



# Pesticides



# Bug Spray



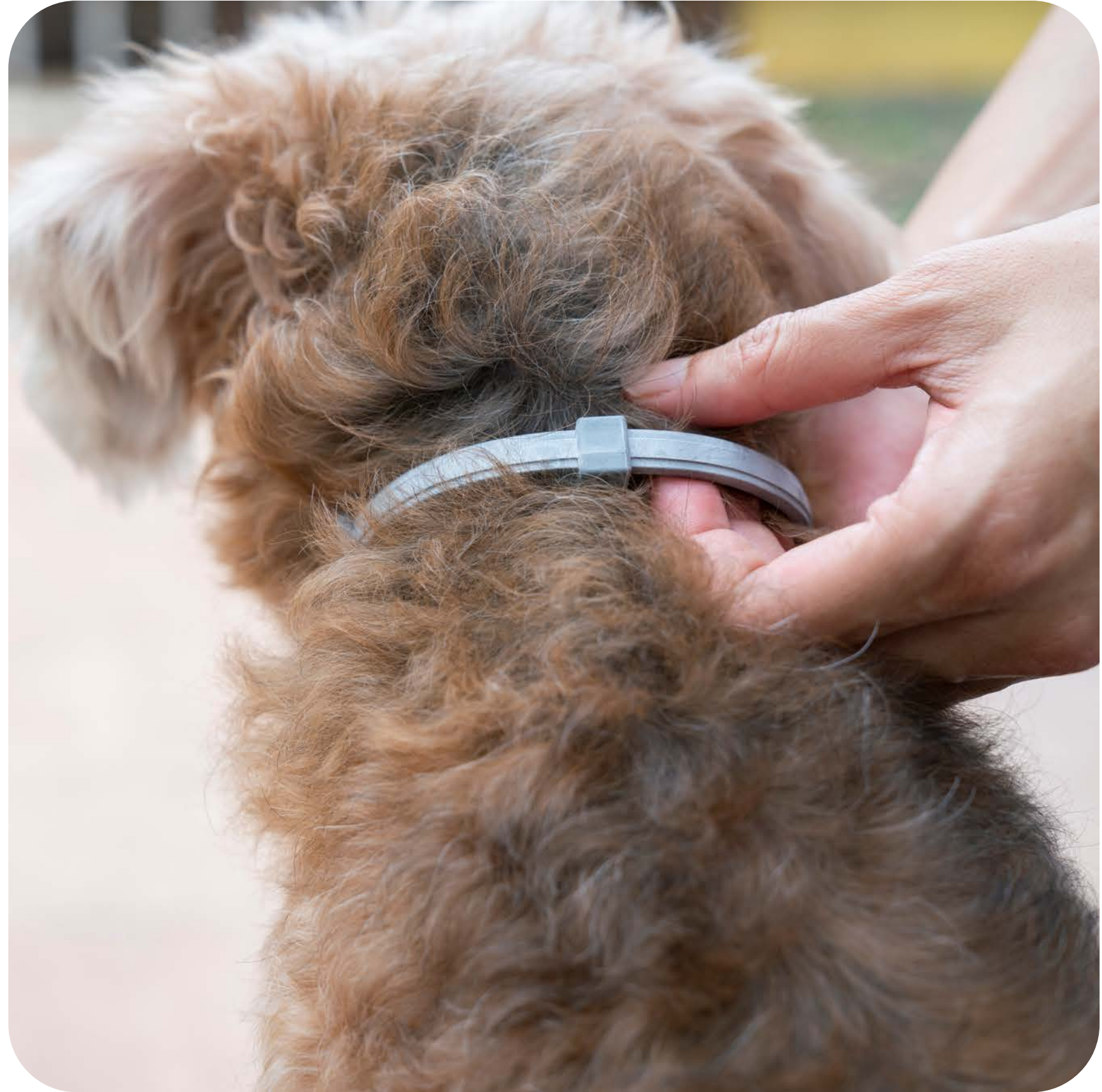
# Weed Killer



# **Insect Repellents**



# Flea & Tick Collars



# Disinfectants



**Small droplets from  
indoor pesticide use  
can end up on surfaces  
and expose children**



**Pesticides sprayed  
outdoors can drift  
indoors through the air  
or ventilation systems**



**Pesticides can also  
seep into the soil and  
groundwater**



**Pesticides can take a  
long time to break  
