

MICRONUTRIENTS

BORON | COPPER | IRON | MANGANESE | MOLYBDENUM | NICKEL | ZINC



The growth and yield of your plants is governed by what they *don't* have – not what they do.

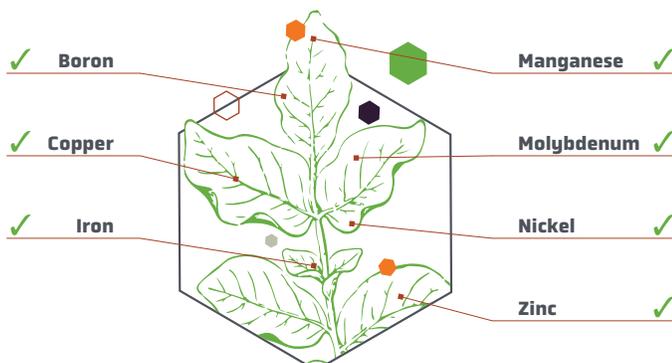
When it comes to the health of your crop, what's essential? Sun. Water. Soil. And **micronutrients**. When micronutrients are not maintained at optimal levels throughout the growth cycle, you risk:

- Poor root development
- Stunted growth
- Modest yield
- Leaf abnormalities
- Aborted flowers
- And more – **reduced profits**

Small and Mighty

Micronutrients play many complex roles in plant development and are needed to complete a plant's life cycle. Although plants require a lower concentration of micronutrients than they do of macronutrients such as nitrogen, potassium and sulfur, they are no less vital. **Maintaining optimal levels of all eight micronutrients is essential to plant health.**

- How well other nutrients are used
- Fruit setting
- Seed viability
- Harvest quality/yield
- Root development
- Grain filling
- Plant vigor



Micronutrient Deficiencies are Common – But They Don't Have to Be

Micronutrients should be considered in every grower's nutrient program. Micronutrient deficiencies may be visible during plant growth, while others go unnoticed until the harvest produces a poor yield. Common micronutrient deficiencies include:

- Boron in alfalfa
- Copper in wheat, corn and soybeans
- Nickel in legumes (beans, alfalfa)
- Molybdenum in soybeans
- Zinc in poor soils
- Manganese in peanuts

The High Cost of Omission

Micronutrient deficiency can result in:

- Leaf abnormalities
- Stunted growth
- Aborted flowers/seeds
- Low yields
- Dieback
- Plant death

To exacerbate the problem, excessive use of **many traditional fertilizers can diminish the availability of some micronutrients**, particularly iron and zinc.


Prevegenics
SCIENCE THAT GIVES NATURE A PUSH

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Systemic Nutrition: An Ounce of Prevention...

Healthy crops are more productive and less expensive. The most effective way to promote plant health and optimize production is to have a well-balanced, **systemic** nutrition program that makes optimal micronutrient levels a priority. **Start with the right level of micronutrients at the beginning of the growth cycle and maintain a healthy level through harvest.**

Give Plants Everything They Need

Plants are only as healthy as their most limited resource. **Growing healthy, vigorous, high-yield crops requires a continuous effort to eliminate minimum factors and provide balanced nutrition in the optimal range.**

Easy, Cost-Effective Foliar Application

Prevent micronutrient deficiencies before they happen with foliar formulations.

- Diffuse micronutrients efficiently
- Use less product vs. soil applications
- Get uniform coverage
- Avoid soil deficiencies that inhibit uptake
- Apply by air or with ground spraying equipment
- No re-entry restrictions or pre-harvest intervals required
- Compatible with most common foliar pesticides and nutrients

The Science Behind Prevegenics

Prevegenics has conducted research on its systemic nutrient formulations with independent laboratories, universities and farmers. Results have shown **excellent uptake and mobility of applied Prevegenics formulations, resulting in higher levels of essential nutrients in the crops.**

For information on specific crops and products, talk to your Prevegenics rep or visit www.prevegenics.com.

