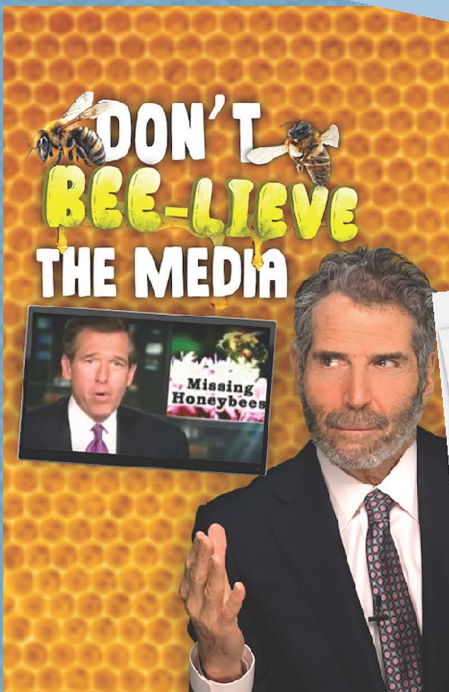
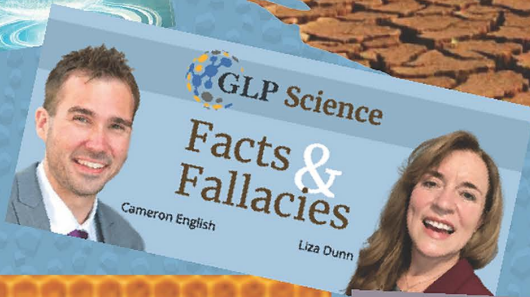
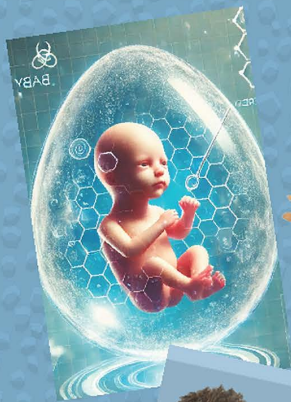


# Genetic Literacy Project

SCIENCE NOT IDEOLOGY

Policy & Performance Review, 2024



*Fact-Based Science to  
Serve the Public Interest*

## Fact-Based Science to Serve the Public Interest

*Challenging the rampant spread of misinformation, the Genetic Literacy Project has emerged as an invaluable resource for the media, think tanks, Congress, government officials, and constructive NGOs across the ideological spectrum.*

— Sir Richard Roberts, 1993 Nobel Prize Winner Physiology/Medicine

*In this age of ‘tabloid journalism,’ the integrity and thoroughness that the GLP brings to its work is much admired and respected.*

— National Association of Biomedical Research

*Jon Entine is a principled, skeptical journalist with the courage to tell the truth, even when it offends. I trust his research and the GLP.*

— John Stossel

The Genetic Literacy Project (GLP) is a media and policy resource dedicated to countering disinformation about science innovation. In today’s polarized climate, technology is a flashpoint in broader cultural and ideological conflicts. Environmentalists, galvanized and uncompromising, increasingly distrust breakthrough technologies they perceive as harmful to the environment and overly beneficial to corporations. Their obstructionism threatens innovation vital to American prosperity and global leadership..

Today’s activists are techno-pessimists, opposing breakthrough technologies and accusing corporations of prioritizing profits over sustainability and technology over nature. The prime target of organic-focused environmentalists: GMOs, CRISPR gene editing, and agricultural chemicals, which they maintain perpetuates ‘factory farming’. Technologically stuck in the 1980s, they favor costly, less scalable renewables over carbon-free nuclear power and oppose inexpensive, climate friendly carbon capture and fracking. They are skeptical of AI, saying it wastes energy, displaces workers, and consolidates power in mega-corporations.

As innovation accelerates, environmentalists have grown increasingly suspicious, prioritizing social justice and nature-based solutions over technological advancements. They attribute environmental problems to lax regulations and corporate greed, often casting themselves as David battling the Goliaths of Big Ag, Big Food, Big Oil, and Big Pharma.

As the focus of activists has shifted from cooperation to confrontation, they seem more interested in hiring fundraisers and lawyers than scientists. They influence media narratives by placing articles disguised as news in outlets like the AP and *The Guardian*. They partner with toxic tort lawyers skilled at extracting billions from corporations that produce consumer goods like talcum powder, Zantac, artificial sweeteners and essential industrial products like the weedkiller glyphosate. Seed funding is provided by Wall Street and progressive philanthropists who contribute millions in dark money donations. Under siege, corporations face a grim choice: settle class action suits for exorbitant sums or risk catastrophic judgments. This ‘new environmentalism’ has ballooned into a \$60 billion a year business.

The GLP is uniquely positioned to challenge these "merchants of doubt," expose their tactics, disrupt their coalitions, and provide a blueprint for response and reform. This is an opportunity to restore faith in science and safeguard American exceptionalism.



GLP founder/Executive Director Jon Entine spent 20 years in network news as an investigative reporter at ABC News 20/20 and PrimeTime Live. Tom Brokaw's longtime producer and head of documentaries at NBC News. He's authored seven books. Jon has collected 19 journalism awards, including two Emmys. He's been a scholar at the American Enterprise Institute focusing on science, business ethics, and sustainability, and a former fellow at the World Food Institute (University of California-Davis) and the Center for Health & Risk Communications at George Mason University.