down, which  
increases children's  
risk of exposure**



# Sources of Pesticide Exposure



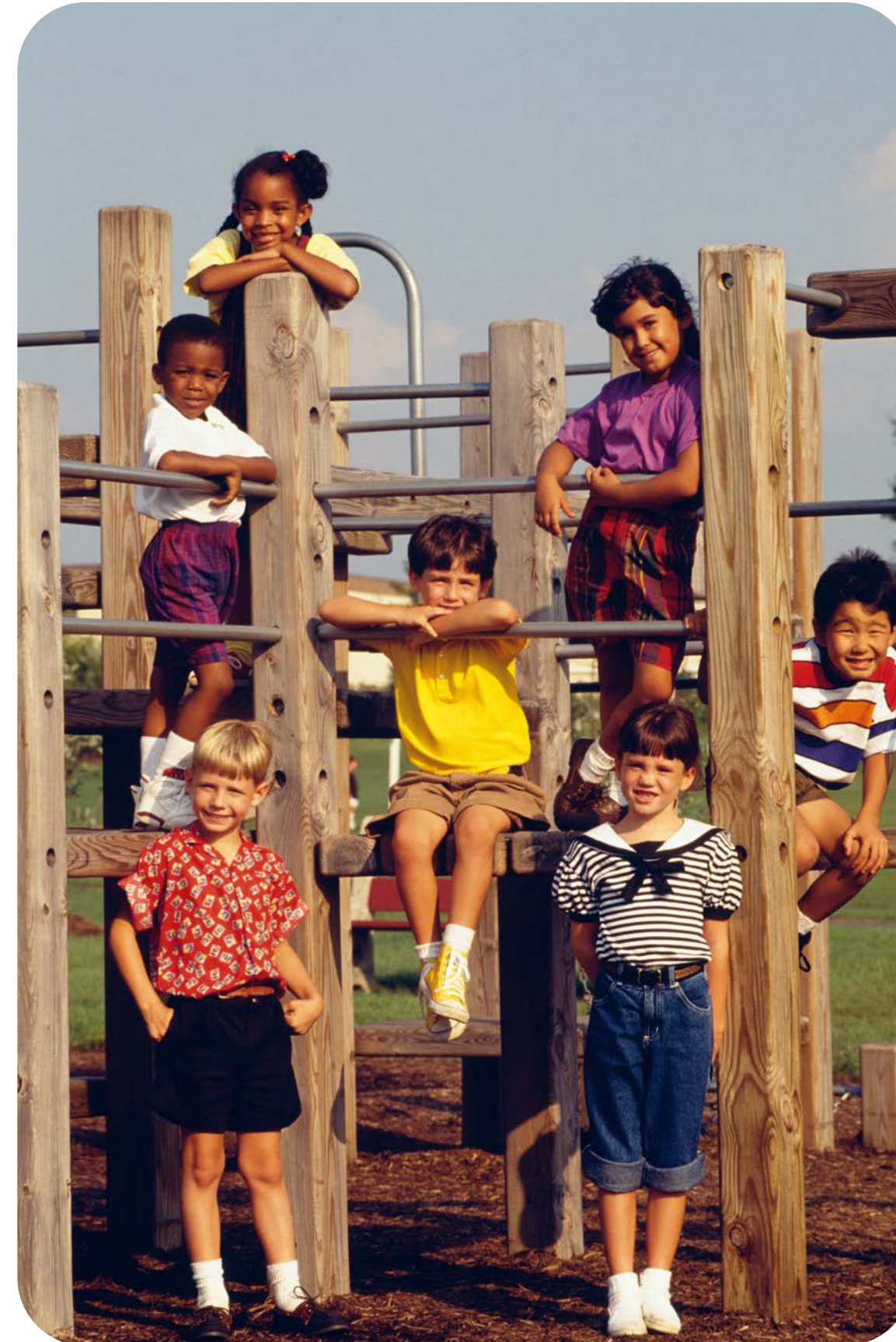
# Playing on Treated Floors



# Lawns



# Play Structures



# Pesticide-Treated Foods



# Handling Pets



# Drinking Contaminated Water



**Children are at higher  
risk for health  
complications from  
pesticide exposure  
because of their small  
size and developing  
nervous system**



