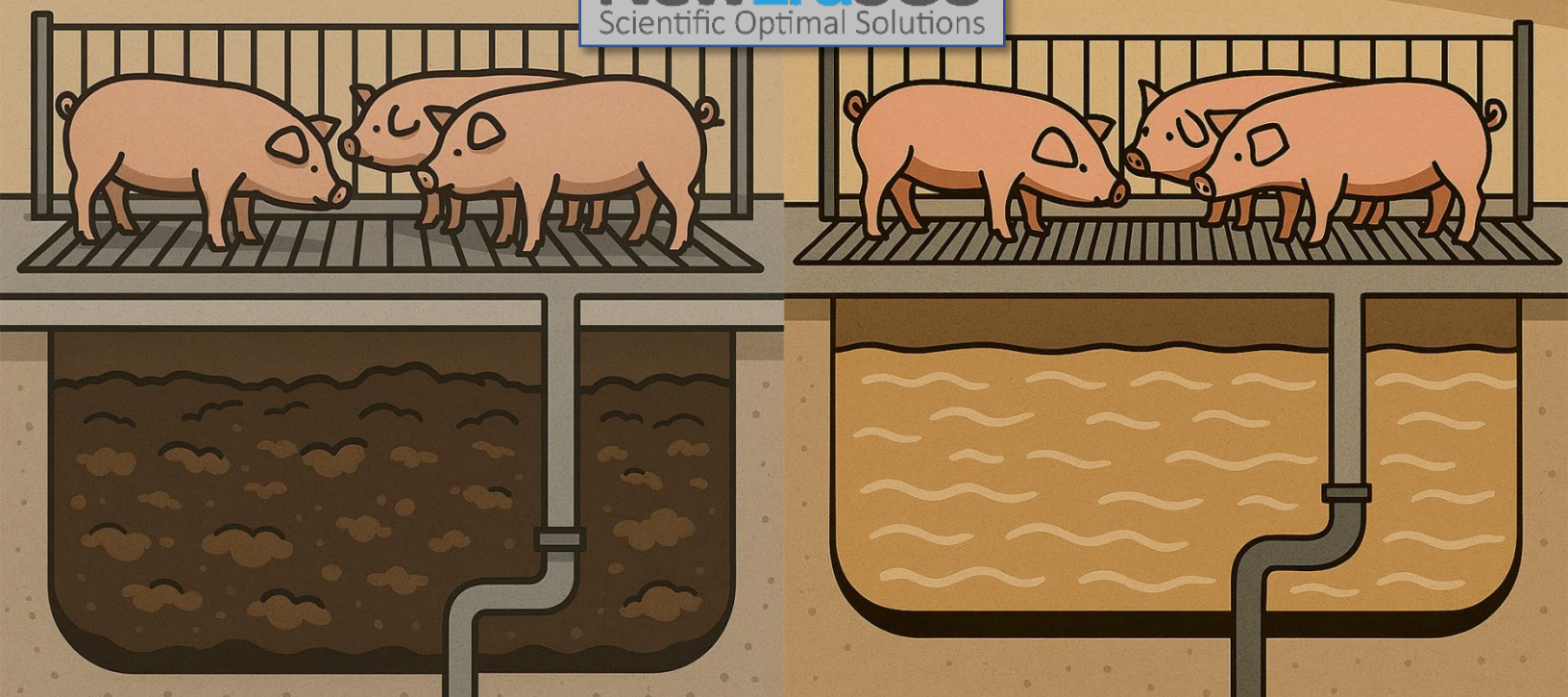


NewEraSOSTM
Scientific Optimal Solutions



BioCapTM Hog Pit EcoBlend

Breaks Down Solids and Digests Throughout While Reducing Odors

Product Information

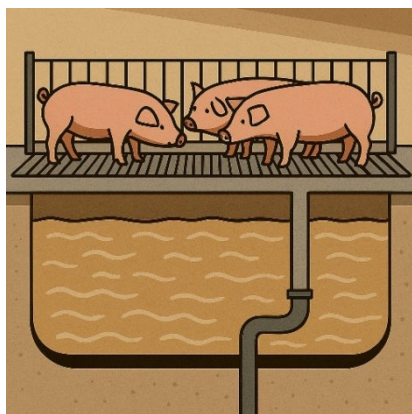
BioCap Hog Pit EcoBlend is a biologically engineered bacterial system formulated to reduce odors, solids, crusting, calcification, and gas emissions in discharge and closed-loop lagoon and swine pit systems. It effectively diminishes odors by up to 95% within one week of application, without depleting manure's fertilizer value or harming essential nutrients such as ammonia and nitrates.

Challenge

Heavy organic waste loadings in swine lagoons and pits lead to increased solids, malodor, crust formation, mineral calcification, and dangerous gases including methane and hydrogen sulfide. These conditions impair pump and line functionality through mineral deposits and negatively impact environmental and livestock health.

Solution

BioCap Hog Pit EcoBlend utilizes a stabilized, synergistic blend of *Bacillus* and *Pseudomonas* strains, selectively adapted for rapid degradation of waste compounds. The product enhances lagoon treatment by:



- Consuming Total Suspended Solids (TSS)
- Reducing sludge accumulation
- Liquefying solids and crusts
- Mitigating malodor and hydrogen sulfide gas
- Preventing uric salt deposits in pumps and lines
- Maintaining manure nutrient integrity

Benefits

- Odor reduction via aerobic digestion
- Reduction of lethal gases (methane, hydrogen sulfide)
- Decreased livestock mortality and veterinarian costs
- Liquefaction of bottom solids and crusting
- Reduced agitation during pit draw-down
- Decreased fats, oils, and grease (FOG)
- Uniform nutrient distribution throughout manure column
- Improved feed conversion rates and growth performance
- Enhanced neighbor relations
- Preservation of fertilizer value

Recommended Dosage & Application

Apply on a monthly schedule based on barn size and pig population:

Barn Size (Head)	Treatment Frequency	Product Quantity
~1,200	Once per month	1 x 5-gallon bucket
~2,400	Once per month	2 x 5-gallon buckets
~4,800	Once per month	4 x 5-gallon buckets

Note: A \pm spread of 200 animals is not recommended.

Use Instructions

1. Review label for storage, handling, and safety.
2. **BioCap™ Hog Pit EcoBlend** must be activated with **BioCap™ Hog Pit Activator**.
 - a. **BioCap™ Hog Pit EcoBlend:** Determine how many 5-gallon pails that will be used for your treatment based on the recommended dosage.

- b. **BioCap™ Hog Pit Activator:** One pound will be required for every 5-gallon bucket of **BioCap™ Hog Pit EcoBlend** used.

3. Shake **BioCap™ Hog Pit EcoBlend** well before activating.
4. Thoroughly mix **BioCap™ Hog Pit Activator** with **BioCap™ Hog Pit EcoBlend** to create an activated solution.
5. Let activated solution stand for 30 minutes before Step #6.
6. Even Distribution: Every 5-gallons of activated solution needs to be equally divided into four 5-gallon pails of water and mixed thoroughly.
7. Apply activated solution evenly across pump-outs.
8. When outside application is not feasible, apply along the barn center at evenly spaced locations.
9. Application Timing:
 - a. Best results are obtained within 30 days of pumping the pit.
 - b. Do not treat pits with more than 2.5 feet of manure without prior shock dosing.

Important Notes

- Ensure microbes contact the manure directly, especially beneath crusts.
- Maintain a consistent treatment schedule for optimal results.

Storage & Handling

- Store out of direct sunlight, at temperatures between 40°F and 120°F.
- Keep containers closed when not in use.
- Wear protective gloves and eye protection during handling.
- Avoid contact with skin, eyes, and open wounds.

Quick Specs

Size: 5-gal, 55-gal, 275-gal

Appearance: Amber or Light Brown

Scent: None

pH: 6-7

Solubility: 100% in water

Storage: Between 40° F and 110° F
Ozone safe, full VOC Compliance