The GLP has many distinguished contributing writers including: geneticist Ricki Lewis; scientist Andrea Love; horticulturist Kevin Folta; toxicologist Eliza Dunn; physician and biotechnologist Henry Miller; Nobel Prize physicist Sir Richard Roberts; Chief physician, Mass General Hospital for Children Ronald Kleinman; and Nina Federoff, geneticist and former president of the American Association for the Advancement of Science.

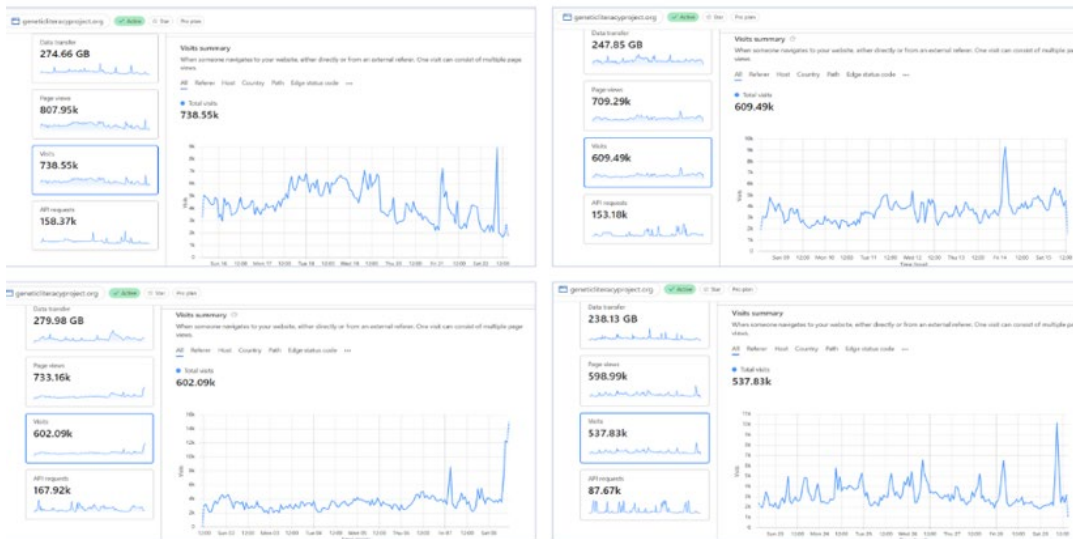
## GLP Impact, Influence, Reputation and Credibility

The GLP was launched in 2011 with grants from the Templeton Foundation and Searle Freedom Trust to debunk science disinformation. It engages with two million readers monthly. Recognizing the importance of engaging younger audiences immersed in social media "filter bubbles," GLP connects daily with thousands of Millennials and Gen Z'ers on platforms like YouTube, Reels, TikTok, and Instagram. The GLP is projected to average 26,000 visitors per day in 2024 (Cloudflare data).




### Genetic Literacy Project: Visitor and Page View Trends (geneticliteracyproject.org)

June 1-29, 2024 Page Views:  
390K-807K/week | ~2.9M/month | ~34.8M/year



The GLP engages with policymakers regardless of ideology. Its articles are featured in prominent media outlets including The New York Times, Wall Street Journal, Forbes, BBC, FOX, Boston Globe, Reuters, Washington Post, Scientific American, The Guardian (UK), Times of London, Quillette, CNN, and NPR. The GLP's reputation for impartiality and evidence-based analysis has led to endorsements from prominent influencers and institutions. BBC Food recently cited the GLP as a credible and balanced resource in science reporting.

## BBC goodfood



### What is GMO food?

By [Stevie Shephard](#)

[10 comments](#)

[Magazine subscription - your first 5 issues for only £5!](#)

Genetically modified food raises lots of questions, from whether it's safe to the environmental benefits. Science writer Stevie Shephard delves behind the headlines with a beginner's guide.

Ultimately, it's down to personal, informed choice. Get the facts and be wary of anyone trying to scare you about what's in your food – they may just be trying to sell you an alternative. A good way to avoid being swayed by the pro- or anti-GMO lobbies is to get the facts from independent projects such as the [Genetic Literacy Project](#).

### The GLP is considered one of the top 10 science sites on the web

- [Science News | Daily news articles, blogs and biweekly magazine covering all areas of science](#)  
Society for Science and the Public
- [EurekAlert! Science News](#)  
American Association for the Advancement of Science
- [Science & Environment - BBC News](#)
- [Discover Magazine: The latest in science and technology news, blogs and articles](#)
- [New Scientist | Science news and science articles from New Scientist](#)
- [Nature News & Comment](#)  
peer reviewed journal
- [Genetic Literacy Project | Science Not Ideology](#)
- [Live Science: The Most Interesting Articles, Mysteries & Discoveries](#)

## Science Rating Sites Assess GLP's Credibility

<b>Media Bias/Fact Check</b>	High Credibility: Identifies GLP as a highly credible source, focusing on evidence-based reporting in genetics and biotechnology.
<b>NewsGuard</b>	Green Site: Evaluates GLP as meeting basic standards of credibility and transparency for accurate scientific reporting.
<b>Science Feedback</b>	Collaborative Partnership: Partners with GLP to provide expert reviews and analysis on scientific news coverage for factual accuracy.
<b>Health Feedback</b>	Collaborative Partnership: Collaborates with GLP to review health and medical news for scientific accuracy and clarity.
<b>AllSides</b>	Center Biased: Rates GLP as a 'Center' biased source, offering balanced, non-partisan, and credible content.
<b>OpenSources</b>	Recommended: Lists GLP as a recommended resource for trustworthy science news and accurate information.
<b>Credibility Indicators</b>	Highly Credible: Highlights GLP as a highly credible source, adhering to journalistic standards and scientific accuracy.
<b>Journalist's Resource</b>	Go-to Source: Includes GLP as a reliable and authoritative resource for science and environmental reporting.
<b>Evaluating Sources</b>	Credible: Recognizes GLP as a credible and dependable source for science information and educational content.