# Acute Pesticide Poisoning



# Acute Pesticide Poisoning



Difficulty  
Breathing

# Acute Pesticide Poisoning



Difficulty  
Breathing

Chest  
Tightness

# Acute Pesticide Poisoning



Difficulty  
Breathing

Chest  
Tightness

Vomiting

# Acute Pesticide Poisoning



Difficulty  
Breathing

Chest  
Tightness

Vomiting

Cramping

# Acute Pesticide Poisoning



Difficulty  
Breathing

Chest  
Tightness

Vomiting

Cramping

Diarrhea

# Acute Pesticide Poisoning



Difficulty  
Breathing

Chest  
Tightness

Vomiting

Cramping

Diarrhea

Blurred  
Vision

# Acute Pesticide Poisoning



Difficulty  
Breathing

Chest  
Tightness

Vomiting

Cramping

Diarrhea

Blurred  
Vision

Sweating

# Acute Pesticide Poisoning



**Difficulty  
Breathing**

**Chest  
Tightness**

**Vomiting**

**Cramping**

**Diarrhea**

**Blurred  
Vision**

**Sweating**

**Headaches**

# Acute Pesticide Poisoning



Difficulty  
Breathing

Chest  
Tightness

Vomiting

Cramping

Diarrhea

Blurred  
Vision

Sweating

Headaches

Dizziness

# Acute Pesticide Poisoning



Difficulty  
Breathing

Chest  
Tightness

Vomiting

Cramping

Diarrhea

Blurred  
Vision

Sweating

Headaches

Dizziness

Loss of  
Concentration

# Long-Term Exposure



# Long-Term Exposure



- Asthma

# Long-Term Exposure



- Asthma
- Cancer

# Long-Term Exposure



- Asthma
- Cancer
- Reproductive harm

# Long-Term Exposure



- **Asthma**
- **Cancer**
- **Reproductive harm**
- **Kidney/liver damage**

# Long-Term Exposure



- **Asthma**
- **Cancer**
- **Reproductive harm**
- **Kidney/liver damage**
- **Nerve tissue damage**

# Long-Term Exposure



- **Asthma**
- **Cancer**
- **Reproductive harm**
- **Kidney/liver damage**
- **Nerve tissue damage**
- **Neurobehavioral problems**

