

Food and fertilizers

An aerial photograph of a vast, lush green agricultural field. A tractor is pulling a fertilizer spreader across the field, leaving a distinct white path behind it. The field is divided into sections by dark lines, likely furrows or irrigation channels. The overall scene depicts active agricultural work.

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•Outline

I. Introduction

- 1. Plant nutrients
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- 3. Manure

II. Conclusion

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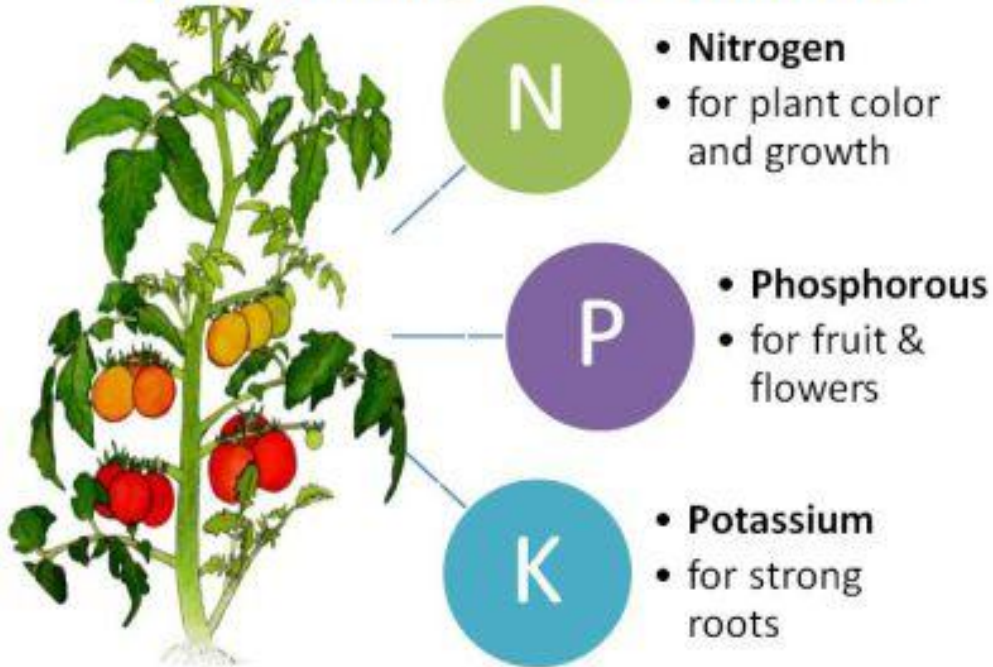
Key words

Phosphorus-is a chemical element with symbol P. The main food sources for phosphorus are the same as those containing protein, although proteins do not contain phosphorus.

Degradation - is a process in which the value of the biophysical environment is affected by a combination of human-induced processes acting upon the land.

Plant nutrients

Understanding Fertilizer Numbers



major nutrients

NEED OF MICROELEMENTS

Why include Micronutrients to your crop program?

- Plants need more than just the Macronutrients (NPK) and secondary elements (Ca, Mg & S) to survive in a healthy state.
- Micronutrients act in the most of VITAL chemical reactions of plants.
- Micronutrients: Fe, Zn, Mn, Cu, B, Mo, Si, Co ...
- If there is a little deficiency of any microelement, it may affect to the yield and quality of the crops.
- Microelements are a **“restrictive factor”**