The GLP has been endorsed by dozens of scientists and science journalists around the world. Here are a few examples..

### FINANCIAL TIMES

"In most of the US, the genomic revolution is occurring out of public sight and mind, unless somebody takes the initiative to go online and read about what is happening on websites such as the Genetic Literacy Project."



**Peggy G. Lemaux,**  
Plant and microbial biologist,  
University of California, Berkeley  
Berkeley, California

*"I always try to give my support to GLP. I read it religiously and my outreach group also uses GLP frequently. I try to get them to critically review a lot of the hot topics in the same way they do their research. And it is working. Thank you GLP for your efforts."*

“I have followed the writings of the GLP for many years. The site has evolved into an important resource for science professionals, students, journalists and policy makers struggling with the implications of the genetics revolution in fighting disease and improving agriculture.

– Arthur Caplan, Professor of Bioethics at New York University Langone Medical Center and founding director of the Division of Medical Ethics

“There are powerful, well-financed forces working tirelessly to stoke fear and misunderstanding of biotechnology. The GLP fearlessly and tirelessly stands firmly in their way.

– Steven Novella, clinical neurologist, Yale University School of Medicine, founder of Neurological blog, founded The Skeptics

Numerous media ethics and fact monitoring sites have evaluated the quality, transparency, and impact of the GLP. NewsGuard, a nonprofit and the most respected bias monitor in the US, posts this rating and analysis:



## geneticliteracyproject.org

A website that publishes information promoting the benefits of genetically modified organisms (GMOs), gene editing, and sustainable farming.



**High Credibility:** This website adheres to all nine standards of credibility and transparency.

✓	Does not repeatedly publish false content	22 points
✓	Gathers and presents information responsibly	18
✓	Regularly corrects or clarifies errors	12.5
NA	Handles the difference between news and opinion responsibly	12.5
✓	Avoids deceptive headlines	10
✓	Website discloses ownership and financing	7.5
NA	Clearly labels advertising	7.5
✓	Reveals who's in charge, including any possible conflicts of interest	5
✓	The site provides names of content creators, along with either contact or biographical information	5

### NewsGuard: GLP Credibility

Articles on the [Genetic Literacy Project] website are generally fact-based and well-sourced. Aggregated Stories are republished from credible news organizations such as Agence France-Presse, Scientific American, and NPR. Stories that are original to the site typically source government agencies such as the European Chemicals Agency and U.S. Department of Agriculture, and news providers including Reuters, The New Yorker, and The Washington Post. Headlines accurately reflect content. GeneticLiteracyProject.org says in the About section that every author on the website “has primary responsibility for reporting, writing, and fact-checking their stories ... Reports are subject to review by one or more editors, who retain responsibility to run or not run a story. When pertinent, we review written quotes and audio tapes of interviews.” The page states that senior editors review “every online post.” The Genetic Literacy Project has been referenced as a source in articles produced by the Boyce Thompson Institute’s Alliance for Science, McGill University’s Office for Science and Society, and fact-checking website Snopes, among others. BBC Good Food [see below] mentioned the organization in an undated guide titled “What is GMO food?”, stating that “a good way to avoid being swayed by the pro- or anti-GMO lobbies is to get the facts from independent projects such as the Genetic Literacy Project.”

Media Bias/Fact Check, which assesses the credibility of news organization, rates the GLP as a valuable resource.



Genetic Literacy Project – Bias and Credibility

**PRO-SCIENCE**

These sources consist of legitimate science or are evidence based through the use of credible scientific sourcing. Legitimate science follows the scientific method, is unbiased, and does not use emotional words. These sources also respect the consensus of experts in the given scientific field and strive to publish peer-reviewed science. Some sources in this category may have a slight political bias but adhere to scientific principles. [See all Pro-Science sources.](#)

Bias Rating: **PRO-SCIENCE**  
 Factual Reporting: **HIGH**  
 Country: **USA**  
 MBFC's Country Freedom Rating: **MOSTLY FREE**  
 Media Type: **Organization/Foundation**  
 Traffic/Popularity: **Medium Traffic**  
 MBFC Credibility Rating: **HIGH CREDIBILITY**

**History**

Founded in 2012 by [Jon Entine](#), the Genetic Literacy Project is a non-profit that promotes public awareness and discussion of genetics, biotechnology, evolution, and science literacy. According to The Genetic Literacy Project (GLP), [the goal](#), "through our website and outreach efforts, including the dissemination of educational materials, organizing public and private conferences and initiating briefings with regulators and government officials, is to prevent legislative overreach grounded in ideology rather than science, help in the creation of reasonable ethical and religious oversight of biotechnological innovation, and encourage cooperation among academic and industry researchers, all in an effort to promote the public interest."

## GLP News, Features, Infographics and Other Resources

The Genetic Literacy Project posts a daily "newspaper" with multiple disinformation debunking articles on its front page. It also curates articles from across the web in Daily Digests addressing misinformation and promoting science-based perspectives.

