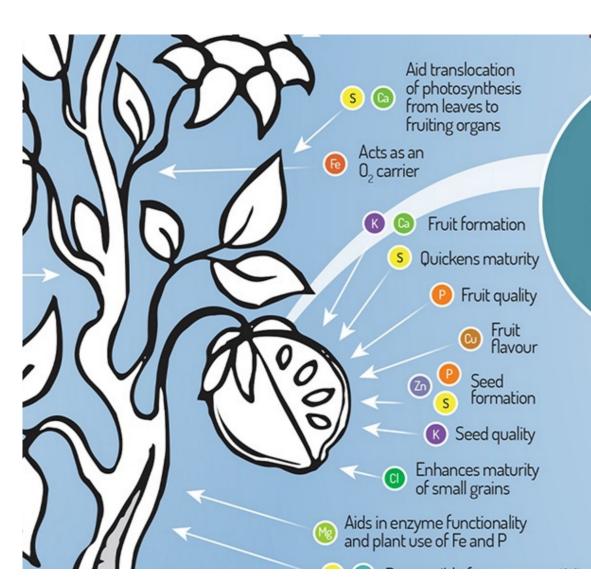


Soil Biology (Bacteria & Fungi)

Break Down Organic Matter and Solubilize Nutrients into Plant Usable Forms
Plants Attract and Signal Microbes to Deliver Nutrients by Secreting Compounds



Role of 18
nutrients
necessary for
plant growth
and human
health

Plays

Contributes to

Needed for immun

Key component

Essential for m

Important in immune sys health, blood clo and pressure regula

A component of protein DNA, RNA and blo

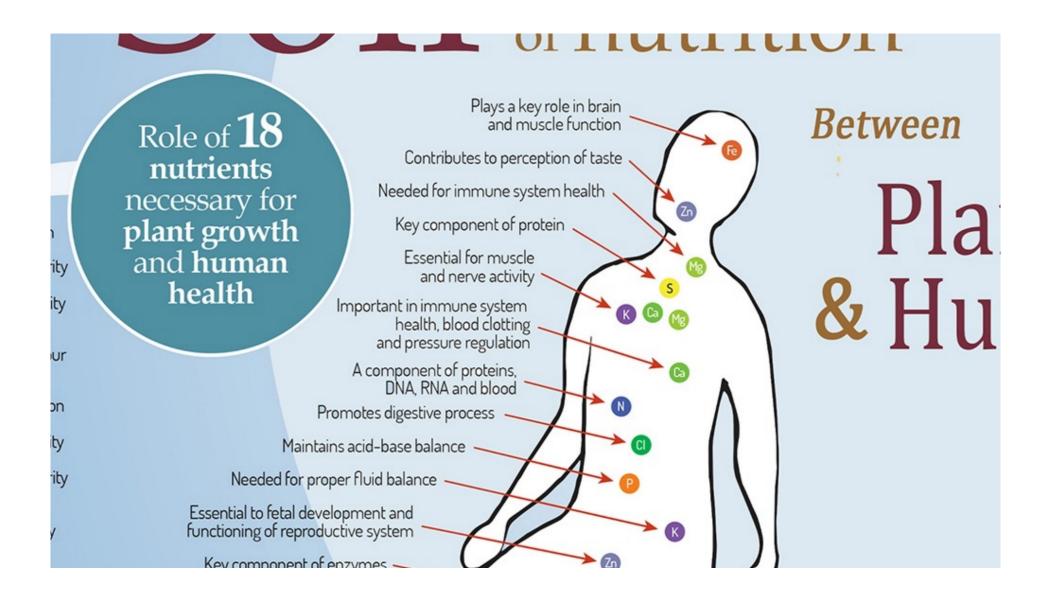
Promotes digestive process

Maintains acid-base balance -

Needed for proper fluid balance -

Essential to fetal development and functioning of reproductive system

Key component of enzymes

















1 PESTICIDES

In 2000, LESS THAN
5% OF SOYBEAN ACRES
and LESS THAN
30% OF CORN ACRES
were treated with a
PESTICIDE.

