



# PRODUCT TECH SHEET

# MULTIPLICITY™

## Product Description

Multiplicity is a unique package of microbial strains designed to enhance soil conditions which will promote early root development, help fix nitrogen, and make phosphorus available throughout the growing season.

## Application Benefits

- Can be used across a wide-range of agricultural settings
- Brings atmospheric nitrogen to the root area where it can become available to the plant
- Can solubilize insoluble forms of phosphorus making it available to the plant
- Enhance rhizosphere activity for better root development
- Synergizes the interactions between beneficial bacteria and fungi to do their best work
- A formulation of billions of microbes ready to help your crops reach their full potential

## Active Ingredients

Azospirillum Brasilense . . . . .	1 x 10 <sup>7</sup> CFU/ml
Bacillus Altitudinis . . . . .	1 x 10 <sup>8</sup> CFU/ml
Bacillus Amyloliquefaciens . . . . .	1 x 10 <sup>7</sup> CFU/ml
Bacillus Licheniformis . . . . .	1 x 10 <sup>7</sup> CFU/ml
Cellulomonas Cellasea . . . . .	1 x 10 <sup>7</sup> CFU/ml
Pseudomonas Fluorescens . . . . .	1 x 10 <sup>7</sup> CFU/ml
Pseudomonas Putida . . . . .	1 x 10 <sup>8</sup> CFU/ml
Pseudomonas Stutzeri . . . . .	1 x 10 <sup>8</sup> CFU/ml
Streptomyces Albidoflavus . . . . .	1 x 10 <sup>5</sup> CFU/ml

## Application Rates

**GENERAL:** Multiplicity should be applied at the rate of one teaspoon per acre. Mix the required number of teaspoons of Multiplicity in one gallon of water. For example: to treat 2 5 acres, mix 25 teaspoons of Multiplicity in one gallon of water. After mixing, add to your tank. Multiplicity is tank-mix flexible with most agricultural products, and can be used as a pre-plant or pre-emergence soil spray, applied in furrow or foliar applied with chemicals and/or fertilizers. For foliar applications, final dilution rate should be 10-20 gallons of liquid per acre. For application through irrigation systems, contact your Monty's representative for more information.

**HIGH-YIELD:** Monty's high-yield program can vary for crops, application rates and timing. If you are interested in a high-yield program, contact your Monty's representative.

## Directions For Use

- Can be used in-furrow, foliar, 2x2, and y-drop.
- Do not mix with fungicides. Do not mix with copper or zinc concentrations greater than 10%. Use within 24 hours of mixing with water, chemicals or other products.
- Best if used with other Monty's products including starters, foliars, micronutrients, and biologicals. Ask your representative about specialized programs.
- See label for more detailed information.

## Physical and Chemical Properties

Water Solubility: 100%

Density: 9.6 lbs./gal.

**Monty's products** are recommended as supplements to your current farming practices and are not recommended to replace the nutrients typically added to the soil. We suggest taking a soil and/or tissue test, have a qualified independent lab analyze the samples to determine nutrient levels in your soils and plants, and then follow the recommendations of a qualified CCA, agronomist or dealer.

When tank mixing any Monty's product with other farm chemicals, always read and follow the label directions of the chemical(s) you are considering and administer a jar test and/or a strip test before adding Monty's to your tank mix. When mixing with other farm chemicals, tank mix Monty's only after diluting the chemical according to label directions. Knowing the chemical's "mode of action" (block photosynthesis) or metal content (copper based) will help determine the compatibility of Monty's.

**FOR COMMERCIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. HARMFUL IF SWALLOWED. AVOID CONTACT WITH SKIN, EYES, OR CLOTHING.**

*Information regarding the contents and levels of metals in this product is available on the Internet at: <http://www.aapfco.org/metals.html>*

For more information, consult your sales representative, visit [montysplantfood.com](http://montysplantfood.com), or contact Monty's at 800.978.6342.