# Genetic Literacy Project

SCIENCE NOT IDEOLOGY

## Viewpoint: Captured by agroecology ideologues – The Conversation fans advocacy group propaganda challenging glyphosate safety

Jon Entine, Kevin Folta | July 25, 2024



## Food & Ag Daily Digest

News from Around the Web

**What can the food sector expect in a Trump administration?**

Anay Mridul | Green Queen

**From genetics to the generation: What does the future hold for agrifood systems and food culture**

Qu Dongyu | Alliance for Science

**Do 'forever chemicals' impact seafood? The FDA wants to know**

Sharon Udasin | The Hill

## Human Daily Digest

News from Around the Web

**Born athletes? Identical twin studies show the balance of genetics vs training**

Alex Hutchinson | Outside

**The queasy possibility that humans and AI could 'evolve' in tandem**

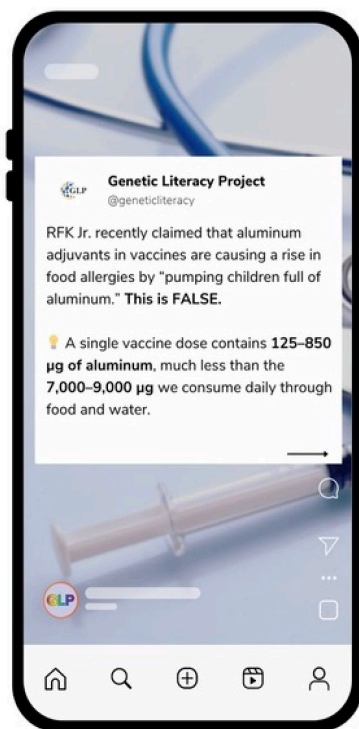
Lance Eliot | Forbes

**Clinical trials involving animals can have a 99.6% failure rate in some instances sparking researchers to find alternatives**

The GLP's weekly Science Facts & Fallacies podcast is hosted by Liza Dunn, physician, toxicologist, and medical outreach lead at Bayer; and journalist Cameron English, former GLP managing director. Jon Entine joins Liza and Cameron as tri-hosts of a weekly X-Space where we discuss compelling science issues



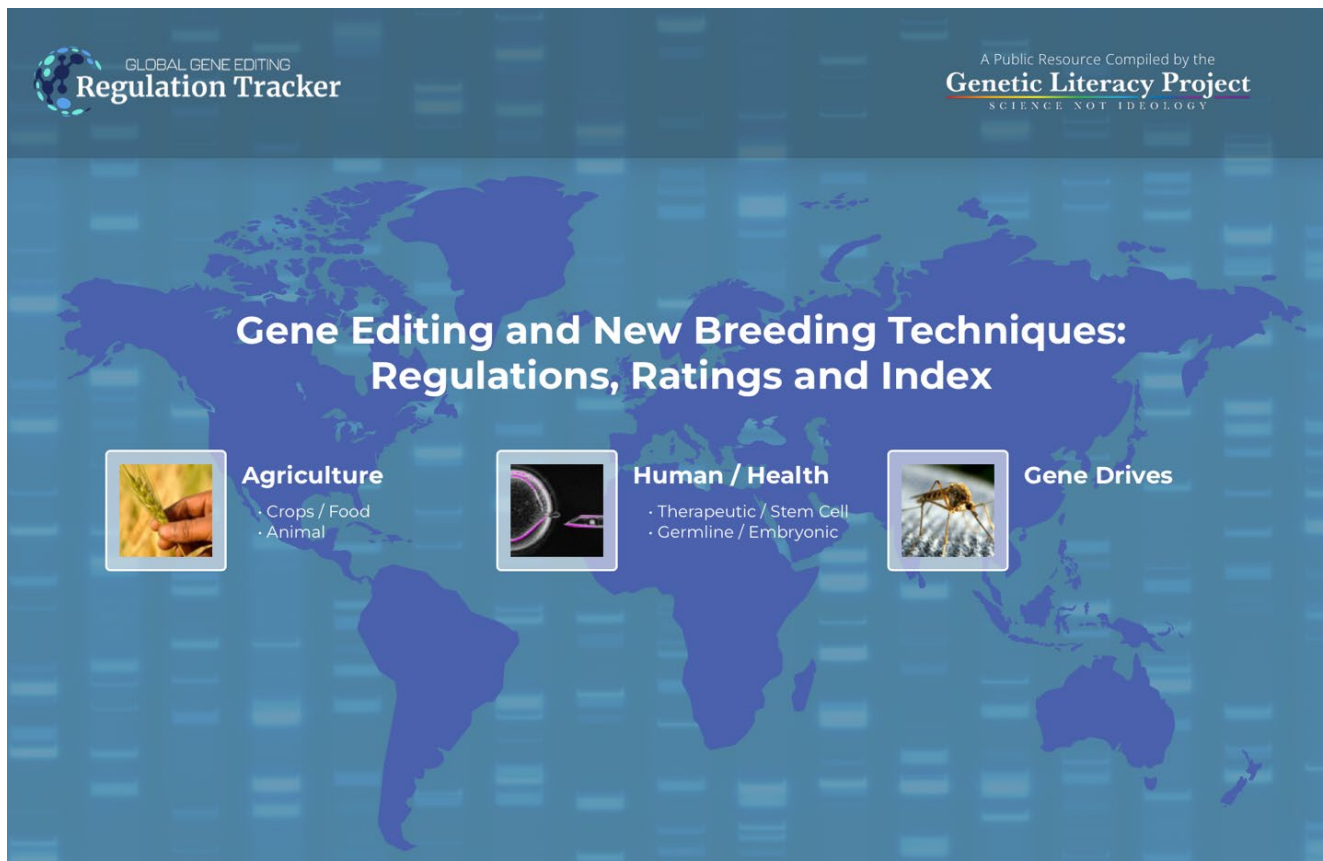
GLP interacts with a younger readership every day on social media platforms including Instagram, Reels, YouTube, Instagram and TikTok, among others.