80% of Soybean 40% of Corn ARE TREATED

Even Sub-lethal 2008 and 2013 BEE ABUNDANCE PESTICIDES declined about 23% can affect foraging and nesting behaviors, often preventing

pollination

50% Loss of FORESTS 2 HABITAT LOSS

85% Loss of WETLAND

> 99.9% Loss of PRAIRIE

WHAT'S THE IMPACT?
It takes about

FLOWER VISITS to raise one mason bee.

Pre-development Indiana:

square-mile area contained about

20 million acres of forestland

2 million acres of prairie

5.6 million acres of wetlands

HERBICIDES also kill

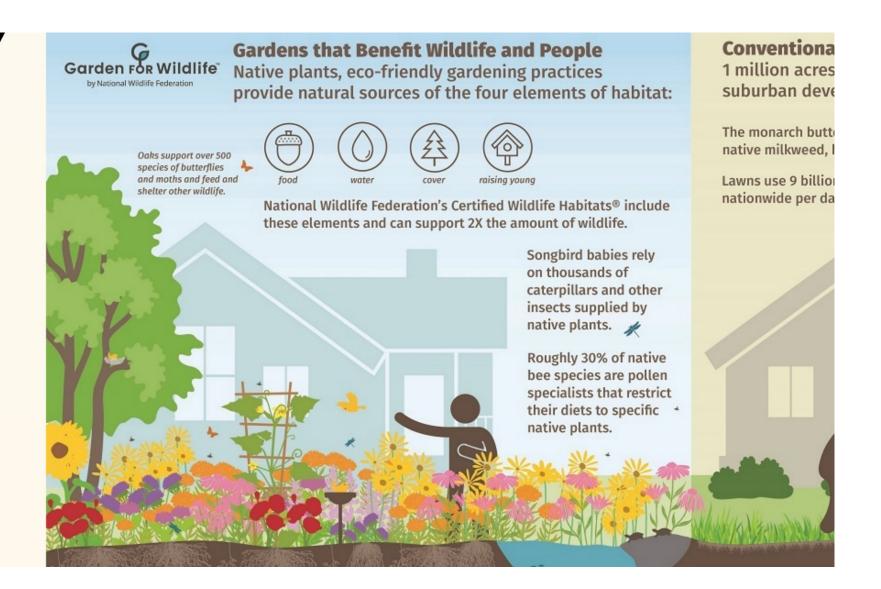
plants that pollinators use for forage 3 DISEASE

The VARROA MITE which was introduced from RUSSIA has been DEVASTATING AMERICAN HONEY BEE HIVES since the 1980s.

Varroa mites weaken bees by SUCKING THEIR BLOOD and PASSING DISEASES

Varroa mites CRIPPLE ADULTS and KILL LARVAE, causing the colony or population TO COLLAPSE.





and People ing practices r elements of habitat:

