIONS

Irvine Unified School District  
transitioned to organically maintained  
fields that are safe and beautiful.





# ORGANIC PILOT PARK TRANSITIONS

Soil reports highlight the benefits to the soil's health when you switch to organic landscaping practices. Once the soil health returns it naturally chokes out the majority of weed pressure, resulting in less compaction, and maximization of your water conservation efforts.





# CITY OF IRVINE

The City of Irvine adopted a historic organically-driven landscaping policy February 2016. Since then, the City of Irvine has successfully and organically maintained all pest pressure from weeds to rodents across more than 570 acres of athletic fields, community and neighborhood parks as well as over 800 acres of public right-of-way, including 70,000 trees, street medians, parkways and nearly 1.5 million square feet of facilities.





# CITY OF IRVINE

The City of Irvine has demonstrated that you can maintain and sustain beautiful parks, playing fields and open spaces without the use of harmful and synthetic pesticides.



**“Non Toxic Neighborhoods** are positively impacting communities across the country - and they started as just a group of concerned parents who decided it was time to make a difference.”

**– ADAM SCOTT**





# EFFECTIVE AND SAFE ORGANIC CONTROLS

Thankfully, today proven and effective, safe products & practices are readily available for all communities to replace the use of outdated harmful and toxic chemicals protocol.



# PARTNERS:





# CONTACT NON TOXIC NEIGHBORHOODS

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