GLP hosts numerous invaluable resources, updated regularly and available for researchers, journalists, policymakers, and the public, found nowhere else.

- [GMO/Biotechnology FAQs](#)
- [Bees and Butterflies: Facts About Pesticides and Pollinators](#)
- [Sustainable Weed Management: A guide on using crop chemicals](#)
- [GMO Profiles: Who and what organizations challenge consensus science](#)
- [Anti-GMO Advocacy Funding Tracker](#)
- [Pesticides and Food](#)
- [Glyphosate: Global Regulatory Summary](#) (one of more than 50 infographics developed by the GLP, accessible on our site and via search)
- [Global Gene Editing Regulation Tracker](#)

The [Global Gene Editing Regulation Tracker](#) is the GLP's most popular resource with 1.1 million visits since its rollout in 2020. It tracks approvals of gene-edited crops and animals, analyzes the regulatory status of gene editing in dozens of countries, and profiles NGOs trying to block approvals and spread disinformation. It also covers the use of gene editing in medicine and gene drives to control pests. It is updated regularly. The Gates Foundation has praised the tracker as a novel and groundbreaking resource for the science community. Here's a tour:



Clicking [this link](#) opens a trove of resources highlighting gene editing innovations in agriculture, medicine, and gene drive pest control in dozens of countries.



The GLP's most downloaded infographic, viewed more than 471,000 times since 2020, focuses on the global debate over agricultural chemicals and more specifically the herbicide glyphosate. The weedkiller is the most widely used crop chemical in the world. It's also a primary target of environmental activists opposed to conventional agriculture. They maintain it is carcinogenic and have campaigned relentlessly around the world making their case. The GLP has addressed concerns about its potential carcinogenicity and its importance for climate-friendly no till farming.

The GLP has created a graphic that consolidates cancer determinations on glyphosate from 24 assessments. It has links to every study. Every agency reached the same conclusion: the weedkiller is not carcinogenic. As Health Canada noted: "No pesticide regulatory agency in the world currently considers glyphosate to be a cancer in humans".

Despite this scientific consensus, glyphosate remains a target of environmental activists. They partner with tort lawyers, progressive foundations, and wealthy investors in what's become known as the Toxic Tort strategy. They've raised tens of millions of dollars to promote fear through disinformation to damage the reputation of chemical companies.

The goal of activist NGOs is to generate fear and negative publicity to frighten people about the impact of crops chemicals and damage the reputation of chemical companies. The media rarely question the claims of environmental NGOs, often acting as a pass through of propaganda.. It's a legal extortion scheme.

Agency	Year	Conclusion
EPA	2015	"Recent health risk assessment concludes that glyphosate is not likely to be carcinogenic to humans at the levels of exposure likely to be encountered in the real world."
EPA	2015	"The assessment for... (regulatory purposes) concludes that glyphosate is not likely to be carcinogenic to humans at the levels of exposure likely to be encountered in the real world."
NTP	2015	"Little evidence of toxicity, and there was no evidence of glyphosate causing damage to DNA."
Health Canada	2015	"No pesticide regulatory authority in the world currently considers glyphosate to be a cancer in humans."
ECHA	2015	"Based on the assessment data available on glyphosate, there is no evidence to suggest that glyphosate is carcinogenic to humans."
EFSA	2015	"The assessment of the impact of glyphosate on the health of humans... concludes that glyphosate is not likely to be carcinogenic to humans at the levels of exposure likely to be encountered in the real world."
Assessment Group on Glyphosate	2015	"Taking all the evidence into account... glyphosate is not likely to be carcinogenic to humans at the levels of exposure likely to be encountered in the real world."
anses	2015	"Level of evidence of carcinogenicity to animals and humans is considered to be relatively limited."
BfR	2015	"Glyphosate-based products... will no longer be allowed for use from the end of 2015, due to a lack of evidence of carcinogenicity."
Health Canada	2015	"Glyphosate is not likely to be carcinogenic to humans at the levels of exposure likely to be encountered in the real world."
ANVISA	2015	"No evidence to indicate that the herbicide glyphosate is carcinogenic."
Food Safety Commission of Japan	2015	"No carcinogenicity, reproductive toxicity, teratogenicity, and genotoxicity."
Rural Development Administration	2015	"Carcinogenicity studies on glyphosate... found no cancer risk."
World Health Organization	2015	"Glyphosate is unlikely to be genotoxic or carcinogenic during exposure to humans from ingestion through the diet."
World Health Organization	2015	"Under usual conditions, the presence of glyphosate and its metabolites in drinking water is not considered to be a concern for human health."
International Programme on Chemical Safety	2015	"Available data on carcinogenicity... for workers applying glyphosate... are not sufficient to conclude that there is a concern for human health."
AgriFoodNet Health Study	2015	"No association was apparent between glyphosate and any solid tumors or lymphoid malignancies... including non-Hodgkin's lymphoma and leukemia... among exposed groups that require confirmation."
International Agency for Research on Cancer	2015	"Limited evidence in humans for the carcinogenicity of glyphosate... based on studies of agricultural workers... is not sufficient to conclude that there is a concern for human health."
Genetic Literacy Project	2015	"The assessment was apparent between glyphosate and any solid tumors or lymphoid malignancies... including non-Hodgkin's lymphoma and leukemia... among exposed groups that require confirmation."