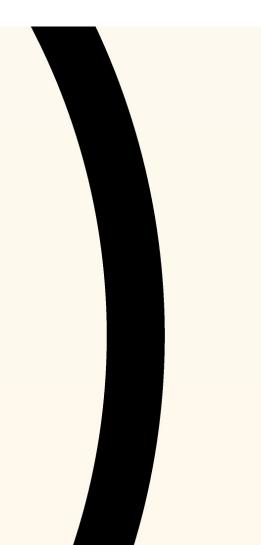


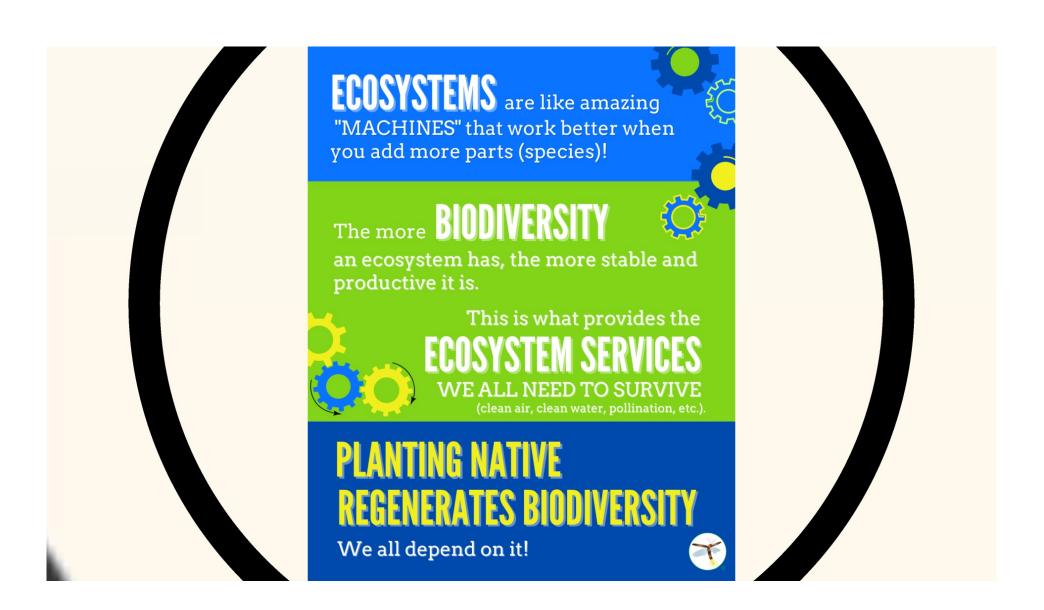
d Wildlife Habitats® include e amount of wildlife.

> Songbird babies rely on thousands of caterpillars and other insects supplied by native plants.

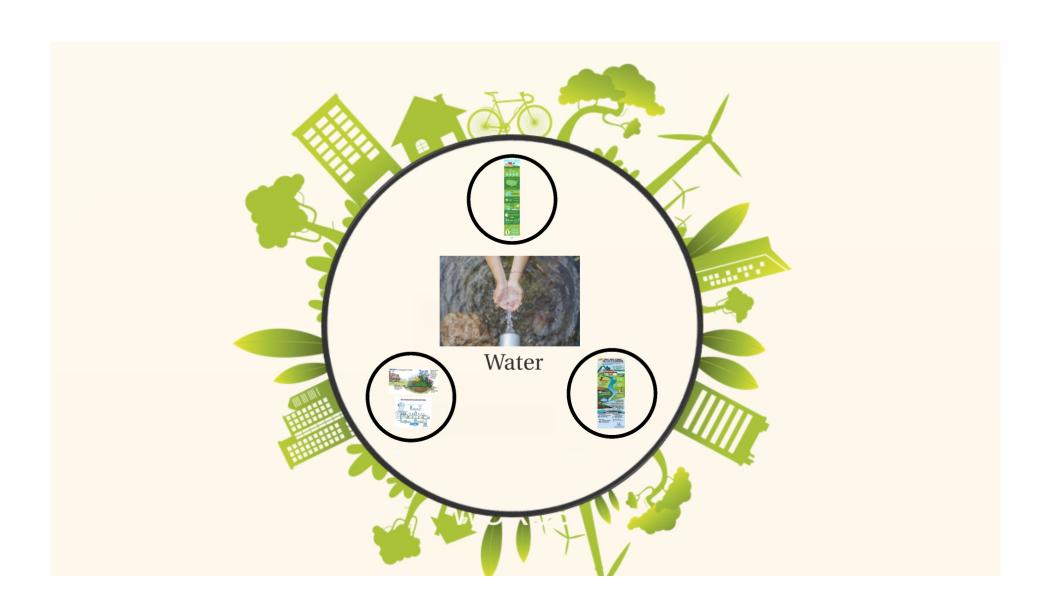
Roughly 30% of native bee species are pollen specialists that restrict their diets to specific * native plants.



