

BioCap™ Hog Lagoon SEBS

Rapid Degradation of Waste Organic Matter

Product Information

BioCap™ Hog Lagoon SEBS is a biologically enhanced treatment designed to reduce odors, solids, crusting, calcification, and gas emissions in hog and dairy lagoon systems. Capable of reducing odors by up to 95% depending on lagoon age and solid accumulation, odor control is typically achieved within one week of application.

The product will not deplete the fertilizer value of the manure or destroy ammonia, nitrate, and other manure nutrients which are essential when applying to farm fields.



Challenge

Heavy organic waste loadings in lagoon systems generate high levels of solids, malodor, crust formation, mineral deposits, and hazardous gases like methane and hydrogen sulfide. These conditions compromise lagoon operation, damage infrastructure via uric salt mineral deposits, and impact environmental health.



Solution

BioCap™ Hog Lagoon SEBS utilizes a stabilized blend of Bacillus and Pseudomonas strains, optimized for rapid degradation of waste organic matter. This biological formulation:

- Enhances settling by consuming Total Suspended Solids (TSS)
- Reduces sludge accumulation and floating solids
- Liquefies solids and crusts
- Minimizes malodor and hydrogen sulfide gas
- Prevents uric salt mineral deposits in pumps and lines
- Contains both aerobic and anaerobic microorganisms
- Is non-toxic, liquid, and easy to apply
- Contains live microorganisms, not enzymes or spores

Application

Suitable for hog and dairy farm lagoons and ponds.

Benefits

- Odor reduction within one week
- Decreased veterinarian expenses
- Liquefaction of bottom solids
- Reduction of crust formation
- Improved neighbor relations
- Preservation of manure's fertilizer properties

Advantages

- Non-toxic and environmentally safe
- Reduces odors via aerobic digestion
- Lowers hydrogen sulfide and other harmful gases
- Decreases sludge volume and floating solids
- Reduces Fats, Oils, and Greases (FOG)
- Achieves uniform nutrient distribution in manure
- Maintains fertilizer value

- Reduces salt, chloride, and sodium contents
- Supports organic waste digestion

Directions & Mixing Instructions

- Review label for storage, handling, and safety.
- Shake well before use.
- Mix one package of SEBS Activator per 5-gallon bucket; allow to set for 30 minutes before application.
- Apply evenly around lagoon perimeters, via direct pouring, injection, or spray.
- For crusted surface lagoons, apply to liquid underneath crust.
- Use aeration to expedite digestion and liquefaction.

Dosage Guidelines

Lagoon Type	*Initial	*Monthly Maintenance
1	10-gal / 5-lb	5-gal / 2-lb
2	20-gal / 10-lb	10-gal / 4-lb
3	20-gal / 10lb	10-gal / 4-lb
4	40-gal / 20lb	20-gal / 8-lb

* Dosage ratios represent gallons of SEBS / pounds of activator.

Lagoon Type 1: ½ acre – 4ft deep – 650k gals

Lagoon Type 2: ½ acre – 8ft deep – 1.3M gals

Lagoon Type 3: 1 acre – 4ft deep – 1.3M gals

Lagoon Type 4: 1 acre – 8ft deep – 2.6M gals

Notes:

- Dosage may be adjusted based on sludge accumulation on the bottom of the lagoon.
- Every 1 acre-foot, add an additional 5-gal SEBS with 2.5-lb activator for initial treatment.
- Every 1 acre-foot, add an additional 2.5-gal SEBS with 1-lb activator for monthly maintenance.

Sizes: 1,gal, 5gal, 55gal, 275gal

Appearance: Amber or Light Brown

pH: 6.0-7.0

Storage: 40 - 110 F

Other: Non-hazardous, Ozone-safe, Non-flammable, Contains No VOC's