Soil DEGRADATION: Nutrient density of produce has decreased exponentially overtime due to soil degradation from impacts of industrial agriculture and the chemical use of pesticides, herbicides, and fertilizers.

Why care?

clean

In the U.S. the societal + environmental costs of soil degradation is \$85 billion per year

Over 1/3rd of earth's soils are degraded

CAUSES

Modern agriculture is responsible for 80% of soil degradation

- Improper cultivation practices (ex. monocropping) depletes soil of nutrients and carbon
- Using tillage breaks up aggregates in soil and does not let organic matter deposit
- Misusing fertilizers leaches natural nutrients from soil
- Herbicides, pesticides, and fungicides all disrupt the natural pH of soil and add unnecessary chemicals
- · To start to solve this issue we need to increase soil regeneration so that plants can get the nutrients they need to produce nutrient dense food.
- · To do this we need to use sustainable farming techniques by using no-till methods and crop rotations so that nutrients can resume their natural cycles.
- Fertilizers and other chemical additives should be used conservatively and only when properly needed and applied.





One study found that in the 1920's corn's protein content had declined by 30%. By 2001 it had declined even further to 50%

Conserving soils is the basis of well-being for humans + nature. We need to choose a future that creates social + ecological justice. When soils are healthy, human conflict and ecosystem damage lessen. Soils are the foundation to a good social, economic, and ecological future.

WHAT CAN I DO?

Plant a tree! The more







Keep learning about our soil.