

# Tapping into Nature's Fertility Solutions

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Why not let nature supply more of your NPK, Ca, moisture, etc. Nature has many answers for fertility; it is simply our job to cooperate with it.

Sure, cooperating with nature isn't always easy, but the more we learn how to take advantage of the solutions it offers, the better the outcome. MycorrPlus was created to maximize our cooperation with nature. Here is a little of nature's plan for soil fertility.

## An Abundance of Nitrogen

There are at least 3 natural ways to enrich the earth with nitrogen.

- Nitrogen fixing bacteria
- Nitrogen fixing plants (legumes)
- Animal urine and manure

MycorrPlus is a biostimulant that contains nitrogen fixing bacteria. It takes a good 4 to 5 months for these bacteria to transform the soil enough to meet the nitrogen needs of most plants. The wise use of legumes and manures further fortify the soil with nitrogen.

If they have applied nitrogen in the past and the soil has become "addicted" to it, corn and wheat farmers may still need to apply some. MycorrPlus helps to stabilize a nitrogen application so it doesn't wick off or leach out, thus allowing you to apply less.

## Tapping into Phosphorus

A good acre of farm ground contains enough phosphorus to last a hundred years. But phosphorus is quick to react with other minerals in the soil. There is a lot in the soil, but it is tied up and

unavailable to the plant. Nature has the solution.

First, there are soil microbes that "eat" phosphorus; they digest it. This breaks the chemical bond and makes phosphorus available.

Second, although phosphorus is not mobile in the soil, mycorrhizal fungi are able to transport it long distances, taking it directly into the plant's root. MycorrPlus activates the above process.

## Mycorrhizae Require Special Care

Because of our farming practices, it is actually rare to find mycorrhizal fungi in farm land. Here are some of the things that set Mycorrhizae back.

1. Plowing. Working the soil breaks up fungi networks, not allowing them to really develop. Minimal tillage protects them.
2. Bare soil. Mycorrhizal fungi get their nourishment from sugars sequestered by the plant. When the soil is left bare for an extended period of time, they have no food. Cover crops satisfy this need.
3. Phosphorus applications. When phosphorus is low in the root zone, the plant is highly motivated to sequester sugars in exchange for phosphorus. Mycorrhizal fungi feed these sugars to phosphorus digesting bacteria. This not only makes phosphorus available, but it rapidly builds organic matter in the soil. Applying phosphorus fertilizers hinder this soil building.
4. "Cides" kill microbes. Pesticides, nematicides, fungicides and herbicides all take their toll on soil



**Unlocking soil nutrients - left of fence was treated, right was not.**

microbes. MycorrPlus is able to break these down and restore soil life. Just apply it after the chemical.

## MycorrPlus Helps Mycorrhizal Fungi

- By helping to balance the soil
- By cleaning up toxins
- By remediating salts

Here are some other things you can do to encourage mycorrhizae:

1. Manures and grazing. Apply some manure or allow animals to graze.
2. Establish multiple species of plants. Mycorrhizal fungi create a community under the soil that links various types of plants together. Each species helps the other, and are also helpful to the fungi.
3. Cover crops. Mycorrhizae are dependent on plants to feed them. Keep something growing so that they are continuously fed, allowing them to develop more fully.
4. Give it time. Applying MycorrPlus each year helps to establish a more

complex mycorrhizae organism. 3rd and 4th year customers are amazed with the differences they are now seeing with pH, nutrients, clover growth and soil tilth.

## Natural Sources of Potassium

- Manures are a good source of potassium.
- Potassium is a major component of clay.
- MycorrPlus helps to optimize and make available potassium that is already in the soil.

## Making Calcium Available

Most soils contain a lot of calcium; it is just tied up. If the soil does contain calcium, the microbes in MycorrPlus will help free it up, making it available to the plant. This can really save on lime, plus balance pH.

## Enhancing Moisture

The microbes in MycorrPlus help to highly structure the soil.

- When it rains, water soaks in.
- The soil becomes a larger water bank.
- Mycorrhizal fungi are able to transport moisture to the plant from deep in the soil.

Tap into nature's fertility solutions. Call our toll-free number today and request a free information packet.

1-888-588-3139

Or go to: [www.AG-USA.net](http://www.AG-USA.net)

Conquer Nature by  
Cooperating with it

# MycorrPlus™

## Like a center pivot for dryland farmers!

*Reduces the need for LIME and other fertilizers*

MycorrPlus is a liquid bio-stimulant that helps to remove compaction by highly structuring the soil. It creates an "aerobic net" in the soil that retains nutrients and moisture. It contains concentrated sea minerals, 70+ strains of aerobic bacteria, fish, kelp, humic acids and molasses. \$20 to \$40/acre.

Call AG-USA now at (888) 588-3139 for a free information packet, or go to: [www.AG-USA.net](http://www.AG-USA.net) Organic? Request MycorrPlus-O.

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