

# TECH SHEET | SOP LAGOON

SOP™ Lagoon is the only natural manure product proven to reduce operational dairy expenses while simultaneously suppressing the release of ammonia and greenhouse gas (GHG) emissions. Developed with advanced SOP Inside technology, SOP Lagoon metabolizes nutrients found in animal waste by activating bio-valorization, fluidifying waste solids and creating a bottom-line friendly byproduct. SOP 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.

**Annual Net Savings: \$10-12/Head\***

### 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.



### Environmental Protection and Social Responsibility:

- Dramatically decreases the production of GHG and ammonia emissions.
- 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.
1 lb./30,000 gal. (4 g./m <sup>3</sup> ) for four weeks	0.07 oz. (2 g.)/head/week
Estimated Activation Application: Four Weeks	Estimated Dosage Application: Six Months
125,000 gal (473 m <sup>3</sup> ) = ~4 boxes 250,000 gal (950 m <sup>3</sup> ) = ~8 boxes 500,000 gal (1,900 m <sup>3</sup> ) = ~15 boxes 1,000,000 gal (3,785 m <sup>3</sup> ) = ~30 boxes 2,500,000 gal (9,460 m <sup>3</sup> ) = ~75 boxes	250 head = ~7 boxes 500 head = ~13 boxes 1,000 head = ~26 boxes 2,500 head = ~64 boxes 5,000 head = ~128 boxes

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

**Dosage:** 0.07 oz. (2 g.) per week for each animal supplying manure to the pit, lagoon or other waste storage system.

**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.



**SOP Lagoon is available exclusively through Select Sires. Contact your local Select Sires representative to order.**

\*Annual savings values are projected based on SOP's observations of actual farmer use of SOP Inside products at recent commodity prices but are not a guarantee in all production systems. Individual results may vary. SOP Lagoon is distributed by Select Sires Inc. through the wholly-owned sustainability company, Low Carbon Technologies, LLC. Buyer assumes all responsibility for use, storage and handling of SOP Lagoon. Low Carbon Technologies, LLC makes no claims or warranties, expressed or implied. Resonant is developing a new protocol to maximize the credit value generated and attributable to the application of SOP Lagoon in a program. Customers will receive majority of the net economic benefits from such credits once issued. ©The Select Sires logo is a registered trademark of Select Sires Inc., Plain City, OH. The SOP logo is a registered trademark of SOP S.r.l. Società Benefit. The Resonant logo is a registered trademark of SOP GROUP S.r.l.™The Low Carbon Technologies logo is a trademark of Low Carbon Technologies, LLC, Plain City, OH. SOP is a trademark of SOP S.r.l. Società Benefit.