

TECH SHEET | SOP PIG LAGOON

SOP™ Pig Lagoon is the only natural manure product proven to reduce operational swine production expenses and enhance animal resilience and efficiency by suppressing the release of ammonia and greenhouse gas (GHG) emissions. Developed with advanced SOP Inside technology, SOP Pig Lagoon metabolizes nutrients found in animal waste by activating bio-valorization, fluidifying waste solids and creating a bottom-line friendly byproduct. SOP Pig Lagoon is composed of natural minerals approved for organic farming use and does not contain enzymes, chemicals or proprietary microbes. Treated manure is safe for application on all crops.

Immediate Operational Benefits and Savings:

- Reduces the need for synthetic fertilizers.
- Encourages improved soil health and plant nutrient uptake.
- Minimizes the need for costly pest management solutions.
- Lessens the frequency of liquid manure agitation and related fuel and equipment expenses by fluidifying lagoon waste, preventing crust formation and allowing for easier field application.



Swine Health and Environmental Protection:

- Dramatically decreases the production of GHG and ammonia emissions, improving facility air cleanliness, animal productivity and pork quality.
- Virtually eliminates animal waste odors.

Activation Dosage	Regular Product Dosage	
To activate stored manure. Treatment is in addition to regular product treatment dosage for the first four weeks of product use.	To activate fresh manure weekly.	
	<i>Finishing, Nursery and Replacement Barns</i>	<i>Farrowing Barns With Sows and Piglets</i>
1 lb./30,000 gal. (4 g./m ³) for four weeks	0.020 oz. (0.5 g./)head/week	0.035 oz. (1 g./)sow/week
Estimated Activation Application: Four Weeks	Estimated Dosage Application: Six Months	Estimated Dosage Application: Six Months
125,000 gal (473 m ³) = ~4 boxes 250,000 gal (950 m ³) = ~8 boxes 500,000 gal (1,900 m ³) = ~15 boxes 1,000,000 gal (3,785 m ³) = ~30 boxes	500 head = ~4 boxes 1,000 head = ~7 boxes 2,500 head = ~17 boxes 5,000 head = ~33 boxes	250 sows = ~4 boxes 500 sows = ~7 boxes 1,000 sows = ~13 boxes 2,500 sows = ~33 boxes

Application Directions: For best results, mix SOP Pig Lagoon with water and pour directly over the slats, in the receiving pit or in the main storage lagoon. If not currently using SOP Pig Lagoon, an activation phase is necessary. Alternative application options are available.

Product Storage: Store in a dry place at temperatures not exceeding 95°F. Product is moisture sensitive and should be kept in a well-ventilated area. Avoid direct contact with water prior to intended activation. Keep away from open flames.



Contact Low Carbon Technologies to order SOP Pig Lagoon at ijohnson@selectsires.com or (937) 707-7659.

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