



Meeting Existential Challenges

Empowering Action for Change with Science

This issue of *Pesticides and You*, a compendium of scientific research on pesticide threats to human and environmental health, is a breathtaking warning from the science community that our laws are not protecting us and a shift away from toxic pesticide use is urgently needed.

Included in this issue are scientific reviews of research reported by Beyond Pesticides in 2023, providing a critique of the independent peer reviewed literature with a shocking range of adverse effects, including cancer, neurotoxicity, brain effects, reproductive impacts, diabetes and obesity, chronic kidney and liver disease, Parkinson's, respiratory illness and asthma, learning and behavioral abnormalities, and more, as well as disproportionate harm to people of color. In addition, the science documents pesticides' catastrophic harm to the ecosystems that sustain life. In total, these dramatic findings call for an end to the use of toxic pesticides, incompatible with respect for living organisms and unconscionable given the availability of viable, cost-effective organic practices.

This issue adds to the body of knowledge from two previous issues of *Pesticides and You* (*Transformative Change: Informed by Science, Policy, and Action*, and *Retrospective 2021: A Call to Urgent Action*) with scientific warnings that keep getting louder.

The abject failure of the law and regulations to respond to the scientific warnings on these pages has contributed to existential crises, including severe health threats, biodiversity collapse, and the climate emergency—and calls for holistic solutions, rather than piecemeal approaches focused on individual chemical restrictions. In this context, articles about organic land management and crop production practices that are ecosystem compatible inform the path forward.

The findings and citations in this issue are supplemented by Beyond Pesticides' *Pesticide-Induced Diseases Database* and other documentation housed on the organization's website. All links to reference material, highlighted in blue text, are available in the electronic version of this issue.

ABOUT THE COVER

We designed the cover of this issue to capture the eyes of living beings, representing all life on the planet, who are watching to see that we as a nation and with the global community take the necessary steps to urgently end our dependency on petrochemical pesticides and fertilizers—which contribute to health threats, biodiversity collapse, and the climate emergency—and transition to regenerative organic practices. For our livable future...

Jay Feldman and Jocelyn Cordell

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CONTENTS

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4 Introduction

11 Toxicology—Human Health Threats

Breast cancer and other cancers; Disruption of the endocrine system (the message system of the body leading to cancer and other effects); Reproductive effects; Parkinson's disease; Liver damage; Metabolic disorders; Chronic kidney disease; Diabetes; Obesity; Shingles; Pregnancy and reproductive complications; Developmental effects in children; Nervous system disruption; Neurodevelopmental problems; Seizure disorders including epilepsy; Gut-brain effects; Behavioral effects; Asthma and respiratory disorders; Mast cells impact (immune system regulators); Brain effects; Pregnancy and fetal effects; PFAS contamination linked to a large range of effects including cardiovascular risks; Issues pertaining to indoor air contamination; Highly destructive accidents; Regulatory weakness that questions scientific integrity and conflicts of interest; and Pesticide dangers at golf courses.

73 Disproportionate Harm

Global malnutrition linked to pollinator decline with highest threat to low-income; Governmental support of environmental justice to ameliorate disproportionate effects of pollution and climate change; History of disproportionate harm on Juneteenth; Neurodevelopmental disorders; Effects to farmworker pregnancy; Indigenous people's knowledge applied to protecting biodiversity; and National Forum session on toxics, human rights, and environmental justice.

87 Threatened Biodiversity and Ecosystems

Limits of mitigation measures to protect pollinators; Degradation of color discrimination in pollinators; Fungicide linked to adverse brain effects through oxidative stress; Impacts on bee gut microbiota; Adverse impacts on birds; Butterfly decline; Insect decline; Waterway contamination; Dying oceans; Threatened endangered species; and Bee-toxic pesticides.

119 Pest Resistance and Failed Efficacy

Disease transmission through pesticide-resistant mosquitoes; Bed bug resistance; Resistant Colorado potato beetle attacked with genetically engineered pesticides; Incomplete data on RNAi; Antibiotic resistance; Glyphosate causing reduced crop yields and climate effects; Organic compared to glyphosate on yields and climate; EPA failure to conduct pesticide efficacy reviews; and Crop failure with genetically engineered plants.

131 Organic Transition and Nontoxic Practices

Soil health in climate debate; Perennial crops to fight biodiversity collapse; Crop diversification and Intercropping; Cultivating natural predators; Organic pilot sites in New York City parks; NFL calls for end to synthetic turf; Strengthened USDA organic enforcement exceeds chemical-intensive agriculture; National Organic Standards Board issues; Challenging hydroponic organic; Strengthen EPA's Safer Choice with organic compatible practices and products; and California Roadmap weaknesses.