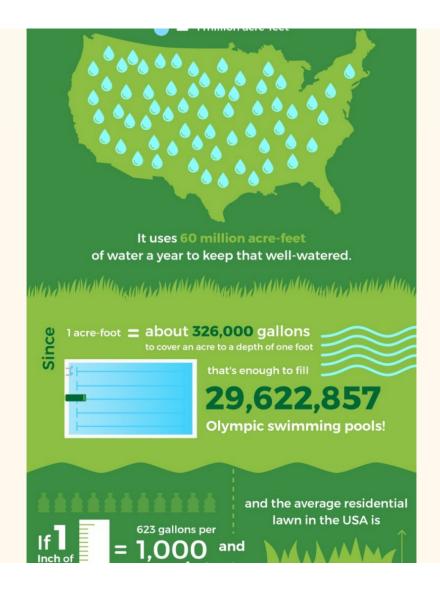






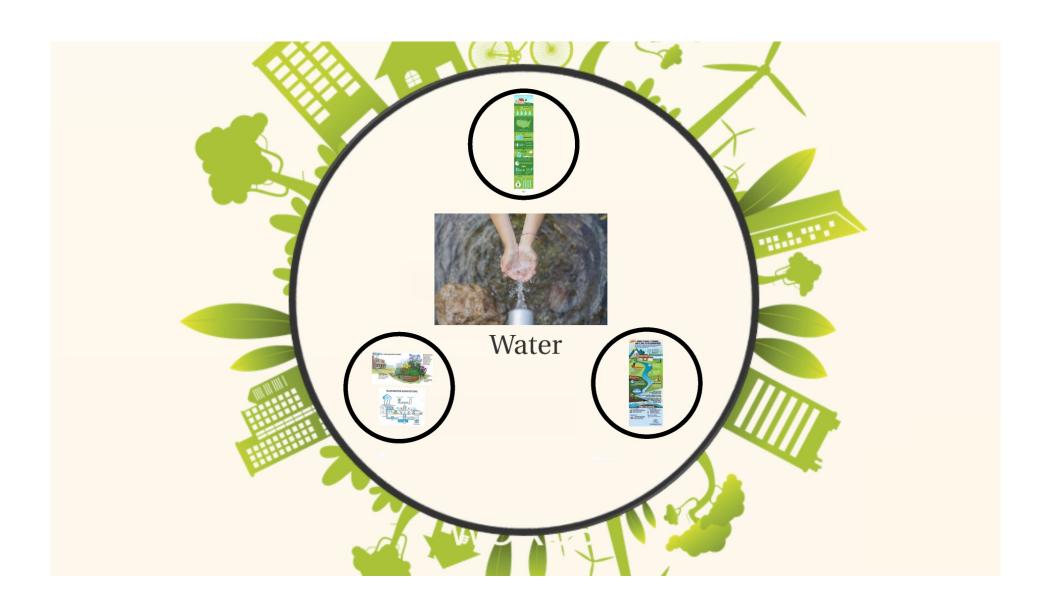




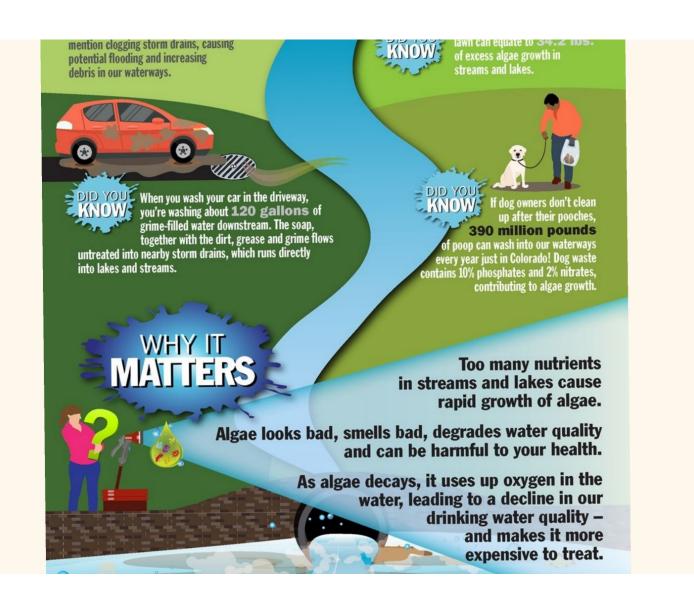












WHAT YOU CAN DO

Dispose Properly



- Compost or bag your leaves and lawn clippings
- Don't blow leaves or lawn clippings into the street
- Sweep up any spills or overspray of fertilizers on sidewalks or streets

Fertilize Efficiently

 Always follow the manufacturer's application recommendations. More isn't better!



