

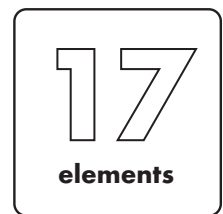
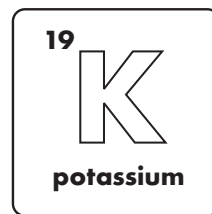
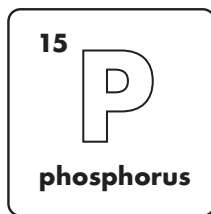
GROWING AGRICULTURE *together.*

NUTRIENT STEWARDSHIP

Nutrients in the wrong place can be harmful to the environment, but a lack of nutrients could cause plants to be unproductive. That’s why it is so important to manage our nutrients. The nutrients in the soil not only help plants to thrive, they also help provide the nutrients that people and animals rely on to grow healthy and strong.

ELEMENTS

Plants require seventeen essential elements for growth with the three major being nitrogen, phosphorus, and potassium.



NITROGEN

Greens plants and helps with rapid growth

PHOSPHORUS

Encourages root growth and is critical for photosynthesis

POTASSIUM

Encourages water intake and helps all around wellbeing

OTHER

Includes nutrients like calcium, magnesium and sulfur

- Molybdenum (Mo) ● Manganese (Mn) ● Magnesium (Mg) ● Nitrogen (N) ● Phosphorus (P)
 Potassium (K) ● Sulfur (S) ● Calcium (Ca) ● Iron (Fe) ● Boron (B) ● Zinc (Zn)
 Chlorine (Cl) ● Copper (Cu) ● Nickel (Ni) ● Oxygen (O) ● Carbon (C) ● Hydrogen (H)

THE 4 R'S OF NUTRIENT STEWARDSHIP

To increase production and profitability while protecting the environment, a farmer must follow these four R's.



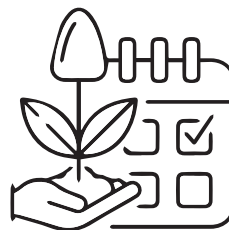
RIGHT SOURCE

Using the right fertilizer for the plant & soil



RIGHT RATE

Applying the right rate of fertilizer for the source



RIGHT TIME

Applying the fertilizer at the right time



RIGHT PLACE

Placing the fertilizer in the right place at the field