

Replenish 5-4-5

All Purpose Organic Fertilizer

Replenish 5-4-5 is at the core of our philosophy: complete nutrition for the plant and the soil. 5-4-5 is an all-purpose Formulated Natural Organic fertilizer that can be used for any turf or ornamental application without fear of burn or salt build up.

The **Replenish** line of Fertilizers are complex **Formulated Dry Organics**. EarthWorks is dedicated to formulating the most agronomically complete products available. We have over 20 years of experience in working with biological soil management programs and our fertilizers are designed to maximize the microbial activity in any soil, providing a healthy environment for plants to flourish. Healthy soil promotes a healthy plant. We start with mineral rich poultry compost from egg laying birds that has gone through two digestion cycles. This double-digestion process, results in a compost with readily available nitrogen, phosphorus, potassium,

and calcium for the plant and carbon for soil microbes. Once the raw material has been composted, a large percentage of rock mineral is added. The final product is a combination of sustainable & readily available compost with needed minerals.

The **5-4-5** was the first product developed by EarthWorks back in 1988 and to this day remains the most successful selling product in the entire fertility line. Replenish 5-4-5 has repeatedly been on many of the top golf courses and sports facilities for many years and continues to be a product of choice for many turf and landscape managers.

The **Replenish** products do much more than provide nutrients to the plant, They do the same for the soil! **The EarthWorks Formulated Organics replenish** these needed minerals and composts to both the soil and the plant for long lasting color and growth.

Dry Organics
Replenish 5-4-5

Dry Organics:

- *Chicken Compost*
- *Hard Rock Phosphate*
- *Soft Rock Phosphate*
- *Potassium Sulfate*

EarthWorks 
NATURAL ORGANIC PRODUCTS

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Earthworks Natural Organic Products, Inc. www.earthworksturf.com



Replenish 5-4-5

All Purpose Organic Fertilizer

EarthWorks Dry Organics the key to success when building a healthy environment.

EarthWorks is the only major manufacturer of Natural Organic fertilizers to use a truly agronomic approach to formulating products. For over twenty years we have been developing soil and plant focused products. **Replenish 5-4-5** is a Formulated Organic. It is 77% composted material, while the rest of the formula is made up of rock minerals. The

carbon helps to stimulate soil microbes and the minerals replenish the soil from the loss taken by the constant uptake by plants. The mineral value of 5-4-5 is significant. Although these minerals are not all immediately soluble, they are sustainable and plants can use them when they need them most.

Replenish 5-4-5 Guaranteed Analysis

Total Nitrogen (N) 5.00%
1.30% Ammoniacal Nitrogen
1.00% Other Water Soluble Nitrogen **
2.70% Water Insoluble Nitrogen *

Available Phosphate (P^2O^5) 4.00%
Soluble Potash (K^2O) 5.00%
Calcium (Ca) 6.00%
Sulfur (S) 3.00%
3.00% Combined Sulfur (S)

Ingredients: Composted poultry manure, rock phosphate, sulfate of potash, ammonium sulfate, and methylene urea.

Beneficial Substances:

Guaranteed Analysis

77% - Organic Matter (derived from composted poultry manure, contains carbon)
23% - Total Other Ingredients

Organic matter in the composted poultry manure is a source of carbon that serves as food for soil microbes

Application Rates & Programs

Turf (all grasses)

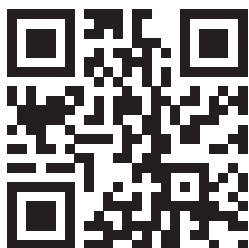
Apply 10 pounds of 5-4-5 per 1000 square feet of turf area (1/2 lb of nitrogen per 1000 sq ft), 4 to 6 times a year as needed. For best results, adequate irrigation should be practiced after application and throughout the growing season.

Shrubs (1 to 4 feet of canopy)

Apply 1 pound of 5-4-5 around the base of the plant and lightly work into the soil, being careful not to disturb surface roots. Larger shrubs or stressed plants will benefit from larger feedings. Apply in Spring and Fall, thoroughly watering after each application.

Trees

For young or small trees (1 to 3 inch diameter) apply 2 to 3 pounds of 5-4-5 per inch of trunk diameter evenly under the canopy drip line. Increase the application rate to 3 to 4 pounds for larger trees. Apply in Spring and Fall, thoroughly watering after each application.



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