 Fertilizing in the early fall promotes healthy root systems — leading to stronger, more resilient lawns and plants

Be Car Smart



- Use a commercial car wash, where water is recycled and sent to treatment facilities
- Wash your car on the lawn or gravel
- Dump your soapy bucket in the sink

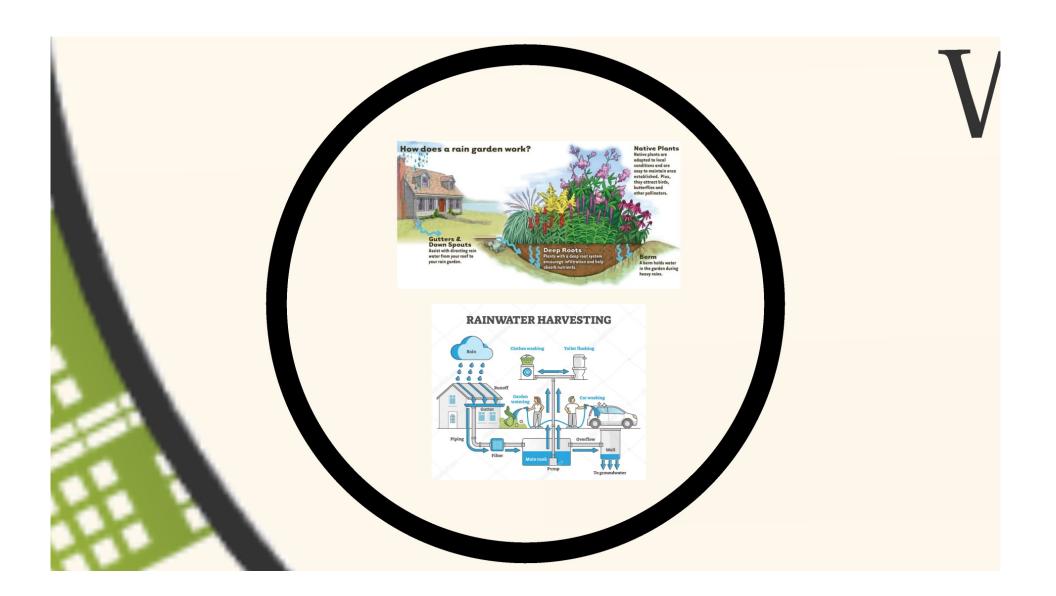
Pick It Up & Pitch It



Clean up dog waste and dispose properly

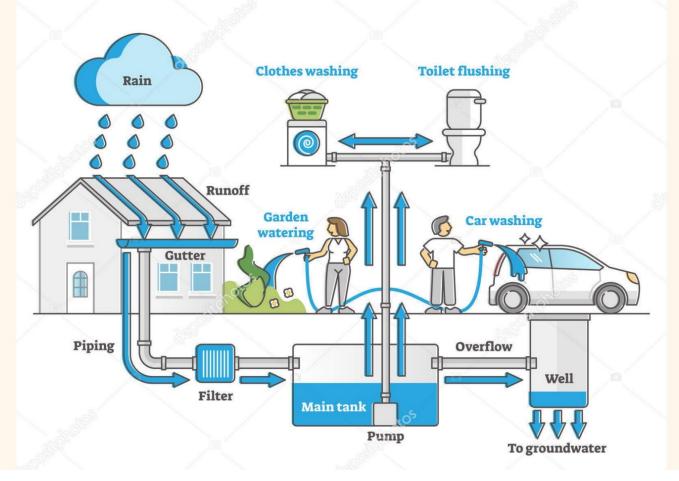


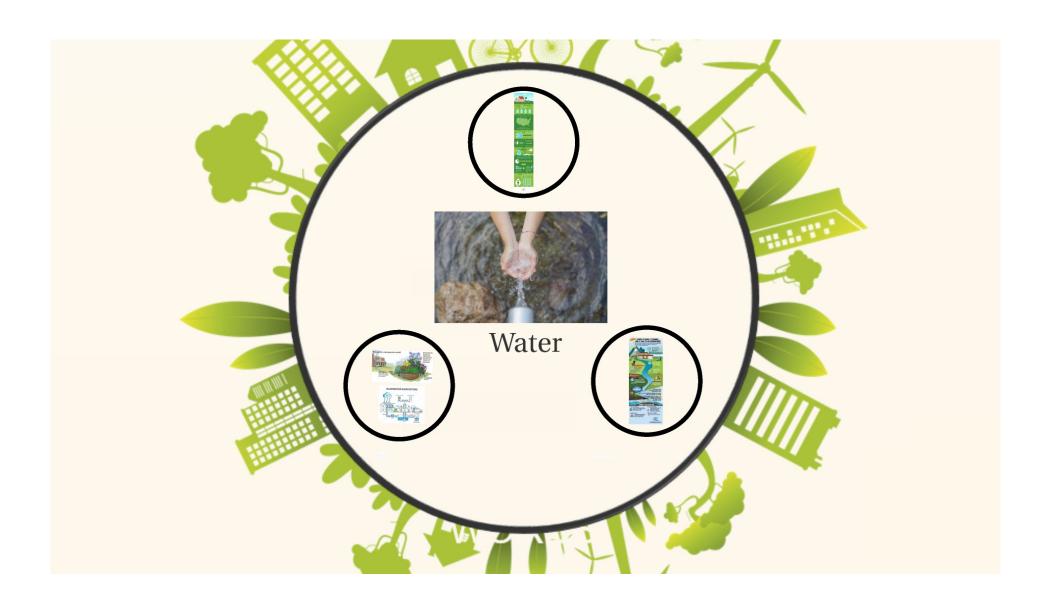
For more information and tips to preserve our waterways, visit





RAINWATER HARVESTING









Stress Relief



Gardening can help reduce the level of stress hormone Cortisol

Immunity Booster



