

# THE VICIOUS CYCLE OF PESTICIDES

**Pesticides are manufactured by companies and sold for profits**

**PESTICIDES FIND THEIR WAY TO THE ENVIRONMENT AND TO OUR BODIES**

**PESTICIDES CONTAMINATE SOIL**

**School children are continuously being exposed to the pesticides from adjacent or neighboring farms**

**PESTICIDES CONTAMINATE THE AIR, WATER AND FOOD**

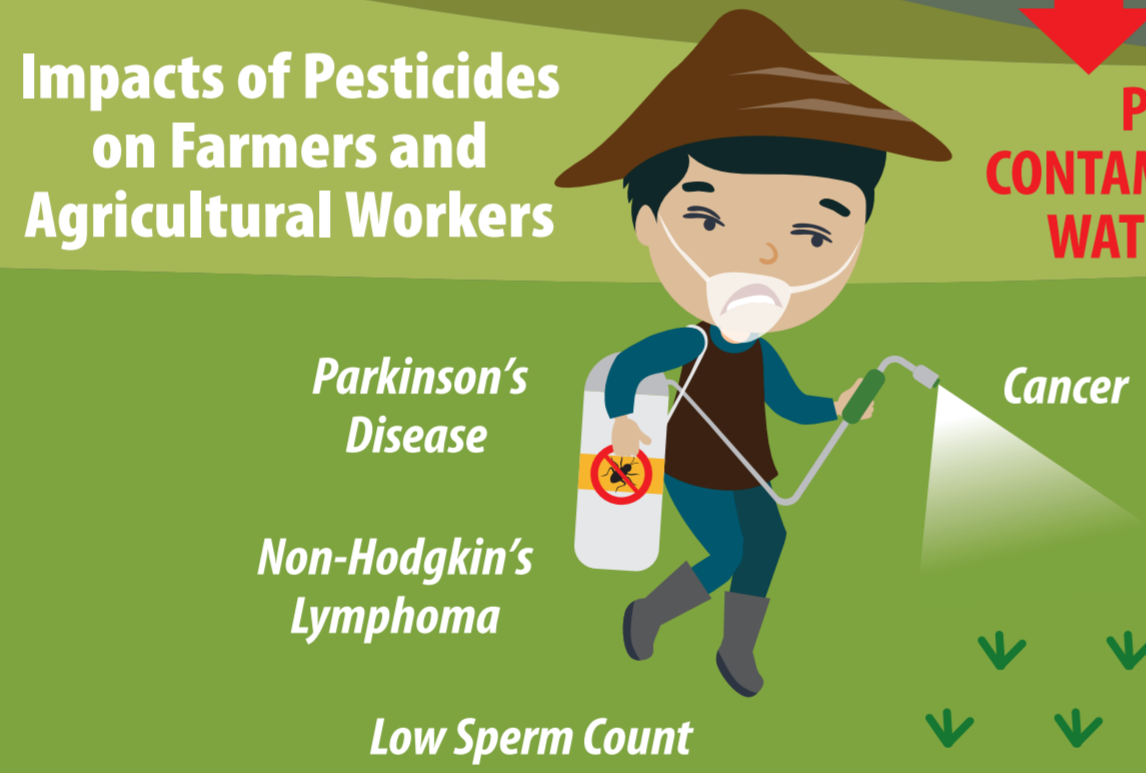
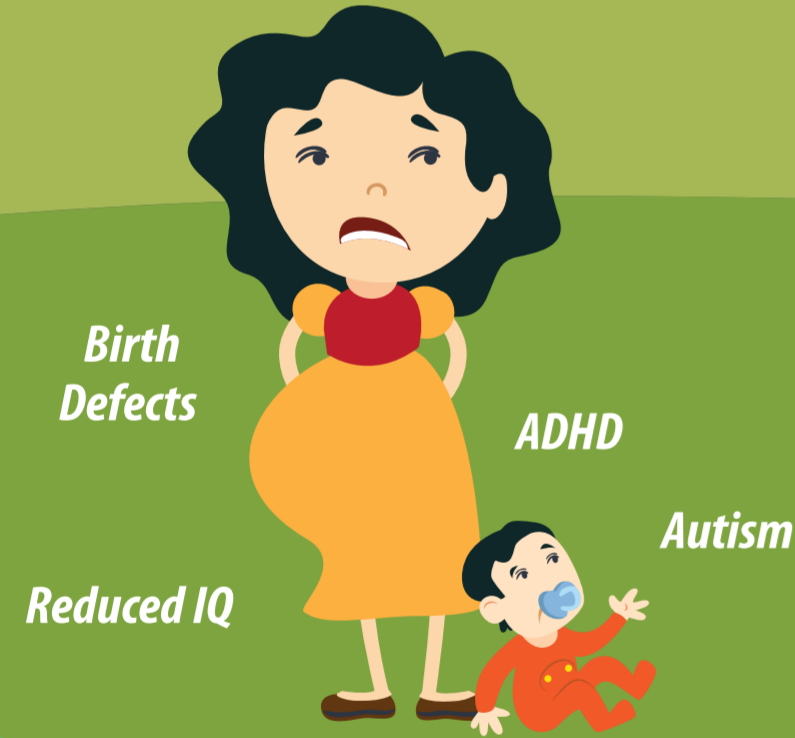
**PESTICIDE RESIDUE RUN-OFF INTO RIVER**

**Impacts of Pesticides on Children**

**Impacts of Pesticides on Farmers and Agricultural Workers**

**Impacts of Pesticides on children in utero**

**Impact on Aquatic Organisms – fish death, loss of biodiversity**



Birth Defects  
ADHD  
Autism  
Reduced IQ

Parkinson's Disease  
Cancer  
Non-Hodgkin's Lymphoma  
Low Sperm Count

Poor Mental Development  
Cancer  
Leukemia  
Respiratory Diseases



## What are Highly Hazardous Pesticides (HHPs)

- Highly hazardous pesticides are those that have high potential to cause illness, injury or death to humans and animals or damage to the environment.
- Pesticides are widely used in agriculture and food production, homes, schools, gardens and public places.
- Pesticides can also pollute our water, air and living environment.
- Pesticides can travel far and wide and are found almost anywhere in the world.
- Some pesticides can stay in our bodies and in the environment for a very long time.

## Water Contamination & Pesticides Issue in Cameron Highlands, Malaysia

- Widely banned highly hazardous pesticides have been found contaminated tap water and rivers water in Cameron Highlands.
- Endosulfan, endrine Ketone, aldrin and DDE were found in five sampling sites conducted by Universiti Kebangsaan Malaysia (UKM) from August – December 2014 at the Bertam and Terla rivers, as well as in the tap water in Brinchang town.

## Schools are no longer safe learning environments

- Many school children in Asia (both rural and urban areas) are exposed to pesticides while they are in supposedly safe learning environments.
- Due to pesticide drift, school children are continuously being exposed to pesticides from adjacent or neighboring farms. School children and their teachers are unknowingly being exposed to pesticides without their consent.
- Pesticide drift poses serious environmental and health risks, especially to children.

## Protect Our Children from Toxic Pesticides

1. Call for a 2km buffer zone to protect children from toxic pesticides. This would be a comprehensive zone where pesticides cannot be applied.
2. Assist farmers, particularly in these zones, to transition to agroecology so that they can replace pesticides with non-chemical methods of management.
3. Ban and phase out of Highly Hazardous Pesticides especially the "Terrible Twenty".