

1501 SERIES

ANIMAL WASTE DEGREDDATION

POWDERS

OVERVIEW

Reduction of sludge, disposal of animal waste & odor control have inhibited expansion animal production facilities throughout the United States. The increase in regulatory requirements in dealing with animal waste solids has required growers to closely evaluate their internal process and disposal options. Through extensive research and development REX-BAC-T has developed a selection process to identify superior microbial strains dedicated to the reduction sludge in the animal waste process, while also reducing the odors associated with such processes. RBT 1501 accomplishes these tasks with a delicate microbial balance that is very important for healthy animals. The billions of robust microbes contained in RBT 1501 thrive eating the manure of pigs, cows and other animals in waste lagoons accomplishing 3 goals:

1. Decrease solid and sludge accumulation – The addition of these select microbial cultures decreases solid and sludge as it is the main nutrient source for these organisms. The microbes process the animal waste as a food source, with an end by-product of water and carbon dioxide. The use of RBT 1501 dramatically reduces the requirements for pumpouts or dredging requirements of animal waste lagoons.
2. Reduce odors – RBT 1501 degrades the animal waste, while not producing noxious by-products, unlike untreated waste. Substantial reduction of odors is seen by the introduction of this consortium.
3. Modify nutrients to provide fertilizer – They digest the manure and produce a gentle, fast-acting fertilizer that has billions of environmentally friendly microbes.

In reality, even though the natural population may develop into an acceptable one over a very long period of time, there are performance limitations that only can be overcome through the introduction of superior strains of specific microorganisms. This bioaugmentation approach is an accepted and proven method of degrading a surplus of organic materials such as BOD. Because animal wastes yield a large amount of BOD prior to entering a water system, RBT 1501 is the ideal solution to decreasing the amount of BOD found in sludge thus making this product effective in complying with wastewater purification laws. These environmental improvements realized through the use of RBT 1501 lead to reduction of sludge accumulation, dramatic odor control, better wastewater quality, enhanced relations with surrounding communities, and most important of all, a healthier end product.

APPLICATIONS:

- I ACTIVATED SLUDGE SYSTEMS
- I SEWERS
- I AERATED LAGOONS
- I HOLDING TANKS
- I MANURE PITS
- I FACULTATIVE LAGOONS
- I OXIDATION DITCHES
- I WASTEWATER PLANTS
- I HOLDING TANKS

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ADVANTAGES:

- I GREATLY REDUCES LABOR TIME
- I ENHANCES BOD/COD REMOVAL
- I REDUCES HYDROGEN SULFIDE
- I ELIMINATES NEED FOR HARSH CHEMICAL TREATMENTS
- I INCREASES SYSTEM EFFICIENCY
- I CONTAINS NO CHEMICALS
- I ELIMINATES MALODORS AT THEIR SOURCE
- I DEGRADES HIGH CONCENTRATIONS OF WASTE
- I DEGRADES A WIDE RANGE OF COMPLEX ORGANICS
- I CONTAINS FACULTATIVE ANAEROBES

TARGETED COMPOUNDS

- I ANIMAL FATS / WASTES
- I FOG'S
- I PROTEINS, STARCHES, TRIGLYCERIDES
- I HYDROGEN SULFIDE & AMMONIA
- I FOAMING

STRAINS

- I MULTI-STRAIN SPORE BLEND

TYPICAL PROPERTIES

- I APPEARANCE TAN POWDER
- I FRAGRANCE MILD
- I FORM POWDER
- I SHELF LIFE 24 MONTHS
- I EFFECTIVE pH range..... 5.0 – 10.0
- I EFFECTIVE TEMPERATURE RANGE..... 34-120 DEGREES F

BACTERIA CONCENTRATION

- I 5.1 Billion CFU/g

PACKAGING

- I 30, 50, 100, 400 AND 2,000 LB. CONTANERS
- I ALSO AVAILABLE IN 2 OZ., 4 OZ., 8 OZ., AND 16 OZ. WATER-SOLUBLE BIO-PACKETS