

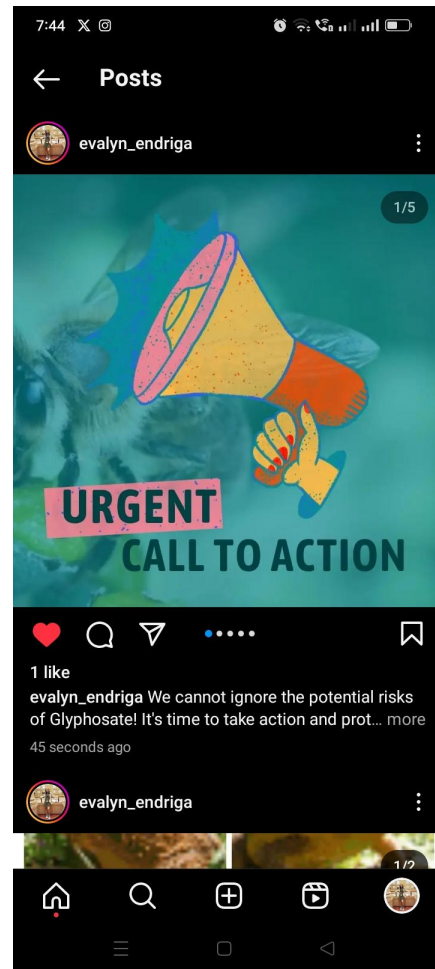
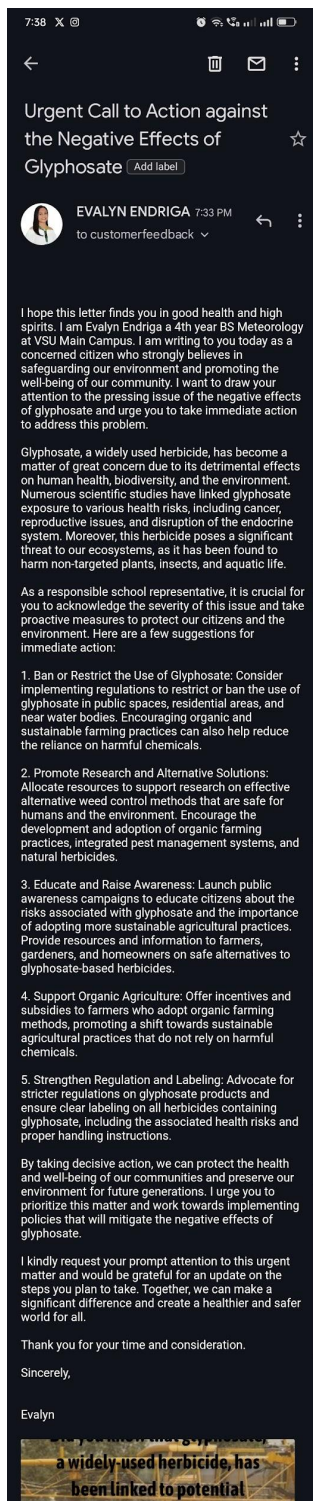
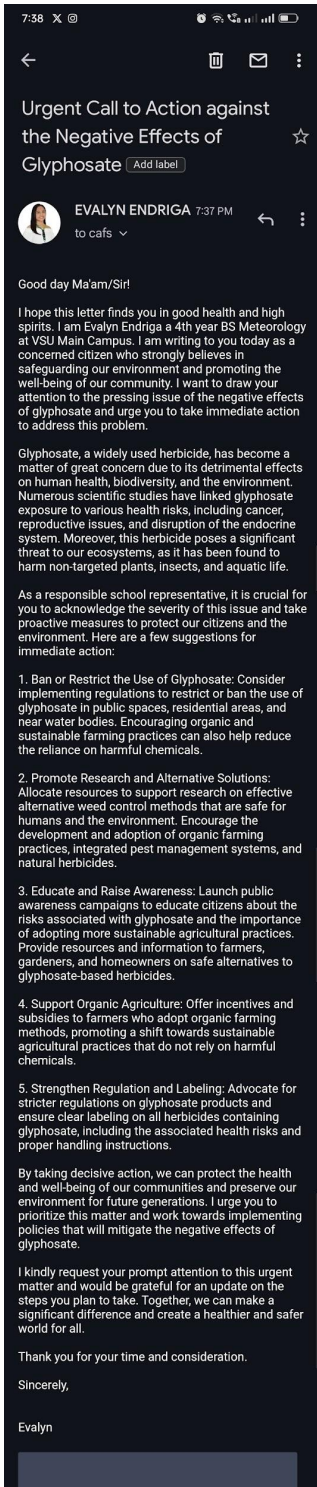
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Day 14: Greenest



