

MycorrPlus™ A, O, F, OF

with 

MycorrPlus is the new name for **GroPAL Balance™**

Application Instructions

Please loosen the lid of MycorrPlus right away to allow it to vent, to prevent the build-up of pressure.

Do not store in direct sunlight. Store above 0° F and below 120° F and preferably below 100° F.

MycorrPlus-A and MycorrPlus-O (for organic use) are for the soil, not the leaf. Their strength lies in their ability to transform the soil. For best results, don't consider MycorrPlus foliar until you have utilized a full 64 ounces of MycorrPlus-A or MycorrPlus-O. Apply MycorrPlus by itself, or with fish, kelp, 28% or 32%. Add MycorrPlus to tank first. Add water before adding fish or kelp. Always jar test.

MycorrPlus A or O may be applied spring, summer, fall or winter

- An early or late spring application can help improve that year's crop. Apply ASAP to get it working.
- A summer application can raise nutrients in the plant and get the soil transformation process started.
- A fall application will allow MycorrPlus to improve the soil throughout the fall and early spring.
- A winter application works well as long as moisture is able to soak into the ground. A strength of a winter application is that most all of the ultra violet rays of the sun are blocked by the atmosphere.

The amount of MycorrPlus that can safely be applied

It is almost impossible to hurt the soil by over-applying MycorrPlus. However, applying more than a gallon/acre in one application may possibly burn the leaves of the plant.

Overcoming Application Difficulties

1. Ultra-violet rays of the sun

Although MycorrPlus contains zinc that acts like a sunscreen to protect its microbes from the sun, precautions should still be put into place. Here are ways to protect MycorrPlus microbes.

- If you will be plowing no deeper than 6 inches or discing the soil, apply MycorrPlus just before the last time you work the soil. You may also chisel it in to help it interact with the soil.
- If cultivating, apply MycorrPlus, then cultivate.
- Applying in-the-row, on-the-seed/in furrow will hide MycorrPlus from the sun – use usual tank mix.
- If you are only set up to side dress, you can add 2 qt./acre MycorrPlus-A in with your 28% or 32%.

2. Getting it off the leaf, down to the soil

MycorrPlus must reach the soil to transform the soil. If not worked in, it must be watered in. Once it gets to the soil, just over an inch of moisture is needed to get the formula really working.

- If no rain is predicted within a week, use a 40 or more gallon/acre tank mix to get it out of the sun and down to the soil. If watered in within a few days, you can use 20 gallons/acre. If watered in right away, a 3 gallon per acre with the plane or 10 gallon per acre with the spray rig will do.
- May be applied with irrigation. Can be put through a drip line if any fungus is screened off first.
- Add to manure or lagoon water and allow it to work, then spread manure or apply lagoon water.

3. Bare ground dries out the soil, exposes microbes to the sun

It really helps to keep the soil covered. For exposed soil, the sun dries out the soil, plus it kills microbes that are closer to the surface.

- Crop litter and trampled forage work well to help protect the soil from the sun.
- Cover crops not only shelter the soil, but with MycorrPlus, they sequester sugars, building organic matter in the soil.

Phosphorus, potassium and MycorrPlus

The average acre of farmland has 4,500 lbs. of tied-up phosphorus, plus a major component of clay is potassium. MycorrPlus helps make these available to the plant, saving farmers a LOT on fertilizer. Numerous farmers have done test fields with and without applying phosphorus and potassium, and the fields where no P or K was applied yielded better. When P and K are not applied, MycorrPlus encourages the plant to sequester huge amounts of sugars (liquid carbon) to feed microbes so they will make P and K available to the plant. These extra sugars also build organic matter in the soil. For corn, it is best to at least cut back on phosphorus.

Nitrogen applications

MycorrPlus contains nitrogen-fixing bacteria, but it takes 4 to 5 months for them to really start working. If you normally apply nitrogen, some N may be needed until the nitrogen-fixing bacteria have a chance to really kick in.

For corn and other crops that require a lot of N, you may need some nitrogen each year. MycorrPlus helps to hold nitrogen and keep it from wicking off, leaching out or getting tied up. When a fall, winter or early spring application of MycorrPlus has been put out, or when it is mixed in with 28% or 32%, most farmers can cut back on nitrogen 30% to 40% the first year, and more the second year. Anhydrous ammonia is, in effect, like a poison to the soil. To help overcome this, apply a quart of MycorrPlus-A two weeks after applying anhydrous ammonia.

Herbicides and MycorrPlus

- Herbicides damage soil life and soil balance. However, you can easily overcome this damage and still get great results. Just apply 16 to 32 oz./acre of MycorrPlus-A a few days or more after a herbicide application to break down the herbicide and help restore balance to the soil. For pre-emergent herbicides, apply MycorrPlus-A 2 to 3 weeks after the residual herbicide application.
- Why wait 2 to 3 weeks? MycorrPlus will quickly break down the herbicide, so we want to give the herbicide the time it needs to work. For knock-down herbicide applications (including glyphosates), apply the herbicide, then wait 3 or more days and apply a 16 to 32 oz. application of MycorrPlus-A to help restore soil balance.

Timing of applications

Most of the time, when putting out the first ever application of MycorrPlus, it is best to apply it as soon as possible so it can start its work of transforming the soil. Here are a couple of exceptions:

- If you will be sowing seed in less than a month, it is probably best to wait and apply over the seed. MycorrPlus is a great germinator, so we want to take advantage of this strength.
- If in a month or less you will be discing the soil, you may want to wait and apply it right before working the soil. For non-organic growers, don't till it in deeper than 2" deep. Organic growers may till it in 6".
- If within a few weeks of proposed application time you will be applying a burn-down herbicide, you might want to wait until 3 days or more after that application, then apply the MycorrPlus-A. For residuals, allow 2 or 3 weeks after application to give the herbicide time to work before applying MycorrPlus.

MycorrPlus Foliar Application Rate Guidelines

MycorrPlus F and OF Foliar / Top Dress Fertilizer

Bucket price: Two quarts/acre of F is \$18/acre, and 3 quarts/acre of O-F is \$23.10/acre.

- One or more applications of MycorrPlus foliar may help increase yields, plus help to increase protein, test weights and relative feed value. Try to apply MycorrPlus foliar mornings or evenings when the temperature is below 80 to 85 degrees so plant stomata are open and can take it in.
- These foliar applications may be helpful for hay, row crops, fruits, vegetables or fruit or nut trees. MycorrPlus-F (not MycorrPlus-A) may be used with herbicides, but consider cutting herbicides back 15%.
- Use a 10 gal./acre tank mix, or use 3+ gal./acre with a plane.
- O-F may be put on through center pivot by running pivot at top speed to keep most of the water on the plant.
- MycorrPlus-F or O-F are best applied at fruit set; it may also be applied when the plant is beginning to flower.

MycorrPlus-A or O applications for areas smaller than an acre

One teaspoon of MycorrPlus-A is perfect for 100 square feet. An ounce treats 600 square feet.

May be applied with a watering can or a hose end sprayer. For a pump-up sprayer, add 1 tsp. per quart of water.