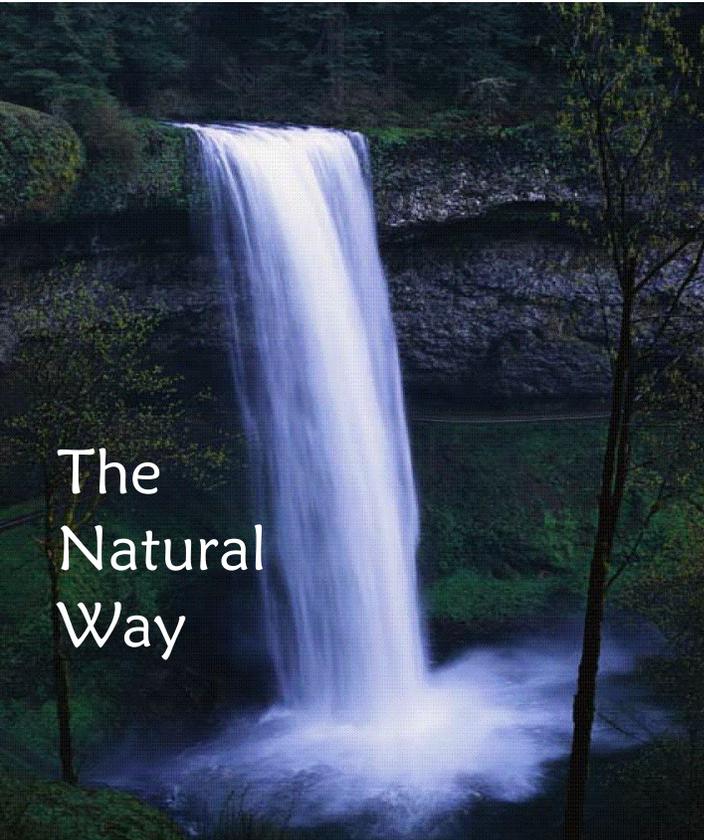


MANURE DEGRADER

MICROBIAL BLEND FOR USE WITH MANURE PITS AND LAGOONS



The
Natural
Way

Description

MANURE DEGRADER is a specialized blend of aerobic and facultative anaerobic bacteria specifically selected and adapted to degrade waste in manure pits or lagoons. **MANURE DEGRADER** contains a pH buffer to aid in neutralizing the pH of the pit in order for the bacteria to degrade the waste in a more stable environment. This product will reduce odor and prevent the production of high amounts of ammonia.

Applications

- SBR (Sequencing Batch Reactors)
- Facultative Lagoons
- Aerated Lagoons/Basins
- Holding Ponds
- Ditches
- Trickle Filters
- Manure Pits

Benefits

- ◆ Reduces the amount of sludge to be dredged or landfill
- ◆ Effectively increases capacity of lagoon system
- ◆ Reduction in flies and other insects
- ◆ Return of more natural flora and fauna may be seen



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Features

- ◆ Reduces odor
- ◆ Reduces atmospheric ammonia concentration and associated toxicity for workers
- ◆ Improves public relations by reducing malodors which affect the neighboring community
- ◆ Increases the nutrient value of the waste for fertilizer by adding microorganisms which improve nutrient uptake and stimulate plant growth
- ◆ Improves handling characteristics of the waste material by removing scum layers and softening solid deposits in manure lagoons and pits
- ◆ Accelerates degradation of cellulolytic materials

Fields Applications

Dairy cattle - Apply two pounds per month for every 25-30 head (1200-1400 lbs. manure) assuming all manure is collected. Apply monthly or breakdown into weekly or biweekly dosages. To dose, premix in water and spray into reception pit, gutters, through slats, ram pumps or piston pumps, and over manure in alleyways.

Swine containment areas – Apply one pound monthly for every 3000 gallons of manure collected per month. For greatest effect dose weekly or biweekly. Apply as described as above.

Waste Lagoons- Application rates are based on influent volume and condition of lagoon. When a lagoon or pit is crusted on the surface, spray dosage over surface and maintain a layer of 6-12 inch liquid on surface until crust is removed. Variations in dosage may be determined on a case by case basis.

Waste Pits Bacterial action breaks up gelatinous or solid matrix in waste pits. Soak one pound in 5-10 gallons of water and spray through suitable, clean agricultural sprayer. Cultures must be sprayed evenly over the entire surface to be effective in liquefying surface scum. Initial dosage of five pounds per 6000 gallons should be applied weekly until improvement in odor and consistency is determined (2-3 weeks). Dosage may then be reduced to one pound per 3000 gallons dosed on a monthly basis.