This [GLP investigative article](#) explains how environmental activists, tort lawyers, and ideologically-aligned scientists amplify the scientifically incorrect view that glyphosate causes cancer. The piece highlights the partnership between, tort lawyers Robert F. Kennedy Jr. and from the Church of Scientology, who initiated the first suits against Monsanto/Bayer. This partnership won the first three cases, collecting hundreds of millions of dollars. Activists spun a 'web of disinformation' to manipulate political and public opinion to restrict perfectly safe crop chemicals.

## Genetic Literacy Project

SCIENCE NOT IDEOLOGY

**Web of Disinformation: How environmentalists conspire with tort lawyers, RFK, Jr. and the Church of Scientology to deceive the public, manipulate the media and fill their coffers**

Jon Entine | July 14, 2023



## GLP Challenges Misreporting

The Genetic Literacy Project stands apart from mainstream journalists in challenging the surge in ideologically driven reporting, and deferring to the views of advocacy NGOs. That was certainly true over the past fifteen years as journalists struggled to explain a mass die-off of bees, which they dubbed a bee apocalypse. At first, environmental groups with close links to the organic industry blamed GMOs. When that claim did not get traction, they floated a new perpetrator also linked to conventional agriculture: neonicotinoids, a popular plant insecticide.

The NGO doomsday narrative surged in 2013 when *Time Magazine* ran a cover report, ‘A World Without Bees’, linking honeybee deaths to conventional farming and neonics. *Time* claimed that the world food supply was under fatal threat because so many crops require pollination from bees. In 2018, the *New York Times Magazine*’s featured a cover story, “The Insect Apocalypse is Here”, which claimed the crisis was now threatening the entire global insect population.



Almost every NGO, from the Sierra Club to your local bee society, leveraged the alleged crisis by featuring pictures of dead bees on their sites — next to donate buttons. The culprit, they maintained, was agricultural chemical manufacturers pushing synthetic poisons with no regard to the global environment.



It’s estimated that environmental groups raked in hundreds of millions of dollars with promises of rescuing the bee population that was never in danger of danger, let alone nearing extinction. NGOs and the pack journalists got the story wrong...way wrong. Not one expert agreed with the doomsday predictions. Honeybees do face health challenges, but insecticides are not a key problem. The GLP asked prominent entomologists where pesticides rank among the top ten threats to bees. “Number eleven.”

The proximate cause of honeybee deaths, entomologists have long maintained, is an invasive mite, the *Varroa destructor*, along with the expansion of urban areas, climate change, and the frequent moving of hives from one part the country to another to facilitate pollination. Yes, bee health is an ongoing concern, but was it a global crisis?

After a decade of exaggerated claims, environmental NGOs began cautiously backing away from their crisis narrative. In 2018, the Sierra Club, one of the most aggressive environmental groups spreading the apocalypse narrative, sheepishly admitted “Honeybees are at no risk of dying off” (ironically they claimed wild bees were the real bees at risk, yet another false narrative).

The GLP ran investigative articles on the faux crisis even before the botched *Time* article concurrently on the GLP site, Huffington Post, and Forbes altogether viewed more than 1.4 million times) even before the botched *Time* cover fiasco, and then again in Slate, the *Washington Post*-owned online site. It garnered 86,000 viewers and 3200 comments.

**SLATE**  
**Do Neonics Hurt Bees?  
 Researchers and the Media Say  
 Yes. The Data Do Not.**

A new, landmark study provides plenty of useful information. If only we could interpret it accurately.

BY JON ENTINE JUNE 30, 2017 • 5:14 PM

**Forbes**

OPINION • SCIENCE & TECHNOLOGY

**Science Collapse Disorder --  
 The Real Story Behind Neonics  
 And Mass Bee Deaths**

Jon Entine *I write skeptically about science, public policy, media and NGOs.*

The GLP has run more than 50+ stories challenging the bee crisis narrative since its founding in 2011. There are more than [50+ reports](#) on the bee and insect controversies collected on the site in a special section. They’ve been viewed 1.3 million times

**Bees & Butterflies**  
*Facts about pesticides and pollinators*

**Beepocalypse Myth Handbook:  
 Assessing claims of pollinator collapse**  
 Jon Entine | Genetic Literacy Project

- Now that the bee pocalypse and its link to agricultural chemicals have been discredited, let's review the (faux) claims of a pesticide-caused insect collapse  
 Henry Miller, Jon Entine | Genetic Literacy Project | May 24, 2024
- Fresh from European ban victory, anti-chemical activists turn their sights on Canada, targeting neonicotinoid pesticides as a 'bee killer'  
 Jon Entine | Genetic Literacy Project | April 24, 2019
- A Jungle Gym for the Mind  
 John Stovell | John Stovell TV | May 22, 2024
- Latest ecological fake news scare: Like the 'honeybee armageddon' narrative, pesticide-driven 'insect pocalypse' claim is collapsing  
 Jon Entine | Genetic Literacy Project | March 21, 2019
- Video: John Stovell and GLP's Jon Entine on the faux bee-apocalypse—How environmental groups and the media manufacture chemical scares  
 John Stovell, Jon Entine | Genetic Literacy Project | May 22, 2024
- Viewpoint: As global honeybee population increases, activists blame neonicotinoid pesticides for 'insect pocalypse' that's not happening  
 Jon Entine | Genetic Literacy Project | November 13, 2018
- Are we facing an 'insect Apocalypse' caused by 'intensive, industrial farming and agricultural chemicals'? The media say yes. Science says 'no'  
 Jon Entine | Genetic Literacy Project | April 12, 2024
- 'Gold standard' assessing neonicotinoids: Field bee hive studies find pesticides not major source of health issues  
 Jon Entine | Genetic Literacy Project | October 12, 2018
- Analysis: Do neonicotinoid and glyphosate pesticides threaten bees? A reassessment
- Rethinking the pesticides-neonicotinoids-bee health crisis narrative: Why the media get it wrong

# GLP Reporting on Bees Uponds the Broken Media Narrative

It took until 2024 before even one prominent news organization—the Washington Post—publicly acknowledged that it had misreported the story for a decade.



