

Replenish fertilizers all start with an organic compost base. Our egg laying chickens digest a mineral rich diet, but most of what they are fed simply goes through them. This leaves us a fertilizer that has been digested twice, once in the bird and then in our composting facility. The finished material is very rich in minerals, especially calcium. The result is a biologically active compost fertilizer. It then moves to our processing plant to be blended and prilled, under low heat to protect microbes, and then bagged and readied for application.

## Replenish Min-Phos

*A biologically active carbon rich rock phosphate package*

1. A blend of rock phosphates and organic compost that allows microbes the activity needed to help release the phosphorous to the plant. When carbon and rock minerals are combined the nutrient release curve significantly increases.
2. It was designed after black rock phosphate, which is no longer available. Black rock was a combination of rich carbon and slow-release mineral phosphorous and was one of the most effective phosphorous products of its time. This formula mimics its effects in providing bioavailable phosphorous to the plant.
3. Phosphorous is the "energy molecule" and is called on when the plant is most under stress. If phosphorous is not available in the soil the plant will continue to produce organic acids trying in vain to find this needed mineral often to its own detriment.
4. Rock phosphate is a mined mineral, rich in not only phosphorous but also a host of needed trace elements. Rock minerals are slow to release but when combined with available forms of carbon microbes are encouraged to work at releasing the mineral making it available to the plant.
5. Phosphorous is an anion and can easily tie up in the soil especially with soils heavy in cations like calcium or magnesium. In these soils getting phosphorous to mobilize enough for the plants need is very difficult. A carbon rich rock phosphate, along with other phosphorous applications, ensures long term release of this very important element.

**Replenish Min-Phos** is a bioavailable carbon rich rock phosphate. When you combine carbon with rock minerals it quickly provides soil microorganisms the food and energy they need to digest the mineral making it available to the plant.

**Replenish Min-Phos** provides the plant a host of trace elements. Not only is the mined rock phosphate rich in trace elements but so is the organic compost used to surround the phosphate. This combination produces a bioavailability of both the phosphorous but also needed trace elements.

**Replenish Min-Phos** gives the plant a long-term release of needed phosphorous. Phosphorous is the plants "energy molecule" and if is not available the plants stress levels increase exponentially. Since phosphorus is so easily tied up in the soil getting microbes working at a steady release ensures the plant stays healthy.

# EarthWorks

*A Deeper Respect*

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### APPLICATION RATES

Turf - Apply 10 lbs./1000 sq. ft. ideally into aeration holes.

Landscape Plants – Apply 1-2 lbs. per plant around the root ball worked into the soil.

