

BIO-MULCH

A biological solution for straw decomposition



ACCELERATED
DECOMPOSITION



IMPROVED HUMUS
FORMATION



DISEASE
REDUCTION



MORE BIOLOGICAL
SOIL ACTIVITY



UNLOCKS NUTRIENT
RELEASE



BIOLOGICAL
INOCULANT



A biological solution for straw

decomposition. Bio-Mulch is a biological soil amendment designed to accelerate the decomposition of crop residues, such as straw. It contains a blend of beneficial microorganisms, including bacteria, fungi, and nitrogen-fixing organisms.



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Why BIO-MULCH?

- **Microbial activity:** Utilises a consortium of beneficial microorganisms to break down lignin and other components of crop residues.
- **Nutrient cycling:** Releases nitrogen, phosphorus, and other nutrients for plant uptake.
- **Soil structure improvement:** Enhances soil water infiltration and root growth.



- **Accelerated decomposition:** Speeds up the breakdown of crop residues.
- **Humus formation:** Creates beneficial humus for improved soil structure.
- **Disease reduction:** Helps reduce the effects and carryover of diseases.
- **Increased soil biological activity:** Promotes a healthier soil ecosystem.
- **Nutrient release:** Releases phosphate and triggers plant growth hormones.
- **Biological inoculant:** Uses beneficial rhizospheric or endophytic microbes to promote plant health.



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