

PGC 2022 Greenest

Team - Panthers

Username - nikitanigania.22@gmail.com

School - Forest Research Institute, Dehradun

Instagram - panthers.pgc2022

Glyphosate is a chemical compound that works as an effective herbicide, or weed killer. It's the most commonly used herbicide chemical in the world, according to a 2016 study in the journal Environmental Sciences Europe. Glyphosate may be sprayed anywhere there are unwanted plants — from commercial farms to private backyards.

Effect of Glyphosate on human health or biodiversity:

1. Impact the metabolism, growth and reproduction of aquatic creatures.
2. Altering the essential gut bacteria of animals such as bees.
3. Unexpected impacts on the tiny critters that form the base of the animal food chain.
4. Carcinogenic to humans, due to a growing body of research linking glyphosate to non-Hodgkin lymphoma and other cancers.
5. Can induce a slew of changes to cellular metabolic and reproductive pathways.

Yes we know that this herbicide is cheaper, easily available and effective but the cons outweighs the very little amount of money we are saving. There are some alternatives to the use of glyphosate, like:

1. Natural acids (vinegar + citric acids)
2. Herbicidal soaps
3. Phytotoxic oils (clove, peppermint, pine, citronella)
4. Manual removal

A call to action: Immediate stop of Glyphosate use and more awareness to the causes so that people themselves eventually stop using it.

To stop the devastating effects of this herbicide, we tried to talk to our garden workers as well as the authorities of the University. As ours is an institute focused towards working on these areas only, there was very less use of these types of herbicides and rather more focus was given on

manual removal or using natural acids. So, we decided to aware our friends and classmates about the issue and they really appreciated our hard work and efforts.

Actionable steps for our Campus ground after reading the Re:Wild Your Campus story would be:

1. Talk to Dean and Chancellor about our motive .
 2. Take permission and put immediate ban on the glyphosate use, if any.
 3. Talk to the ground workers and educate them about the harmful effects.
 4. Take out time in the evenings and weekends to help out the ground workers.
 5. Aware our friends and classmates about the issue.
 6. Properly survey the property timely to keep a check on the growth.
 7. Use the human resource of the campus to keep the ecosystem viable.
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Once introduced as a non toxic herbicide, today it is one of
the most toxic element leading to animal deaths and
cancer, also affecting nearby plants health.

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7 seconds ago



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4:34

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GLYPHOSATE

An effective weed killer
or a
MURDERER?

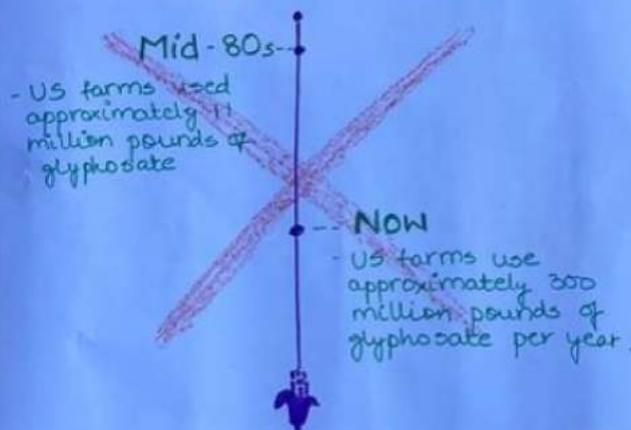
HARMFUL EFFECTS:

- ↓ Reproductive health
- Carcinogenic
- X Metabolic pathways
- Death of zooplanktons
- X Signalling pathway of Bees.



Where am I going?

Glyphosate use



MITIGATION MEASURES:

- Natural acids (vinegar)
- Herbicidal soaps
- Phytotoxic oils
- Manual removal

Let me remove it myself!





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