

**Compost-Aid®****Company:** Alltech Crop Science**Classification:** Compost Additive**Inactive Ingredient:** Lactose**Formulation:** Soluble powder

GUARANTEES	
<i>Lactobacillus plantarum</i>	1.5 X 10,000,000 UFC/g
<i>Enterococcus faecium</i>	1.5 X 10,000,000 UFC/g
<i>Bacillus subtilis</i>	1.5 X 10,000,000 UFC/g
Cellulase	6.0%
Amylase	0.6%

**MODE OF ACTION:**

Compost-Aid is an inoculant that is specially developed to promote positive interactions in the decomposition of organic materials derived from agricultural and other residues, turning these into an enriched biomass. Its singular composition guarantees a supply of live microorganisms capable of interacting in the physiochemical control of the bio-fertilizer, beyond guaranteeing a larger microbiologic balance with the presence of Rhizobacteria, growth promoters and their enzymes which increase the availability of minerals.

The production of secondary metabolites, such as peptide and antibacterial components called bactericides which inhibit the growth of phytopathogens, are attributed to *Lactobacillus plantarum*, *Enterococcus faecium*, and *Bacillus subtilis*. Furthermore, we can consider these microorganisms beneficial as they promote a probiotic interaction which contributes to crop protection.

Its enzymatic composition interacts with the protective and survival structures of the phytopathogenic microorganisms, which consist of lipids and proteins, and when these come in contact with the product they break down and become exposed to the medium which causes their death.

**BENEFITS:**

- " Speeds and standardizes the decomposition process of organic material
- " Includes Growth Promoting Rhizobacteria
- " Improves the microbiologic activation of the soil
- " Promotes equilibrium in the rhizosphere
- " Increases the health of the root system through the inclusion of *Bacillus subtilis*, one of the most active microorganisms in the control of phytopathogenic agents and with an extreme rate of multiplication in organic material.
- " Includes bio-mitigating microorganisms which may be used in the treatment process of xenobiotic residues.

**DOSAGE:**

For the breakdown of materials in the soil: 1-2 Kg/ Ha (application through fertigation) which can be divided into 2 or 3 applications.

**QUALITY:**

Through the process of freeze drying, Alltech Crop Science guarantees the viability and integrity of the microorganisms present in Compost-Aid®, increasing security and reliability in its results.