🌿🚫 Attention everyone! 🚫🌿

Did you know that glyphosate, a widely-used herbicide, has been linked to potential negative impacts on human health and biodiversity? Studies have shown that glyphosate and its formulations can have toxic effects on human cells, and it has been associated with health issues such as cancer and heart disease [1][2].

We cannot ignore the potential risks! It's time to take action and protect our health and environment. Here's what we can do:

Glyphosate, commonly known as **Roundup**, is a widely used herbicide that poses **significant risks** to both **human health and biodiversity**. **Studies** have shown that even **small doses of glyphosate** can have **negative impacts on our well-being**.

Health Risks:

- Glyphosate exposure has been linked to various health issues, including **cancer** and **heart disease**[1].
- It can **disrupt the endocrine system** and potentially **impact pregnancy lengths**[1].
- Residues of glyphosate have been found in food, lakes, rivers, rainwater, soil, and even human urine[1].
- The **World Health Organization** has classified glyphosate as "**probably carcinogenic to humans**"[3].

Environmental Impacts:

- Glyphosate is likely to adversely affect **93% of threatened and endangered species**[1].
- It **harms aquatic and terrestrial species**, leading to a loss of biodiversity and vulnerability to pollution and climate change[3].
- Glyphosate levels in flowers can **impact the bee microbiome, potentially affecting their health**[2].

There are several alternative solutions to glyphosate for weed control. Some of these alternatives include:

1. Diquat (Reward™): Diquat is a non-selective herbicide that can be used as an alternative to glyphosate for controlling seedling annual broadleaf weeds. It is considered effective but may require more labor or applications compared to glyphosate [1].
2. Pelargonic acid (Scythe™): Pelargonic acid is another non-selective herbicide that can be used as an alternative to glyphosate. It is often used for organic weed control and may be more expensive than glyphosate [1].
3. Glufosinate (Finale™): Glufosinate is a non-selective herbicide that can be used as an alternative to glyphosate. It is commonly used for controlling weeds in landscape plantings and may be more expensive and require more labor or applications compared to glyphosate [1].
4. Vinegar: Vinegar is a natural product that can be used as an alternative to glyphosate for weed control. It is often used for organic weed control and may require multiple applications [1].
5. Manual removal: Manual removal of weeds is another alternative to glyphosate. This method involves physically removing weeds by hand or using tools such as a hoe or shovel [1].

6. Flame, steam, or hot-foam weeding: These methods involve using heat to control weeds. Flame weeding uses a flame torch to burn weeds, steam weeding uses hot steam to kill weeds, and hot-foam weeding uses a combination of heat and foam to control weeds [1].

It is important to note that while these alternatives may be effective, they may also have their own limitations and considerations. It is advisable to carefully read and follow the instructions provided by the manufacturers when using any herbicide or weed control method [1].

REFERENCES

[1] [Are There Alternatives to Glyphosate for Weed Control in ...](<https://content.ces.ncsu.edu/are-there-alternatives-to-glyphosate-for-weed-control-in-landscapes>)

[2] [3 Alternatives to Glyphosate & Roundup](<https://www.centrahtis.com/news/3-alternatives-to-glyphosate-roundup/>)

[3] [Environmentally Friendlier Alternatives to Glyphosate?](https://www.reddit.com/r/lawncare/comments/p1cdr6/environmentally_friendlier_alternatives_to/)