In a remarkable turn of events, Bryan Walsh, the author of the *Time* cover story and now an editor at *Vox*, acknowledged he had been swayed by the ‘common wisdom’ and botched his original reporting.

## **Vox** Why the death of the honeybee was greatly exaggerated

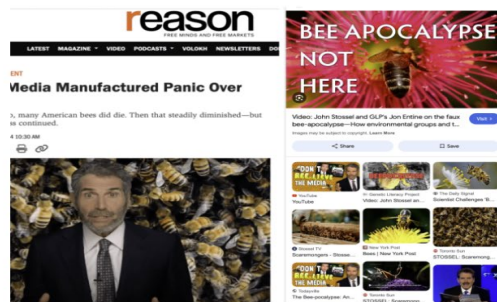
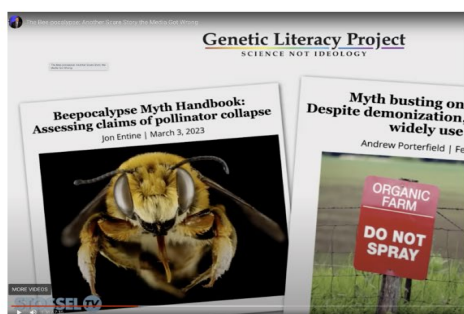
“[T]here are the stories that haven’t aged all that well. Case in point: In 2013, I wrote a feature for *Time* magazine with the cover line: “A World Without Bees.” ... [A]s you may have noticed on your last visit to the supermarket, our agricultural system hasn’t collapsed. ... The USA may have more honeybees than ever before,” he wrote in his mea culpa. The honeybee hive population in the U.S. now stands at a 40-year high.

An ironic twist: While acknowledging that honeybees are just fine, Walsh bumbled into yet another misrepresentation, claiming wild bees were dying because of chemicals and capitalism. That’s not accurate either as the GLP reported years before. The collapse of the honeybee crisis narrative erupted as a major story later in 2014. John Stossel, who has a weekly internet-based program that debunks media misinformation, featured the GLP (segment viewed more than 2.4 million times).



### The Bee-pocalypse: Another Scare Story the Media Got Wrong

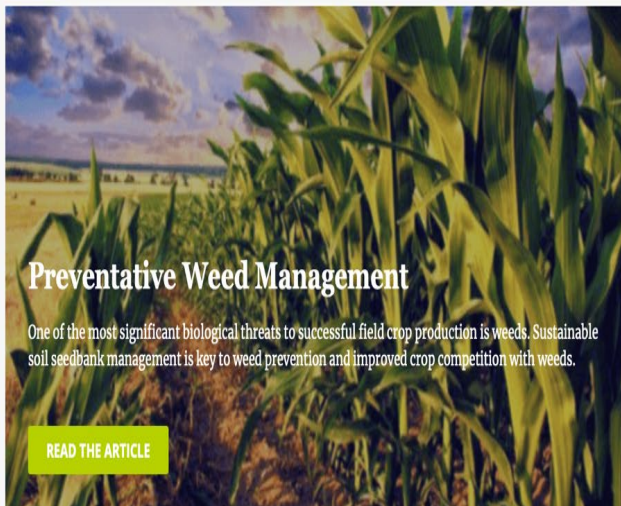
Have you heard? The honey bees are dying! At least, that's what the media and big money-hungry environmental groups want ...



## Chemicals and Climate Change: Solutions Not Politics

The GLP has a strong commitment to educating the public about the safety and importance of crop protection chemicals in modern agriculture. While synthetic chemicals like herbicides, insecticides, and fungicides are essential for both conventional and organic farming, public skepticism—often fueled by "chemophobia"—remains a significant barrier to informed discussions and informed policy decisions. Mismanagement of these chemicals can indeed pose risks, but as toxicologists emphasize, "the dose makes the poison."

The polarized debate surrounding agriculture chemicals has made it challenging to have rational discussion about their benefits and hazards. In spring of 2004 the GLP launched a unique resource to address that controversy and provide a public guide: Sustainable Weed Management. The GLP runs it on two platforms: on the GLP and on an independent site created to enhance its searchability.



### Preventative Weed Management

One of the most significant biological threats to successful field crop production is weeds. Sustainable soil seedbank management is key to weed prevention and improved crop competition with weeds.

