



HOW DOES NANOTECH WORK?

THE CHALLENGE

Standard crop inputs move slowly through plants via natural absorption. Much of what you apply never reaches the plant cells.

- Slow nutrient uptake
- Wasted inputs
- Lower yields per dollar spent

THE NANOTECH SOLUTION

Microscopic nanoparticles act like delivery trucks, carrying your nutrients and active ingredients directly into plant cells faster.

- Rapid cellular absorption
- Maximize input efficiency
- Consistent yield gains

THE SCIENCE BEHIND NANOTECH

WHY ARE NANOPARTICLES SPECIAL?

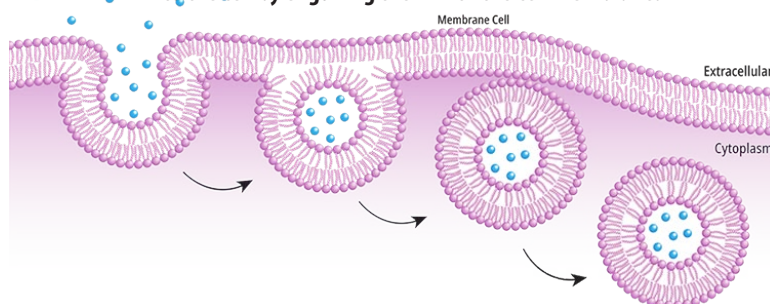
Each NanoTech nanoparticle rapidly delivers thousands of fertilizer ions or active-ingredient molecules into the plant cell via a mechanism called **endocytosis**. While conventional products are absorbed by diffusion and active transport, nanoparticles are taken up only via endocytosis.

LOADING + UNLOADING NANOPARTICLES

Nanoparticles are designed to be loaded with common fertilizer ions or active ingredients. The nanoparticles carry these materials into the plant and release them once inside.

ENDOCYTOSIS

The process by which a cell brings molecules on its surface into the cell by engulfing them with the cell membrane.



DELIVER LIQUID CROP INPUTS FASTER + MORE EFFICIENTLY WITH NANOTECH

✓ FASTER + MORE EFFICIENT

Nanotechnology helps deliver nutrients and crop protection more efficiently into plants, either through root or foliar uptake.

✓ WITH NANOTECH, YOU ONLY NEED ONE PRODUCT

With **MULTIPLE NANOPARTICLES** in every drop, **NANOTECH** allows you to maximize the performance of your active ingredient in any application.

✓ EASY MIXING + APPLICATION GUIDELINES

NANOTECH is easy to use and incorporate into your liquid program. It can be added to any boom spray, drip irrigation, in-furrow, fertigation, or aerial application at a 4 oz. per acre rate.

STEP 1

Add water + water conditioners

STEP 2

Add crop inputs + **NANOTECH** @ 4oz/acre

STEP 3

Add surfactant (as needed)

