



*Bacteria that solubilize soil minerals and nutrients to enhance crop production.*



**Agricultural Benefits**

Easy to use water soluble powder formulation.

Enhances the availability of plant nutrients through the root system.

Compatible with all seed treating equipment and most treatment chemicals, fertilizers, and biologicals\*

**(CONTAINS NON-PLANT FOOD INGREDIENTS)**

**Guaranteed Analysis**

Active Ingredients:

<i>Bacillus licheniformis</i> . . . . .	(1x10 <sup>8</sup> cfu/g) . . .	2.0%
<i>Bacillus megaterium</i> . . . . .	(1x10 <sup>8</sup> cfu/g) . . .	2.0%
<i>Bacillus pumilus</i> . . . . .	(1x10 <sup>8</sup> cfu/g) . . .	2.0%
<i>Bacillus subtilis</i> . . . . .	(1x10 <sup>8</sup> cfu/g) . . .	2.0%
<i>Bacillus amyloliquefaciens</i> . . . .	(1x10 <sup>8</sup> cfu/g) . . .	2.0%

Inert Ingredient:

<u>Sucrose Powder</u> . . . . .	<u>90.0%</u>
Total . . . . .	100.0%

**Density:** 0.676g/ml @ 68°F

**Net Weights:** 1.4, 2.8, 3.5, 149 oz. (40, 80, 100, 4225g)

**Lot # & Expiration Date:** \_\_\_\_\_

**Purpose**

**BioTango** is a crop treatment containing bacteria that solubilize soil minerals and nutrients to enhance crop production. The microbes in **BioTango** will remain inactive until soil moisture levels are sufficient to stimulate seed germination. Upon activation, the microbes establish in rhizosphere soils and solubilize bound minerals and nutrients. **BioTango** is formulated to be compatible with all existing seed treatment equipment and certain chemicals\* and can be simply added as an additional component during the seed or crop treatment process.

**Directions for Use**

(For stronger results we recommend using **BioTango** with **BioEnsure** for any of the below applications.)

**BioTango** can be used for on-seed, in-furrow or foliar spray applications following the instructions below. See *Application Rate table for product volumes for your crop.*

**Seed Treatment:** To achieve optimal seed coverage, dissolve **BioTango** in water and apply directly to dry seed alone or in combination with other inoculants and/or registered seed treatments. **BioTango** is a mix of living organisms and should NOT be tank-mixed with products containing biocides. Liquid **BioTango** solution should be used within 4 hours.

**In Furrow:** To achieve optimal seed coverage, add **BioTango** to delivery tank containing water. Apply directly onto seeds during planting. Do not tank-mix with products containing biocides. Liquid **BioTango** solution should be used within 4 hours.

**Foliar Spray:** Dilute **BioTango** with water and mix until dissolved. Directly spray onto plant tissue during vegetative, or reproductive growth stages. After mixing with water, use **BioTango** solution within 4 hours.

**\*Ask AST for approved chemicals tested for compatibility with BioTango. Do not mix with non-approved agrochemicals or product mortality may occur. Always use separate tanks when using other chemical treatments.**

### Application Rates

Crop	In Furrow (g/40 acres)	In Furrow (fl. oz./40 acres)	Foliar Spray (g/acre)	On-Seed (g/100 lbs. seed)	On-Seed (fl. oz./100 lbs. seed)
Alfalfa	40.0	2.0	1.0	5.0	0.25
Barley	40.0	2.0	1.0	1.0	0.05
Canola	40.0	2.0	1.0	20.0	1.00
Corn	40.0	2.0	1.0	5.0	0.25
Cotton	40.0	2.0	1.0	7.7	0.40
Rice	40.0	2.0	1.0	2.0	0.10
Soybean	40.0	2.0	1.0	2.0	0.10
Wheat (Spring & Winter)	40.0	2.0	1.0	1.0	0.05

\*Application Note: 0.5 fl. Oz. = 1 Tbsp.

### Application Notes

Do not tank-mix with fungicides or products containing biocides. Do not exceed label dosage rates. Do not use with soil fumigants. After diluting with water use **BioTango** solution within 4 hours.

### Storage and Disposal

To maintain performance of these live microbes, keep container closed until use and do not expose to direct sunlight or temperatures above 80°F/27°C. For best results use product by expiration date on product label. Follow any local applicable waste disposal regulations for inoculants and plant amendments.

### Handling & Caution

The microbes in this product are not harmful to humans. However, in the rare instance of an allergic reaction, we recommend gloves, eye protection and mask be used when handling material. Wash hands with soap and water after using. Do not swallow or breath powder. Avoid contact with eyes and open skin. Keep out of reach of children and pets.

### Warranty Statement

The seller warrants that this product contains a minimum number of viable beneficial microorganisms as indicated on this label. The seller makes no other warranty expressed or implied as to product viability or performance since storage, use and growing conditions are beyond the seller's control. Seller's guarantee is limited to the terms set out on the label and subject thereto. Buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

Where required, information regarding the contents and levels of metals in this product is available online at: [www.aapfco.org/metals.html](http://www.aapfco.org/metals.html)

### Manufactured & Guaranteed by:

Adaptive Symbiotic Technologies  
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