Micronutrients are required throughout the growth cycle

Growth Stage



Germination and establishment



Vegetative Growth



Flowering and reproduction



Maturity and senescence

Micronutrients essential to support growth processes

Fe, Zn, Mn

Fe, Zn, Mn, Cu, B

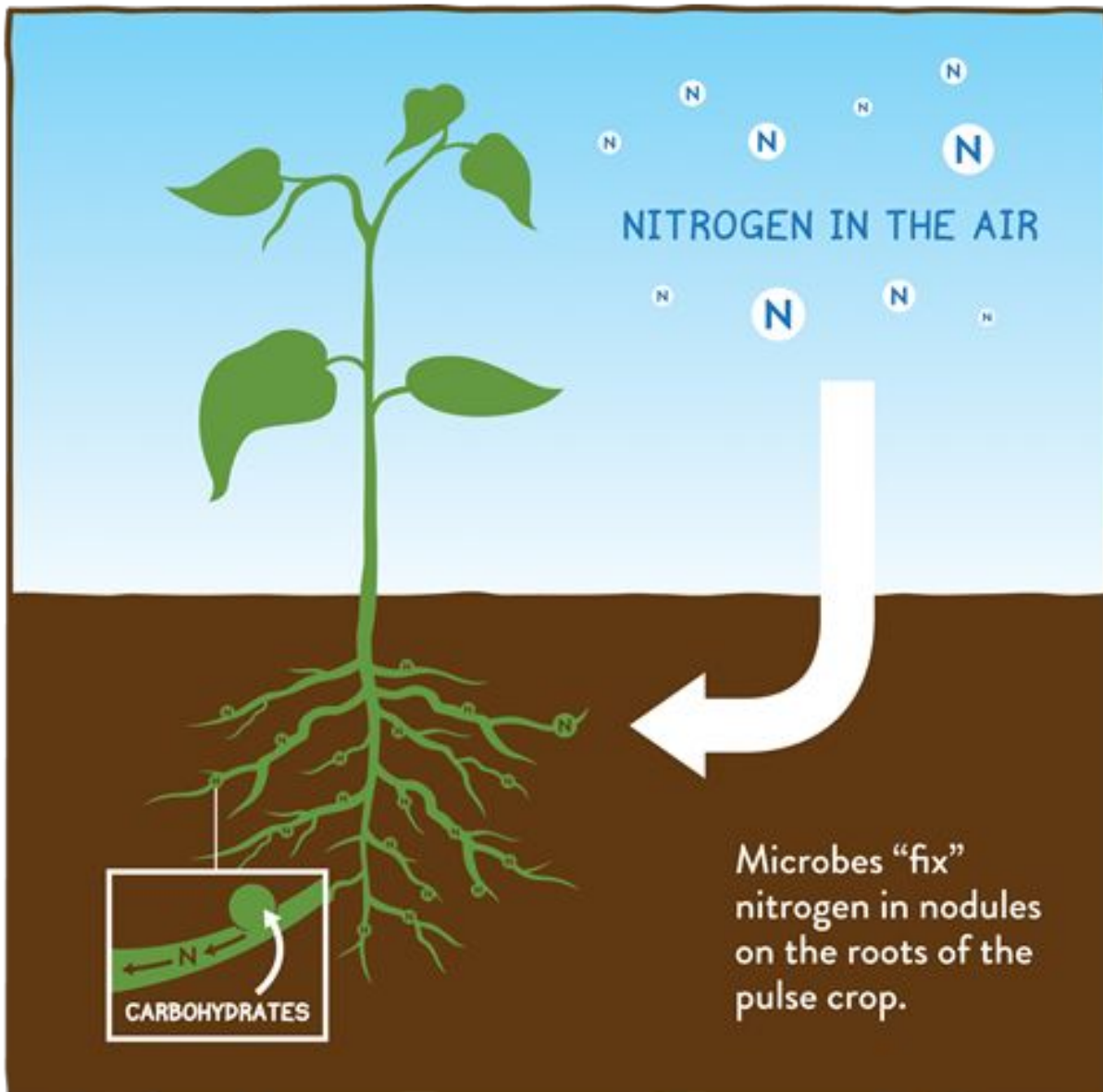
Fe, B

Cu, Mo, B

Plants are supplied with nutrients from:

