

# Replenish™ 5-1-10

*High Potassium Fortified Fertilizer*

EARTHWORKS NATURAL ORGANIC PRODUCTS, INC.

**Replenish 5-1-10** is a potassium sulfate Formulated Natural Organic Fertilizer. This product is a combination of soluble potassium sulfate, nitrogen and rich biologically active Replenish fertilizer. Potassium sulfate is an ideal form of available potassium for soils that have been identified as potassium deficient. Potassium is often tied up or unavailable in many soils. Increasing potassium levels can help reduce plant stress and chemically balance the soil. When potassium is blended with the EarthWorks Replenish compost and rock minerals, a powerful fertilizer is created that feeds both the soil and the plant.

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 of any soil. Healthy soil promotes healthy plants. We start with mineral rich poultry compost from egg laying birds that has gone through two digestion cycles. As a result of this biological digestion, the product brings with it a host of soil and plant benefits, including increased enzymes, amino acids and, most importantly, minerals. These benefits are not found in most commercial Natural Organic fertilizers. Once the raw material has been composted, we add a large percentage of rock minerals. Following the EarthWorks Carbon Pyramid approach, complex carbohydrates and humic acids are blended in the product, creating one of the most powerful soil and plant foods available.

The **Replenish** products do much more than feed the plant, they feed the soil. The rich carbohydrates provide a quick burst of energy to beneficial bacteria and the humic acid complex provides a sustainable food source for long term biological activity. However, it is the minerals that truly make the Replenish products different. Soil re-mineralization is an important focus of this product line. Cover crops, such as turf, are constantly taking surface minerals, minerals that are not being replaced. **The EarthWorks Formulated Organics replenish** these needed minerals and provide both the soil and the plant with what it needs for a healthy environment.

**EarthWorks™**  
Natural Organic Products

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Available in greens grade, standard grade

**FORMULATED  
DRY  
ORGANICS**

*Chicken  
Compost*

*Potassium  
Sulfate*

*Greensand*

*Complex  
Carbohydrates*

*Humic/Fulvic  
Acids*

# Replenish™ 5-1-10

**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** 5-1-10 is a Formulated Organic. We have supplemented the compost and minerals with a soluble potassium sulfate to provide a nice blend of both rich organics and available soluble potash. The core of this formula still follows the recognized EarthWorks Carbon Pyramid, using both short and long chain carbons and a host of rock minerals. The carbon helps to stimulate soil microbes while the minerals **replenish** the soil from the loss taken by constant uptake by plants. The mineral value of 5-1-10 is significant. Although these minerals are not all immediately soluble, they are sustainable and plants can use them when they need them most.

## Guaranteed Analysis

Total Nitrogen (N) .....	5.00%
1.58% Ammoniacal Nitrogen	
2.50% Water Insoluble Nitrogen *	
0.92% Other Water Soluble Nitrogen **	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) .....	1.00%
Soluble Potash (K <sub>2</sub> O) .....	10.00%
Calcium (Ca).....	6.25%
Sulfur (S) .....	4.95%
4.95% Combined Sulfur (S)	

Derived From: Composted poultry manure, sulfate of potash, ammonium sulfate, and methylene urea.

\* 1.25% water insoluble nitrogen from composted poultry manure and 1.25% water insoluble nitrogen from methylene urea.

\*\* .63% water soluble nitrogen from composted poultry manure and .29% water soluble nitrogen from methylene urea.

## APPLICATION RATES & PROGRAMS:

**Replenish 5-1-10** is an ideal fertilizer for most turf environments.

**Greens & Tees** – 10 lbs. per 1000 sq. ft. (1/2 lb. N, 1lb. K) 2 - 4 times per year. Ideal times are late spring and early fall following aerification. Increase frequency using lower rates on biologically weak and sand based soils. Rates can be modified to change the amount of potassium, if needed. Be sure to water in this product and always use it appropriately.

**Fairways** – 500 lbs. per acre two times per season. Ideal application times are late spring and early fall to help build stress reduction before summer and winter. This is a good dormant feed product.

**Sports Fields** – 10 lbs. per 1000 sq. ft. (1/2 lb. N, 1 lb. K) 2 - 4 times per year. Ideal times are late spring and early fall, as well as a dormant feed product. Increase frequency using a lower rate on biologically weak soils and on sand based fields.

**This product should be watered in after every application.**

*Replenish could be  
the healthiest thing  
you do for your soil.*

**EarthWorks™**  
Natural Organic Products