

*Stimulating colorful,  
healthy, vivacious  
blooms*

With annuals, you want the most pop and life in a much shorter time span. This is one reason why annuals, just like turf and ornamentals, thrive using a probiotic approach. Improving the overall plant physiology allows the plant to use water and food more efficiently and root more effectively, giving you colorful, full and vivacious flowers.

Bloom is a 100% organic bionutritional product that promotes strong plant health and vigor. Plants growing in Holganix amended soils are better able to resist infection and attack by pathogens and insects, and if affected by pathogens and insects, these robust vigorous plants are better able to recover from disease and insect attack. That means that Bloom can help you overcome hurdles such as watering, anchoring into native soil and disease.

## How does Holganix help?

**Healing In:** Endo and Ectomychorrhizae, fungi in the Holganix recipe, assist roots with water and nutrient uptake. In addition, the bacteria in Holganix help break down the initial potting media, making organic matter available to plant roots and improving soil for the rooting process. Lastly, lignin polymers assist in breaking up compaction to allow the roots to funnel deeper into the new habitat. All of these ingredients speed up and improve the healing in process.

**Vigor & Color:** Holganix biological properties allow you to reduce the amount of fertilizer needed to promote annuals with vigor, life and color. Tablespoons of fertilizer can be replaced by teaspoons. This is because soil bacteria in Holganix both fix nitrogen from the atmosphere and change bound nitrogen and phosphorous to the free form available for root uptake. More nutrients available in the soil means less fertilizer is required.

**Moisture Retention:** Mycorrhizae work cooperatively with plant roots. The roots release complex sugars to the soil that mycorrhizae use as food. The mycorrhizae transport water and nutrients from the soil to the roots. Additional ingredients in Holganix, yucca extract and sugars, assist the plants with water retention. The soil biology and added ingredients in Holganix enable plants to develop thick and deep root systems resulting in healthier plants with less need for irrigation.

**Healthy Plants:** Holganix contributes to a robust soil eco-system creating an environment that promotes plant health and vigor. Plants growing in Holganix amended soils are better able to resist infection and attack by pathogens and insects, and if affected by pathogens and insects, these robust, vigorous plants are better able to recover from disease and insect pestilence. Holganix promotes an ecologically balanced soil that is hospitable to strong, annual, flowering plants.

## Usage:

Upon installation, utilize Bloom at a rate of 10oz. per 1,000 square feet. Combine 2.25 gallons of Holganix Bloom with 200 gallons of water to then be applied at 7 gallons of mixture per 1,000 square feet.

To aid with watering and subsequent feedings, utilize Holganix at a rate of 3.33 oz per 1,000 square feet. Combine 0.75 gallons of Holganix Bloom with 200 gallons of water to then be applied at a rate of 7 gallons of mixture per 1,000 square feet.

\*Optional additional fertilization may be utilized at a rate of 1/8th pound of nitrogen per 1,000 square feet. Either a 20-20-20 or a 30-0-0 would make great choices.

