

# Tony's Magic Mix & Tony's Magic Flower

Organic-based Fertilizer with Mycorrhizae

<https://earthoriginalorganics.com/tony-s-magic-mix.html>

## *Benefits of Earth's Original Organics*

### **Tony's Magic Mix**

Tony's Magic Mix (4-3-1) contains a complete balance of nutrients so nothing else is needed. The ability of the neem seed meal to act as a denitrification inhibitor means that the nitrogen lasts long in the soil so you use it less frequently.

- The high microbial activity of the bat guano helps to resist harmful organism and pathogens in the soil, while the organic matter aids in moisture retention.
- Improves the organic matter content of the soil, water holding capacity and soil aeration leading to better root development.
- The nutrients nourish the soil as well as the plants.
- Kelp meal aids in building the plants natural immune system helping to fight against insects and disease.
- Carbohydrates and sugars in the molasses nourish the microbes in the soil increasing the overall microbial activity of the soil. Molasses also acts as a chelating agent making nutrients more available.
- Magnesium is the primary nutrient involved in chlorophyll production.

*Benefits of Mycorrhizae* Mycorrhizae: a fungus that grows in a symbiotic relationship with a plant's roots.

- Mycorrhizae increase the surface area of a plant's roots.
- The increased surface area of the roots aids in the absorption of nutrients and water that may not otherwise be available to the plant.
- Or we may say... aid/help the plants roots to grow larger making it easier for them to find/absorb nutrients.
- The result is a stronger plant that is better able to reduce/withstand stress.
- Mycorrhizae may even aid in the protection of the host plant against harmful/unwanted pathogens.
- May aid the plant in reaching its full genetic potential.
- Mycorrhizae release enzymes into the soil helping to absorb "bound up" minerals, particularly organic forms making them more available to the plant.
- Another way may be to say that mycorrhizae are effective in mobilizing nutrients in the soil (that may otherwise be unavailable to the plants).
- Mycorrhizae play an important role in plant nutrition.
- Mycorrhizae may lead to an increased tolerance to salt by the plant.

### *Benefits of Bat Guano*

- Bat guano has a high organic matter content which helps to retain moisture.
- Has a high beneficial microbial activity which helps to resist pathogens and harmful organisms in the soil.
- Contains, on average NPK levels of 9-3-1

### *Benefits of Kelp Meal*

- Kelp contains over 70 vitamins, minerals, growth hormones, enzymes and proteins. These include auxins, gibberellins and cytokines.
- Aids in building and supporting the plants natural immune system. This aids in its ability to resist disease, insects, frost and drought.
- Boosts nutrient uptake through chelating of minerals.
- Promotes seed germination.
- Promotes cell division.

### *Benefits of Magnesium Sulfate*

- Magnesium is the primary nutrient involved in chlorophyll production which helps plants to grow fuller and produce more flowers.
- Aids in the activation of plant enzymes and contributes to protein synthesis.

### *Benefits of Molasses*

- Molasses is a source of potassium, magnesium, calcium, iron and minerals.
- The carbohydrates and sugars nourish the microbes in the soil increasing overall microbial activity.
- Aids in the production of flowers and fruit.
- Molasses acts as a chelating agent making nutrients more available.

### *Benefits of Montmorillonite Clay/Volcanic Ash*

- It is a naturally occurring clay containing calcium which is used in building cell wall structure. Calcium deficiencies result in distorted growth from improper cell wall formation.
- Volcanic ash provides the same benefits of glacial rock dust for the plants and soil.

### *Benefits of Neem Seed Meal*

- Enhances the efficiency of nitrogen acting as a denitrification inhibitor.
- Improves the organic matter content of the soil, water holding capacity and soil aeration leading to better root development.
- Contains a high degree of macro and micronutrients including nitrogen, phosphorous, potassium, zinc, copper, calcium, magnesium, manganese and sulfur.
- Promotes healthy microbial/microflora activity.
- Where already present it may increase earthworm numbers and productivity significantly.

### **Tony's Magic Flower**

Tony's Magic Flower (1-5-1) contains a complete balance of nutrients so that nothing else is needed.

- The slow-release action of the bat guano makes the nutrients available longer meaning you use less.
- Nourishes the roots as well as the shoots.
- Contains a high degree of macro and micro nutrients including nitrogen, phosphorous, potassium, zinc, copper, calcium, magnesium, manganese and sulfur.
- Magnesium is the primary nutrient involved in chlorophyll production leading to fuller plants and an increase in flower and fruit production.
- Molasses aids in the production of flowers and fruit. Molasses also acts as a chelating agent making nutrients more available.