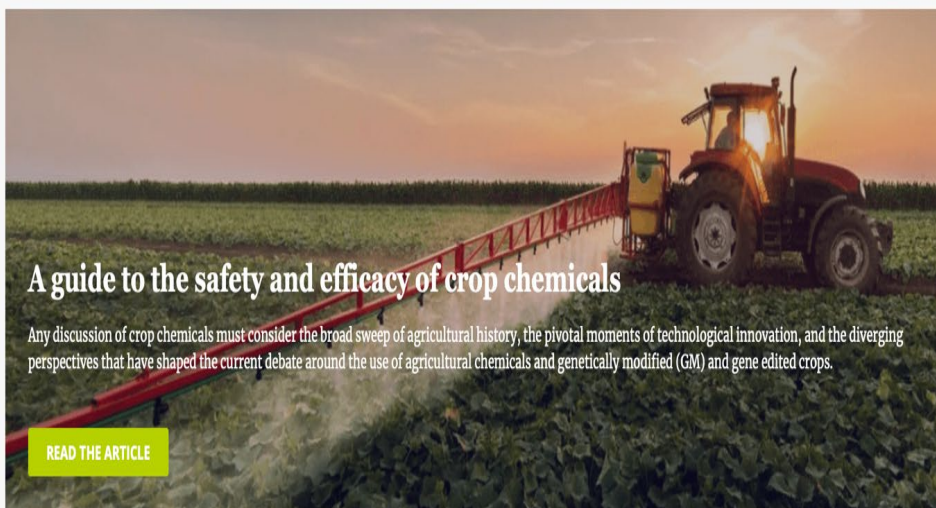
[READ THE ARTICLE](#)



### Biomonitoring Fact Sheet

Biomonitoring measures if an individual or population is over-exposed to toxic chemicals.

[READ THE ARTICLE](#)



### A guide to the safety and efficacy of crop chemicals

Any discussion of crop chemicals must consider the broad sweep of agricultural history, the pivotal moments of technological innovation, and the diverging perspectives that have shaped the current debate around the use of agricultural chemicals and genetically modified (GM) and gene edited crops.

[READ THE ARTICLE](#)

More than 210,000 people have viewed articles on the two sustainability sites since their rollout in summer 2024. They have been well received by the media and science communities.



**Allan Wenck, PhD, JD** · 1st  
Agricultural Innovator and Leader  
2w · 🌐

This is an amazingly thorough and thoughtful analysis! Well worth the projected 20 minutes read! It is much more than 20 minutes of thought! Thanks [Jon Entine](#) and [Genetic Literacy Project](#)



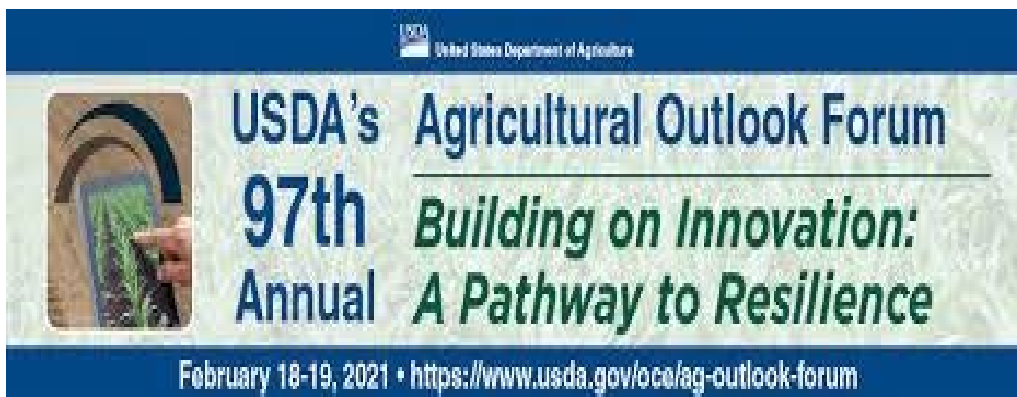
**Jon Entine** · You  
Exec Dir, Genetic Literacy Project; former Sr Fellow, Univ of Cal-Davis Institute for Food and Agricultural...  
2w · 🌐



**Debating sustainable agriculture, weed manage...**  
geneticliteracyproject.org · 23 m...

## GLP Community and Educational Engagement

GLP organizes private-public dialogues (Univ of Florida, Univ of California- Davis, Penn State, Oregon State) that bring together journalists, scientists, and farmers, to discuss public engagement strategies on biotechnology. The GLP has headlined panels on sustainable agriculture at conferences around the world. In 2021, GLP was selected by the US Department of Agriculture to give the keynote at the annual Agricultural Outlook Forum. Titled, *Addressing Climate Change and Sustainability Through Innovation*, it advocated for cooperation between advocates of organic and conventional agriculture.



## Addressing Climate Change and Sustainability Through Innovation

*A discussion of how genetic innovations continue to enhance agricultural productivity and offer promise in addressing climate change and other environmental challenges. The speakers will also discuss the role of public policy and how the regulatory and trade environment can affect the adoption of these technologies.*

**Moderator/Discussant:** Dr. Alison Van Eenennaam, Department of Animal Science, UC Davis

### Panelists:

- Jon Entine, Founder and Executive Director, The Genetic Literacy Project ([Slides](#)) (PDF, 4.8 MB)
- Tim Bettington, Exec. Vice President and President of U.S. Operations, Zoetis ([Slides](#)) (PDF, 1.9 MB)

As an educational and media focused nonprofit, the GLP makes its library of stories, podcasts, infographics, and other resources available to academic institutions. More than 340 universities and schools across North America and globally interface with GLP's database of 39,000+ articles and resources, using them in the classroom and in research projects. Here is a partial list of our global GLP educational web.



# **Genetic Literacy Project**

**SCIENCE NOT IDEOLOGY**

Science Literacy Project/Genetic Literacy Project

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