



BIOLOGICAL PRODUCTS



CERTIFIED ORGANIC



POWDER



ECO-FRIENDLY

BioAct™ SD

Bacillus subtilis, Pseudomonas putida, Trichoderma harzianum & Trichoderma koningii + Humic Acid

BioAct™ SD is a biological stubble digester, comprised of humic acid and over a billion aerobic and anaerobic beneficial bacteria and fungi. It is designed to accelerate the degradation process of old stubble and crop residues as well as increases beneficial soil microbial activity.

BioAct™ SD also includes heat-tolerant isolates to speed up the decomposition of difficult materials.

The BioAct™ SD Advantage

- Combined modes of action of the beneficial microorganisms give BioAct™ SD its strong decomposition ability.
- BioAct™ SD crowds out pathogens associated with crop residues and tips the numbers of beneficial organisms in favour of plant growth and development.
- Well-digested stubble reduces the availability of hosts to harbour pathogens. This improves soil biology providing the next crop cycle with greater plant protection and available nutrient resources.
- Nitrogen fixing bacteria in BioAct™ SD improve nitrogen levels in soil, reducing reliance on

Guaranteed Analysis

<i>Bacillus subtilis</i>	2x10 ⁹ cfu/gram
<i>Pseudomonas putida</i>	1x10 ⁶ cfu/gram
<i>Trichoderma harzianum</i>	1x10 ⁵ cfu/gram
<i>Trichoderma koningii</i>	1x10 ⁵ cfu/gram
Humic Acid (derived from leonardite)	3%

Nitrogen fertilisers.

- Improved soil biological activity increases the ability of soil to hold on to more nitrogen, providing an organic and steady supply due to symbiotic plant biological processes.
- BioAct™ SD is a powerful 3 in 1: Turns residues into green manure, decreases pathogen levels and increases soil health for next crop all at the same time.
- Certified Organic.

Benefits

- Fast and organic breakdown of plant residues
- Prepares a healthier soil profile for next cropping and reduces trash clearance at next planting
- Overall soil health is increased with improved: tillage, fertility, number of beneficial microorganisms, physical structure, friability and reduced compaction
- Crowds out pathogens associated with stubble and crop residues and decreases pathogenic spores in the soil for the next cropping
- Eliminates need for stubble burning
- Organic and safe to use



Available Pack Sizes

1 kg | 10 kg | 25 kg

Application Guidelines

CROP	GENERAL APPLICATION RATES
VEGETABLES: Bulb, Tuber, Root, Leafy Vegetables and Brassicas	Apply 1-2 kg/ha followed by disking them into the soil profile & followed by irrigation for faster decomposition
ORCHARDS & VINEYARDS (incl. Kiwifruit)	Apply 1kg/ha followed by a rainfall or irrigation
TROPICAL FRUIT: Bananas and Pineapple	Apply 2-3kg/ha followed by disking them into the soil profile followed by irrigation for faster decomposition
BROADACRE: Wheat, Barley, Cotton, Rice, Corn, Pyrethrium, Poppies etc	Apply 1-3 kg/ha depending on how coarse or fine the residues are followed by rainfall
GENERAL INSTRUCTION	<p>FINE CROP RESIDUES: Apply 1-2kg/ha and disk into the soil profile COARSE CROP RESIDUES: Apply 1-2kg/ha and disk into soil profile</p> <p>FOR BEST RESULTS: * Spray 1-2kg BioAct™ SD to crops and ensure good coverage * Disk crop residues into the soil to further enhance the decomposition process</p>

For more information on application rates and timing relevant to your crop or circumstances please contact your local distributor or visit www.zadco.com.au

Disclaimer: Any rates of application and timing may vary and are subject to change according to crop variety, crop demand for nutrient/s, seasonal variations, and crop circumstance. Technical advice is provided to growers on the basis that the information supplied by the grower or agent is correct and that any technical support obtained from third parties (e.g. soil and leaf analysis results) is also correct at the time of preparation of the report. Zadco does not accept any liability whatsoever and howsoever arising from the use of the technical advice and the products used, should the information supplied to Zadco be incorrect or inaccurate. For warranty details, please refer to JH Biotech's warranty on the product label.

BioAct™ SD Treatment



IMAGE 1.
Potato debris before BioAct SD™



IMAGE 2.
After 2kg/ha of BioAct SD™



IMAGE 3.
Before application of BioAct SD™ on a blend of green manure



IMAGE 4.
After 2kg/ha of BioAct SD™ on a blend of green manure

Compatibility

BioAct™ SD is compatible with almost all NPK fertilisers and trace elements. BioAct™ SD is NOT compatible with herbicides and pesticides – Leave a 10-day window before applying these.

Product Handling & Storage

Store BioAct™ SD in dry and cool places. Avoid direct sunlight and store below 30°C. Do not subject the product or its ingredients to temperatures above 45°C at any time. Store away from incompatible materials.