Direct exposure to dirt and plants can help boost your immune sytem

Work Out



3 hours of moderate gardening could equal a 1 hour gym session

Bacteria Friends



Soil cointains a natural antidepressant that can make us happier

Green Diet



Those who grow veggles are more conscious about having a healthy diet

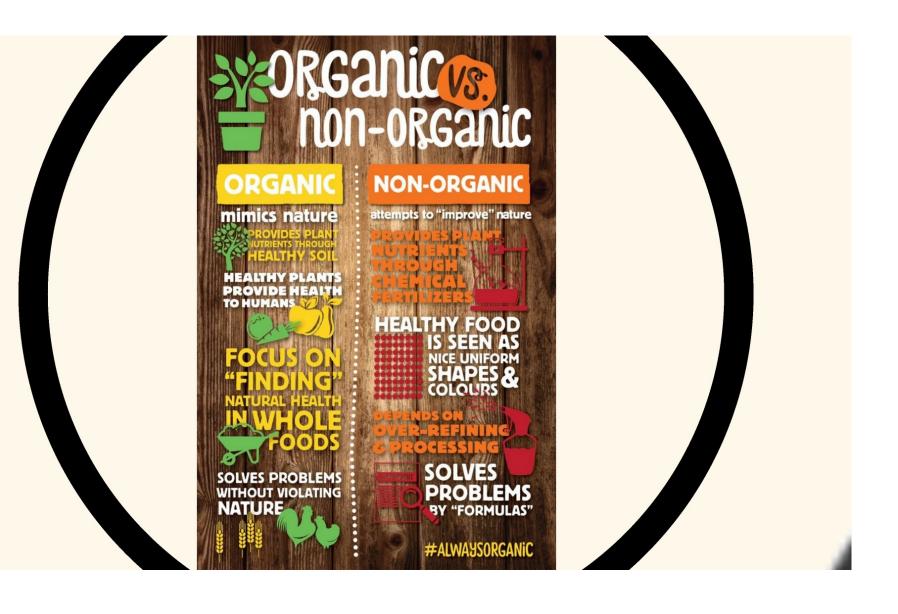
Brain Health



One study revealed that daily gardening can reduce risk of dementia by 36%

ncbl.nlm.nih.gov/pubmed/20522508 ncbl.nlm.nih.gov/pubmed/16411871 calorielab.com hortmog.com

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Researchers reported subjects who took nature walks or









































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