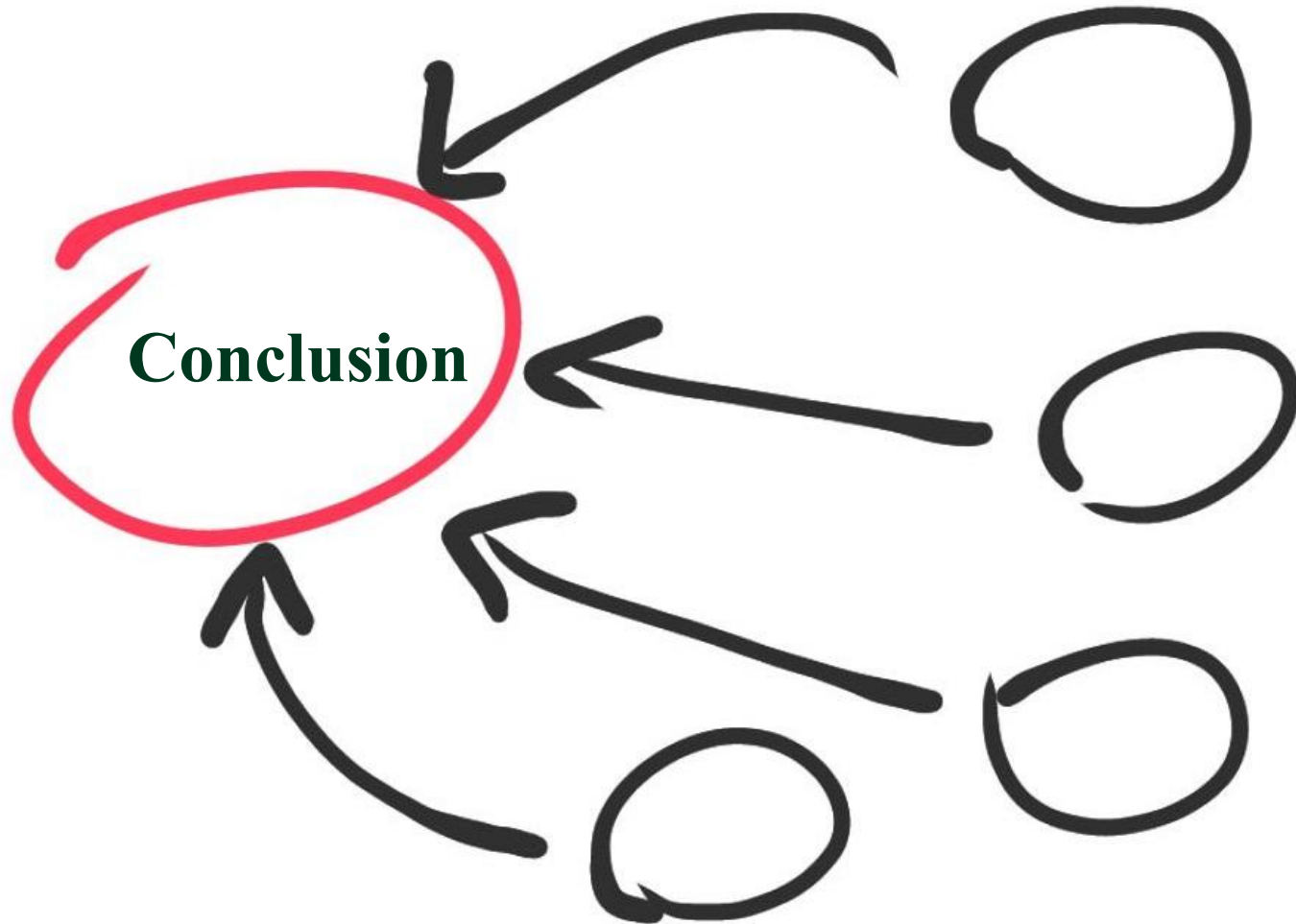


Fertilizer application



Manure





References

Wikipedia https://en.wikipedia.org/wiki/Land_degradation

SFGate

<https://homeguides.sfgate.com/four-methods-applying-fertilizers-25517.html>

A wide-angle landscape photograph showing a farmer in a field. The farmer is on the left, carrying a hay bale. In the center, a red tractor is pulling a trailer loaded with hay bales. The field is filled with golden-brown grass and scattered hay bales. In the background, there are rolling hills and a range of mountains with patches of snow under a clear blue sky.

10Q for your attention.