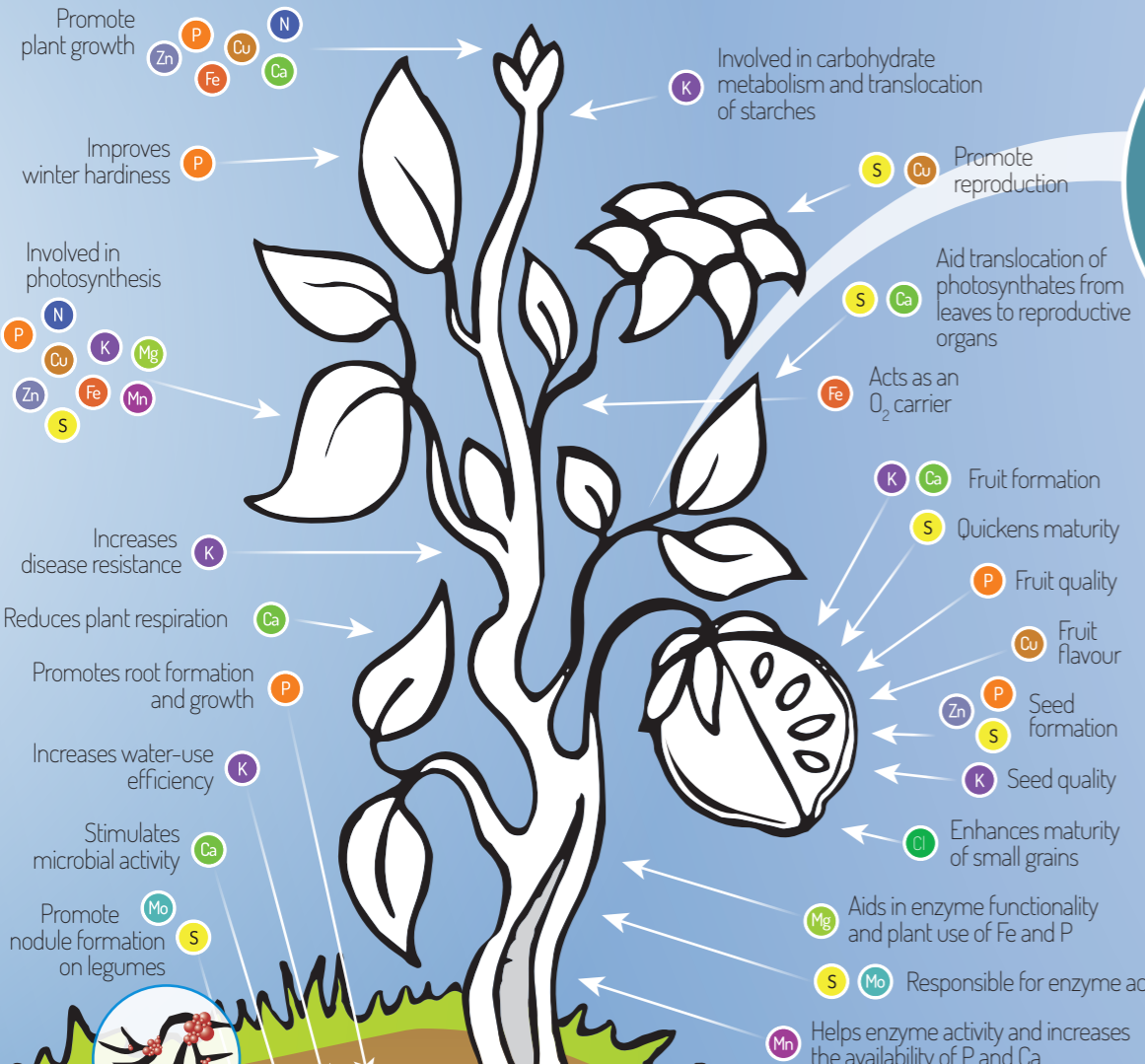




Soil the foundation of nutrition

Role of 18 nutrients necessary for plant growth and human health



Human Health Functions:

- Fe:** Plays a key role in brain and muscle function
- Zn:** Contributes to perception of taste
- Zn:** Needed for immune system health
- S:** Key component of protein
- S, Ca, Mg:** Essential for muscle and nerve activity
- Ca:** Important in immune system health, blood clotting and pressure regulation
- N, Ca, Mg:** A component of proteins, DNA, RNA and blood
- Cl:** Promotes digestive process
- P:** Maintains acid-base balance
- P:** Needed for proper fluid balance
- K:** Essential to fetal development and functioning of reproductive system
- Zn:** Key component of enzymes
- Mo, Mn:** Helps deliver oxygen to the tissues
- Fe:** Important for healthy bones
- B, Ca, P, Zn:** A component of enzymes, DNA, RNA, proteins and promotes immune system health
- Cu:** A component of enzymes and involved in Fe metabolism

Soil degradation leads to the loss of soil micro and macronutrients

Nutrient-poor soils are unable to produce healthy food with all the necessary nutrients for a healthy person

Over 2 billion people suffer from micronutrient deficiencies



Increase soil organic matter content

Minimize tillage

Keep soil surface covered

Reduce erosion

Sustainable soil management for healthy soils, healthy food and healthy people

Ensure crop rotation

Healthy soils for a healthy life