

# Day 20: Biodiversity

## GREENEST

Team Name: Four Leaf Clovers  
Username: Four Leaf Clovers  
Email Address: [fourleafcloverspgc@gmail.com](mailto:fourleafcloverspgc@gmail.com)  
School: Jericho High School

# Call to Action

No matter if you're just a student, or if you're an aspiring gardener yourself, you've heard about Roundup before. If you don't know what it is, Roundup is a low-toxicity herbicide that is used in countless schools, universities, and community parks on green spaces.



It supposedly has environmental advantages such as reducing mechanical tillage to remove weeds, which can increase soil erosion, and reduced spraying. However, the main controversy is around its active ingredient: glyphosate. Glyphosate is “possibly carcinogenic to humans”, as rated by the World Health Organization. It is also quite possibly an endocrine disruptor, as it can interfere with the body's endocrine system and disrupt homeostasis. Moreover, it is postulated to be a cause behind birth defects and reproductive issues! Oh, but you ask, aren't farmers and farm workers the only one susceptible to this dangerous chemical? NOPE, not even close!

“Ready GMO varieties allow farmers to spray directly onto crops, which led to a dramatic increase in glyphosate use — and to higher residue levels of glyphosate on food.” And what’s concerning about this information is that “One study found that people who eat a conventional diet have significantly higher levels of glyphosate in their urine compared to those who eat organic. Disturbingly, chronically ill people showed significantly higher glyphosate levels than healthy people.” However, if you think that’s all, you’re dead wrong. Not only does glyphosate affect humans, it also damages the environment. “The extensive use of glyphosate herbicides has led to widespread ecological contamination.” And a study has shown that “glyphosate and related chemicals in 59 percent of surface water samples, 8.4 percent of groundwater and soil water samples, and over 50 percent of soil and sediment samples.” If this isn’t enough to convince you, I don’t know what will! Ban glyphosate today!



# Visuals

## Roundup and Glyphosate Call to Action!

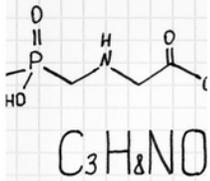


### What is Glyphosate

Glyphosate is "possibly carcinogenic to humans", as rated by the World Health Organization. It is also quite possibly an endocrine disruptor, as it can interfere with the body's endocrine system and disrupt homeostasis. Moreover, it is postulated to be a cause behind birth defects and reproductive issues!



### Glyphosate



### What is Roundup?

Roundup is a low-toxicity herbicide that is used in countless schools, universities, and community parks on green spaces. The main active ingredient is glyphosate.



### Environmental Harms

"The extensive use of glyphosate herbicides has led to widespread ecological contamination." And a study has shown that "glyphosate and related chemicals in 59 percent of surface water samples, 8.4 percent of groundwater and soil water samples, and over 50 percent of soil and sediment samples."

## Ban Glyphosate Today!

Follow our 6-step plan:

1. Do research on glyphosate
2. Make posters or posts on Instagram to spread awareness
3. Join organization such as U.S. PIRG to help spread the cause of banning glyphosate
4. Make petition to ban glyphosate and spread it as much as possible



5. Send it to as many local officials as possible and also send it to as many policymaking officials as possible
6. Buy non glyphosate foods



# Instagram

four\_leaf\_clovers\_pgc

## Roundup and Glyphosate

Call to Action!

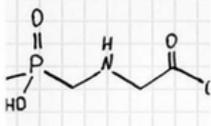


1/3

### What is Roundup?

Roundup is a low-toxicity herbicide that is used in countless schools, universities, and community parks on green spaces. The main active ingredient is glyphosate.

### glyphosate



C3H8NO

four\_leaf\_clovers\_pgc Glyphosate is a dangerous chemical that is an active ingredient in a widely-used herbicide called Roundup. It is shown to be linked to chronic illness and environmental contamination/ degradation and decreases in biodiversity. Learn more today! @turninggreenorg @herbicidedefreecampus @jericho.environmental #pgc2020

8 seconds ago

four\_leaf\_clovers\_pgc

## What is Glyphosate

Glyphosate is "possibly carcinogenic to humans", as rated by the World Health Organization. It is also quite possibly an endocrine disruptor, as it can interfere with the body's endocrine system and disrupt homeostasis. Moreover, it is postulated to be a cause behind birth defects and reproductive issues!



### Environmental Harms

"The extensive use of glyphosate herbicides has led to widespread ecological contamination." And a study has shown that "glyphosate and related chemicals in 59 percent of surface water samples, 8.4 percent of groundwater and soil water samples, and over 50 percent of soil and sediment samples."



four\_leaf\_clovers\_pgc Glyphosate is a dangerous chemical that is an active ingredient in a widely-used herbicide called Roundup. It is shown to be linked to chronic illness and environmental contamination/ degradation and decreases in biodiversity. Learn more today! @turninggreenorg @herbicidedefreecampus @jericho.environmental #pgc2020

8 seconds ago



four\_leaf\_clovers\_pgc



## Ban Glyphosate Today!

Follow our 6-step plan:

1. Do research on glyphosate
2. Make posters or posts on Instagram to spread awareness
3. Join organization such as U.S. PIRG to help spread the cause of banning glyphosate
4. Make petition to ban glyphosate and spread it as much as possible



5. Send it to as many local officials as possible and also send it to as many policymaking officials as possible
6. Buy non glyphosate foods



four\_leaf\_clovers\_pgc Glyphosate is a dangerous chemical that is an active ingredient in a widely-used herbicide called Roundup. It is shown to be linked to chronic illness and environmental contamination/ degradation and decreases in biodiversity. Learn more today! @turninggreenorg @herbicidefreecampus @jericho.environmental #pgc2020

8 seconds ago

Team Name: Four Leaf Clovers

Username: Four Leaf Clovers

Email Address: fourleafcloverspgc@gmail.com

School: Jericho High School