Bio-Regen OWS *(Organic Waste Solution)*

3tier TECHNOLOGIES

Product Overview

Using billions of organic waste-specific microbes, **Bio-Regen™ OWS (Organic Waste Solution)** is formulated to treat organic waste problems at the source. An array of highly specialized species and subspecies of Bacillus microbes that exhibit specific enzymatic activities is selected to rapidly decompose organic solid wastes as well as reduce harmful levels of wastewater nutrients and/or odor causing agents. Reductions in noxious odors through combative inhabitance are the cornerstone of the microbial activity in the **Bio-Regen™ OWS** series. The Turbo Technology is shelf-stabilized to react quickly upon product application. Unlike other microbial technologies, which require longer times for the microbial preservation system to wear off, the Turbo Technology ensures the beneficial microbes enter hyper growth as rapidly as possible, reacting with the organic waste to provide real results.

Most competitors' products have fallen short in their claims by using outdated technologies that simply add microbes to the organic waste expecting them to magically multiply and speed the treatment process. **Bio-Regen OWS**, when added to the organic waste, activates to significantly reduce odors, greatly increase the decomposition of various organic solids, and metabolize unwanted, odor causing bacteria. **Bio-Regen OWS** combines the power of **Carboxx** with billions of these specialized, supercharged microbes and enzymes to join with newly fortified indigenous beneficial microbes to quickly metabolize solids and overwhelm harmful bacteria that produce odor and other undesirable byproducts.

Application Information

Bio-Regen™ OWS is highly concentrated and should be diluted with water prior to applications. Mixing can be done at a minimum of 5 parts clean water to 1part concentrate and as high as 200 parts water to 1 part concentrate. Water between 42° and 120° F (6° and 50° C) gives you optimum performance.

Wastewater, Lagoon/ Pond Applications: General application rates for wastewater, ponds and/or lagoons range from 5 PPM to 100 PPM monthly based on the system requirements and goals to be achieved. For optimum results, specified applications are applied in multiple applications throughout the month or on a normal injection schedule. For biological tank applications, continuous injection of product is recommended and rates are calculated based on GPM or GPD, holding times, and additional processing systems available after initial treatment.
Note: Wastewater facilities vary from facility to facility. Contact 3 Tier for site specific recommendations.

General Organic Waste Applications: Organic waste materials vary significantly in the manner and time required to breakdown. Accordingly, application rates for organic waste materials can vary according to dilution rates, material type, and desired outcome i.e. odor control, ammonia reductions, or material decomposition. A good rule of thumb is 4 to 8 oz. (120 – 240 ml) concentrate per cubic yard (meter) of material. The key is to dilute the concentrate in sufficient water to allow material to be properly saturated.
Contact 3 Tier for specific recommendations.

Technical Information

Bio-Regen™ OWS is an active mixture of naturally occurring, single-celled micro-organisms with a complete amino acid packet delivered in an activated humic acid solution creating a triple action "catalyst and support system" that enhances the natural biodegradation process. It is specially formulated to be safe and environmentally enhancing while being effective.
Product Effectiveness: The effectiveness of this product and the "speed" at which it works is determined by certain factors. In general these factors are as follows:
Odor: In most cases, odor will be significantly reduced or eliminated within one day of treatment.
Type of Complex Organic Materials: Some complex organic materials take longer than others. It has been our experience that most wastewater systems acclimate to our process within a week of the initial treatments.
Aeration: Depending on the overall depth of the system, normal oxygen levels, sludge buildup and odors, the addition of aeration may be required to maximize final results.
Shelf Life: Properly stored unopened containers have a shelf life of 2 years, 1 year after opening

For more information Contact:

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