

# BIOBLOOM<sup>®</sup>



## Complete Natural Organic Fertilizer For Flowering Plants

### *The Optimum Natural Organic Product For Roses And Other Flowering Plants*

BioBloom is the premier natural organic fertilizer for flowering plants. It is completely unique in that it both feeds the plant and conditions the soil. BioBloom's carefully selected ingredients enhance soil microbiology, which in turn makes nutrients and soil minerals available to the plants.

BioBloom contains SAND-AID™ Granular Sea Plant Meal, an extraordinary soil conditioner that:

- 🌱 Retains moisture and nutrients
- 🌱 Increases CEC and fertility
- 🌱 Promotes crumb structure and better aeration.

BioBloom not only contains a unique and potent array of ingredients balanced to promote the growth and blossoming of roses and other flowering plants, but it is also the only organic fertilizer to offer these features:

- 🌱 True granular — homogenous particles contain all ingredients
- 🌱 Consistent particles — no dust, easy to apply
- 🌱 Mild odor — pleasant to handle.

BioBloom is priced competitively, though it is clearly superior to other products on the market. It is the perfect way to incorporate organics into your growing medium.

*“This Product is Superb.”*

— B. Miller, Boynton Beach, FL

### **Why BioBloom?**

The key to healthy, disease resistant plants that produce beautiful blooms is the soil. The key to producing soil that nurtures plants is the microbiological system. The key to creating and sustaining a supportive microbiological system is how you feed your soil and plants. *The key to supplying a healthy, scientifically sound, balanced diet easily is BioBloom.*

Many people think that plants merely require an adequate supply of the major nutrients — Nitrogen, Phosphorus and Potassium — as supplied in general-purpose fertilizers. It's true that your plants can survive if they are receiving only those nutrients. But over time, they will not flourish, particularly if you are applying inorganic fertilizers. The reason is that inorganic fertilizers cannot sustain microbial life, and microbial life is essential for soil fertility and optimum plant growth.

### **BioBloom Feeds The Soil As Well As The Plant**

Plants require an abundance of nutrients and micronutrients which are not usually supplied by general-purpose fertilizers. Even when synthetic secondary

nutrients or micronutrients are applied, the plant will only take up so much, and if the soil is low in organic matter, the remaining nutrients will leach out, both because there aren't enough exchange sites to hold them, and also because the soil lacks the organic food sources to support the microorganisms that stabilize the nutrients.

### **Problems with Inorganic Fertilizers**

It's well-known that leached nutrients such as Nitrogen can lead to ground water contamination. But there are other problems as well. Lack of organic matter can cause soil compaction, decreased stress tolerance and greater susceptibility to diseases and pests.

#### **Microbe Mania**

Pounds of Organisms in 1,000 sq. ft:

Type	Qty
Fungi	35 lbs.
Actinomycetes	17 lbs.
Bacteria	12 lbs.
Protozoa	7 lbs.
	71 lbs.

- 🌱 71 pounds of dead microbes will provide: 7 lbs. N, 3 1/2 lbs. P, 1 1/2 lbs. K

- 🌱 There are 930 billion microorganisms in one pound of healthy soil.\*

BioBloom feeds the microorganisms that feed the plant. These microorganisms:

- 🌱 contribute to plant nutrition
- 🌱 condition the soil so that it retains moisture
- 🌱 contribute to healthy root growth
- 🌱 promote resistance to diseases and pests

If you are applying only synthetic fertilizers, you are not feeding the soil microorganisms, and they will soon die out. The result is visible in soil that is too hard, or too porous; and plants that are pest-prone or not flourishing.

### ***If You Feed Them, They Will Come***

How do you boost the population of microorganisms? Feed them. What do you feed them? Carbon. Carbon is found only in organic sources — fish meal, sea plant meal, alfalfa, etc. You need a wide variety of sources to feed the diverse microbes in your soil. That's why we put so many different ingredients into BioBloom.

As they live and die, microorganisms release the nutrients plants need to grow and flourish.

While BioBloom feeds the microorganisms which feed the plant, it also supplies constituents to the soil which help water penetration and root growth. BioBloom also boosts populations of beneficial organisms that help control disease-causing pathogens.

### ***Select The Best Organic Product...BioBloom™***

BioBloom represents an industry first. It is the first *truly homogenous* organic product with a large variety of nutrient sources for balanced plant

## **4-6-4**

BioBloom contains:

Alfalfa Meal, Fish Meal,  
Sea Plant Meal, Feather Meal,  
Lobster Meal, Crab Meal,  
Rock Phosphate, Sunflower  
Hull Ash, Epsom Salts, Sea  
Plant Extract, Phosphoric  
Acid, and Vitamins.

**It also provides .5% Iron, 1%  
Magnesium, and 5% Calcium.**



nutrition and soil building. It contains over a dozen ingredients, each carefully selected for N-P-K value, as well as for secondary elements and micronutrients. It also contains SAND-AID Granular Sea Plant Meal for soil conditioning benefits. Emerald Isle's SAND-AID has a high CEC level which promotes fertility. It's proven to improve moisture and nutrient-holding capacity. It has also been shown to improve the performance of other organics with which it is used.

## ***Organics the Easy Way™***

### ***Much More Than A Blend***

Other products that blend organics do just that. The ingredients are simply mixed and then bagged. Often, because of the different bulk densities of the ingredients, the components separate. This results in non-uniform distribution of nutrients and widely varied plant responses.

BioBloom is different. Its ingredients are agglomerated into homogenous granules which are then screened to

a consistent particle size. Thus, each granule contains all the nutrients. This means that the last ounce of BioBloom is the same as the first ounce.

Because other products are not agglomerated and screened, the finer particles settle to the bottom of the bag. Your first application of such products can be significantly different from subsequent applications. You never have the control over nutrient application that serious growers demand.

With BioBloom, you have control every time. And you will never see large particles of bone or bat guano. Unlike other products, BioBloom is not dusty, and does not have the strong, unpleasant odor associated with many organic materials.

### ***How To Use BioBloom***

Use 1-3 cups of BioBloom per average plant, two to three times per year. Apply in early spring and again after first bloom. Depleted soils will benefit from another application in late summer or early fall. Most gardeners experience rapid results in healthy leaf and flower growth. If you have not been using organics, it may take a while before the benefits become obvious. Be patient and you will be rewarded.

BioBloom is available in 20, 40 and 50 lb. bags. Talk to your Emerald Isle distributor or call us directly to discuss your needs.

**Distributed by:**

  
**MILLIKEN**  
TURF PRODUCTS  
1-800-845-8502

**Manufactured by:**

  
**Emerald  
Isle, Ltd.**  
1-800-628-GROW

