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## EVIRONOC 501 & ENVIROBEADS 301

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Supplied by **REINAGRI**, is an advanced microbial solution designed to meet the needs of various industries by providing high-performance microbes that address key environmental challenges. Their innovative composition enables the breakdown of organic materials, supporting sustainable operations while improving environmental outcomes.

### ENVIRONOC 501 - COMPOSTING, REDUCING AND DETHATCHING ENHANCEMENT

Leftover crop residue and stubble from last season's harvest can present significant challenges. From increased fertilizer requirements to tire damage and higher fuel consumption, undigested residue can drain your financial resources. However, there's a more efficient solution.

**REINAGRI's** ENVIRONOC 501 Biological Stubble Digester is a powerful broadcast application containing high concentrations of over two dozen naturally occurring, non-genetically modified beneficial microbe strains.

By applying **REINAGRI** ENVIRONOC 501 at the end of your season, you're setting the stage for success in the next. This treatment not only enhances soil workability and simplifies planting, but also reduces the strain on your tires and equipment from tough crop residue.

### ENVIROBEADS 301 - ALL AQUARIA, GROUND WATER & WASTEWATER TREATMENT PLANTS

**REINAGRI** ENVIROBEADS 301 features an optimised combination of Gram-positive and Gram-negative bacteria, actinomycetes, and fungi, each playing a critical role in degrading a wide variety of organic compounds:

- **Bacteria:** Degrade carbohydrates, proteins, lipids, and even hydrogen sulfide, reducing odors like the "rotten egg" smell.
- **Actinomycetes:** Special soil bacteria capable of breaking down organic plant material and polymers.
- **Fungi:** Efficient at degrading long-chain polysaccharides, lipids, and proteins, even in low-oxygen conditions.



These microbes continually secrete billions of enzymes that simplify complex organic waste into digestible formats. Unlike standalone enzyme products, **REINAGRI's** ENVIRONOC 501 and ENVIROBEADS 301 uses living microbes that continue to breed and multiply, ensuring long-lasting efficacy.

#### Applications

##### Municipal and Private Wastewater Treatment:

- Enhances microbial nitrification and denitrification processes.
- Reduces levels of ammonium, nitrates, phosphates, total suspended solids (TSS), and chemical oxygen demand (COD).
- Decreases hydrogen sulfides and other odorous compounds.
- Reduces build-up of excessive sludge, enhancing Return Active Sludge (RAS) system efficiency.

##### Aquatic Systems:

- Controls algae growth by outcompeting algae for nutrients.
- Ideal for freshwater ponds, lakes, dams, and fish farms (such as Koi and trout farms).
- Improves water clarity and quality in aquariums, irrigation ponds, and fish tanks.

##### Grease and Fat Traps:

- Produces enzymes that digest fats, starches, and proteins under various temperatures.
- Reduces line clogging and lowers BOD (biochemical oxygen demand) and TSS in grease trap effluent.
- Minimizes the need for frequent grease trap pumping.

##### Septic and Conservancy Tanks:

- Effective in breaking down organic waste and reducing odors in septic tanks, conservancy tanks, and greywater collection systems.
- Helps maintain system balance and reduces the risk of blockages.

#### Benefits

- ✓ **Sustainability:** By supporting natural microbial processes, EnviroBeads 301 contributes to eco-friendly waste management and environmental protection.
- ✓ **Cost Efficiency:** Slow-release formulation reduces the need for frequent reapplication, lowering operational costs and improving system efficiency.
- ✓ **Odor Control:** Effective at reducing hydrogen sulfide and other offensive odors, improving air quality around treatment areas.
- ✓ **Immediate Action:** Unlike spore-based products that require germination, EnviroBeads 301 microbes are ready to start working immediately upon application.
- ✓ **Versatility:** Suitable for a broad range of industries, from agriculture to hospitality, food production, and water treatment.