# Tips for Pest Management



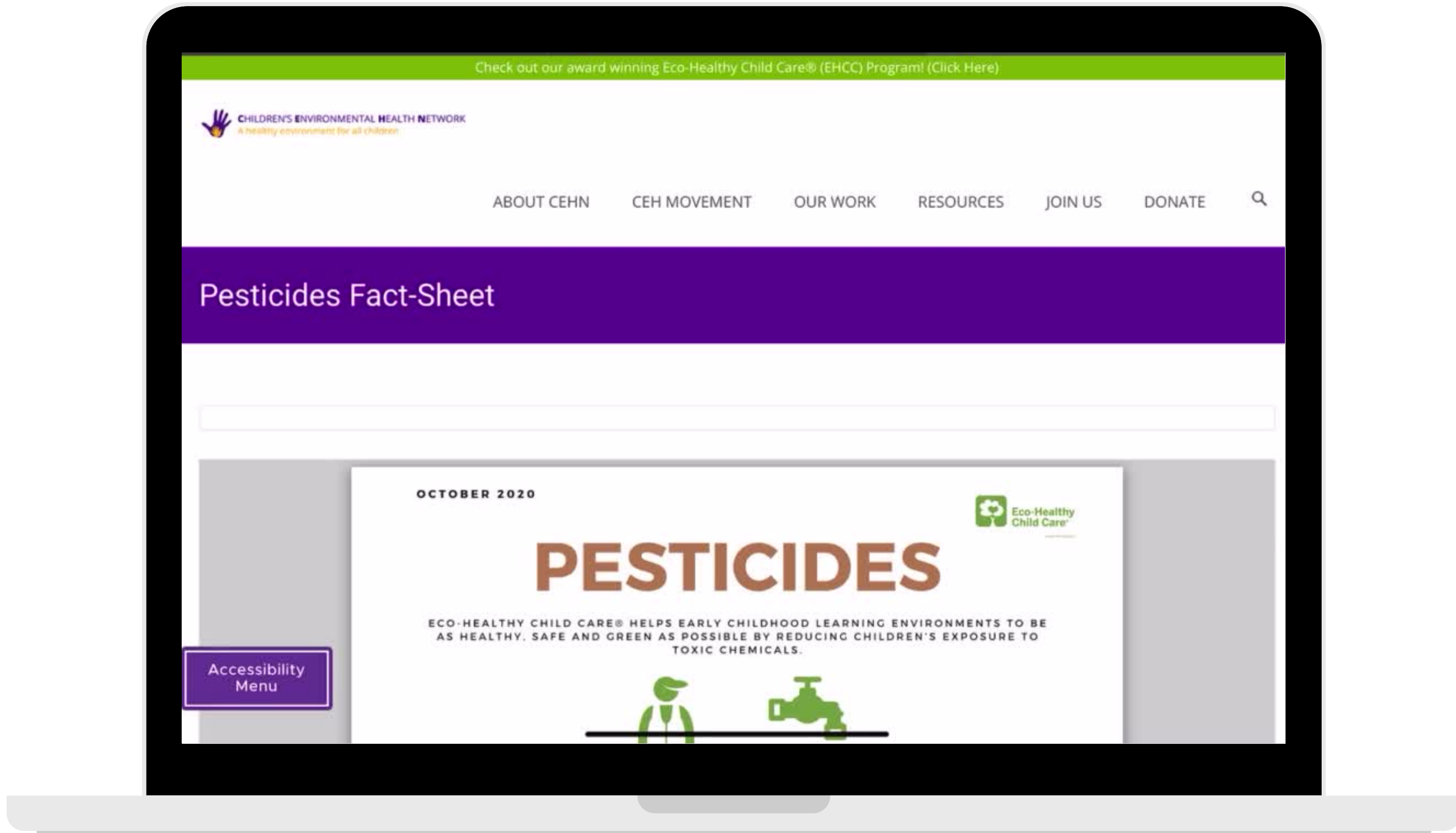
**Try to use non-toxic  
techniques first**



# Consider developing an Integrated Pest Management (IPM) system



# Children's Environmental Health Network



**If pesticide use is  
unavoidable, hire a  
licensed professional  
and have them apply  
the least toxic,  
effective product**





**Thoroughly wash all fruits and vegetables to avoid possible exposure to pesticides**



# Thank You!



**Contact Us:**  
**APPLETREE@utah.gov**  
**(801) 538-6191**

# Resources



## **Utah APPLETREE Program: Choose Safe Places**

[appletree.at.utah.gov/utah-choose-safe-places/about-ut-choose-safe-places/](http://appletree.at.utah.gov/utah-choose-safe-places/about-ut-choose-safe-places/)



## **Children's Environmental Health Network: Fact Sheets**

[cehn.org/download/pesticides-fact-sheet/](http://cehn.org/download/pesticides-fact-sheet/)



## **US Environmental Protection Agency: Pesticides**

[www.epa.gov/pesticides](http://www.epa.gov/pesticides)



## **Michigan State University: Integrated Pest Management**

[www.canr.msu.edu/resources/integrated\\_pest\\_management\\_in\\_the\\_home\\_e2778](http://www.canr.msu.edu/resources/integrated_pest_management_in_the_home_e2778)