

BIOACT™SD

Biological Stubble Digester



BioAct SD is a stubble digester that accelerates the degrading process of field stubble and crop residue.

How it Works

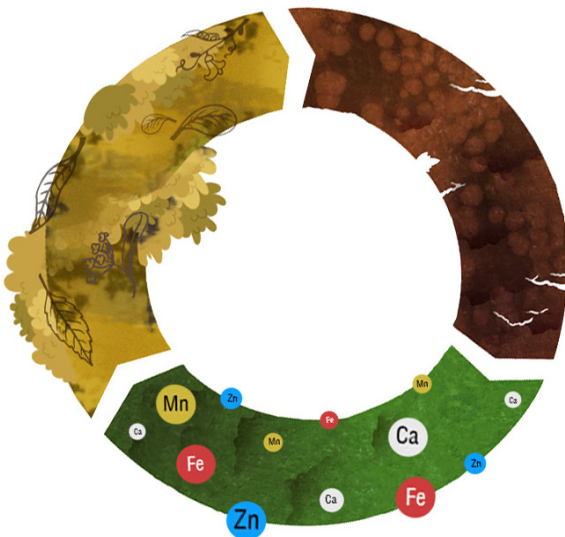
BioAct SD contains billions of functional microorganisms and humic acid, which greatly increases the microorganism population in the soil. These active microorganisms are able to produce enzymes, such as cellulase, protease, amylase, and lipase, which generate earlier decomposition.

The Decomposition Cycle

Faster decomposition is possible thanks to **BioAct SD's** diverse and abundant microorganism population. These microorganisms kick-start a decomposition cycle that increases available plant nutrients and organic matter in the soil.

Microbes and enzymes complexes digest crop residues

Microorganisms produce an influx of beneficial enzymes



Nutrients are made available for crops

**Made in
USA**

Advantages:

- Speeds up the decomposition of difficult plant stubble
- Boosts microorganism quantities
- Increases the diversity of beneficial microorganisms
- Elevates nutrient availability in soil

Key Features

- A soluble powder form plant stubble decomposer
- Contains billions of functional active microorganisms to produce enzymes
- Microorganisms and their enzyme complexes can enable quick and healthy decomposition of crop residues
- Sustainable, non-hazardous, and green product



Benefits of Use

The combined actions of enzyme complexes and microorganisms provide **BioAct SD** with a healthier and faster decomposition ability. Not only does **BioAct SD** improve the properties and fertility of soil, but it also promotes crop growth, stress resistance, and product quality by increasing macro and micronutrient availability in soil.



Check

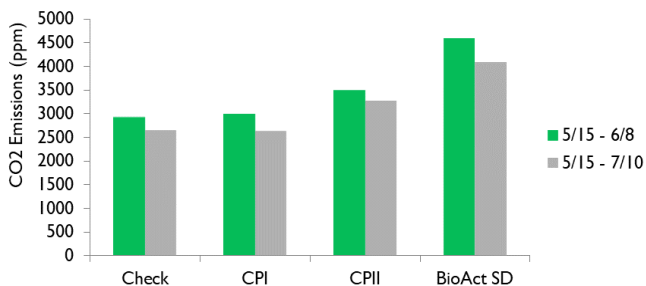
Bioact SD

Check

Bioact SD

BioAct SD increased the root formation and growth of leaf lettuce

BioAct SD increased drought resistance of crops



The average amount of CO₂ emissions of **BioAct SD** and other commercial product (CPs) on composting materials.

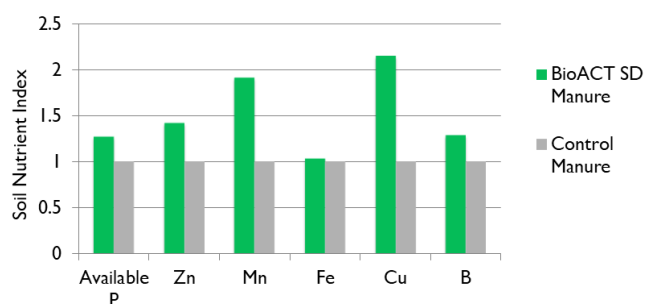
Product Profile

Form: Soluble powder

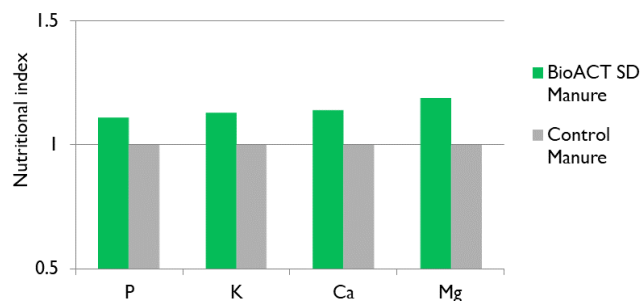
Function: Shortens decomposition process

Compatibility: Compatible with all types of chemical fertilizers; not compatible with pesticides or herbicides

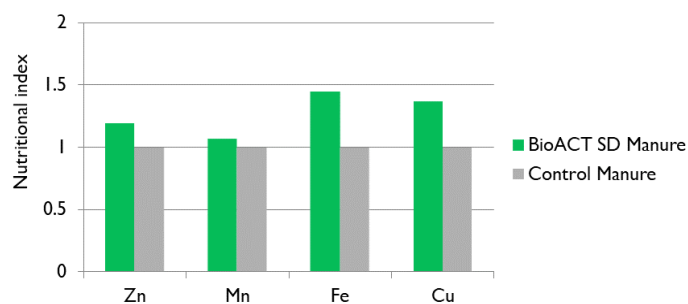
Shelf Life: 2 years



The ratio of available phosphorus and micronutrients in soil after **Bioact SD** application.



The ratio of macronutrients increased in lettuce tissue after **Bioact SD** application.



The ratio of micronutrients increased in lettuce tissue after **Bioact SD** application.