

Benefits of Organic Gardening

Insecticides

- Carbofuran - highly toxic
- Chlorpyrifos - risk of lung cancer
- Thailand is the 5th amount of insecticides used and 4th of herbicide use

Pesticides

- Hormone disrupters
- Risk of breast cancer
- Non-persistent, Moderately persistent, Persistent

Roundup

- Popular chemical weed killer
- has glyphosat

Atrazine

- Top selling herbicide
- Detected in many rivers, water supplies
- Castrate male frogs into females

Borax (Sodium Borate)

- Found in detergents, cosmetics
- risk liver cancer



Polystyrene Foam Boxes

- Leak chemicals into food under heat
- Contains **benzene**
 - cause bone marrow damage, leukemia
 - cancer-causing substance

Polyvinyl Chloride : PVC

- Contains **phthalates**
 - makes it soft and flexible (bottles, baby's teething rings, nail polish)
 - subjected to heat - leak into beverage - acidic

Polycarbonate

- drinking bottles, food containers
- release **bisphenol A**
 - makes them clear and unbreakable
 - retard brain development

Beer and Coke cans

- **Phosphoric acid** (makes it fizzy) interacts with **aluminium** can
 - can make a hole in the can over time
 - **aluminium poisoning** - poisonous to nervous system

Cosmetics

- contains **magnesium aluminium silicate** - prevent caking and give smooth application

Conventional farming

- results in **higher crude protein content** but **poorer quality protein** than organic content
- high N levels which is lower content of essential amino acids

