

Manure Treatment

ORGANIC

MICROBE-LIFT®

Backed by over 31 years experience in agriculture fermentation technology, MICROBE-LIFT Bio-Formulations are your answer to tough manure management problems. Only MICROBE-LIFT contains Purple Sulfur, Non-Sulfur and Green Sulfur Microorganisms widely desired for manure processes. This novel technology provides enhanced anaerobic function critical to manure storage related issues and problems. MICROBE-LIFT/HOG and MICROBE-LIFT/DFP (dairy) are designed specifically to resolve problems such as; surface crusting, bottom solids and sludge and inconsistent manure. These liquid bio-formulations offer manure storage solution and performance second to none.



Waste Handling

Manure enhancement benefits for Hogs Include:

- Significantly reduce surface & bottom solids
- Provides a consistent manure slurry from first load to last
- Enhances manure fertilizer value by biological cellular nutrient storage
- Significantly reduces manure mixing at time of draw down
- Reduces barn odor, and odor on land applications
- Reduces Hydrogen Sulfide emissions
- Reduces pests via odor suppression

In addition to the above benefits, MICROBE-LIFT/HOG will:

- Enhance manure value on application
- Stimulates root growth
- Fixes nitrogen
- Improves crop yield
- Controls nutrient run off

These benefits combined with sludge reduction and reduced mixing more than justify this products use. MICROBE-LIFT/HOG contains well documented PURPLE-SULFUR microorganism supplied only by Ecological Laboratories Inc.

Approved for Organic Use In PA & NY

Microbe-Lift Hog-Sow Farm Pull Plug Barns

Large Pits = 7,000 - 20,000 gallons
Small Pits = 6,000 gallons or less

Application:

- 1st Application at start of treatment
- Large pits = 1 gallon
 - Small pits = 1/2 gallon.

After first application, wait one week, the second week treatment rate is 50% of the first application volume

- Large pit = 1/2 gallon
- Small pit = 1/4 gallon

Maintenance: After the first 2 weeks of treatment at the higher rate of use

- Large pits = 1 quart/weekly
- Small pits = 1 pint/weekly

The application of Microbe-Lift/Hog is to follow pit volume reduction via pull plug waste removal. Apply at the head of the pit away from the plug discharge area. For optimum treatment results, dilute using 4 to 5 parts tap water to 1 part Microbe-Lift, then apply to pits.

Holding Pits (Not Pull Plug) - Dairy & Swine

Size of Pit (gallons)	1 st Application	Next 4 Weeks Once / Week	Maintenance Once / Month
5,001 - 10,000	3 Gallons	1 Quart	1 Quart
10,001 - 50,000	4 Gallons	2 Quarts	2 Quarts
50,001 - 100,000	5 Gallons	3 Quarts	3 Quarts
100,001 - 300,000	6 Gallons	1 Gallon	1 Gallon
300,001 - 500,000	7 Gallons	1.5 Gallons	1.5 Gallons
500,001 - 1,000,000	10 Gallons	2 Gallons	2 Gallons
1,000,001 - 1,500,000	15 Gallons	3 Gallons	3 Gallons

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Microbe Lift Poultry -

- Utilizes Biotechnology to maintain a cleaner, healthier environment for poultry houses & yards.
- Acts to reduce the generation of ammonia from poultry litter improving bird health and reducing costs.
- Incorporates the action of stable, highly active microbial cultures specifically selected and adapted for rapid uptake of ammonia ions with non-toxic ingredients that capture typical poultry odors, such as ammonia, amines, hydrogen sulfide, & mercaptans.
- Unique biological metabolic enhancer and nutrients are added to increase the rate of activity for both naturally occurring and selectively adapted microbes to biologically degrade the manure
- Represents a unique, and very effective technology for reduction of ammonia in poultry containment areas.

Manure enhancement benefits for Poultry include:

- Reduces ammonia concentration & associated toxicity by reducing gas generation from manure in litter
- Improves health & increased production
- Utility cost savings
- Reduces odors
- Accelerates degradation of litter wastes
- Increases the nutrient value of the litter for composting
- Effective on all poultry waste

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Manure enhancement benefits for Dairy Include:

- Surface crust and bottom solids reduction/removal
- Significant reduction or elimination of mixing at time of draw down
- Odor reduction in pit/tank/lagoon storage systems & on land application
- Consistent manure from the first load to the last
- Improves manure application



Item No.	Description	Price	Price 18+
99050200	Microbe Lift - Hog - 1 Gallon	\$30.00	\$27.00
99050201	Microbe Lift - Dairy - 1 Gallon	\$30.00	\$27.00
99050202	Microbe Lift - Poultry 1 Gallon	\$30.00	\$27.00

For quantity pricing over 18 gallons, must be purchased in case lots - 6 gallons per case



Waste Handling

Sludge-Away ORGANIC

MICROBE-LIFT®



SPEEDS UP THE REMOVAL OF SURFACE SOLIDS AND BOTTOM SLUDGE NATURALLY. Specially formulated for manure pits over slatted floors, outdoor manure lagoons and vertical holding tanks.

MICROBE-LIFT/SA (Sludge-Away) is formulated specifically for the removal of organic bottom or surface solids that are slow to degrade. Provides rapid, natural sludge and muck removal and works 80% faster than competitive products.

Binds phosphate and helps with the liquification and nutrient enhancement of manure.

Organic and microbial based. MICROBE-LIFT/SA is designed to be used with MICROBE-LIFT/Hog and MICROBE-LIFT/DFP (Dairy) to handle the most difficult manure management issues.

SHAKE WELL BEFORE USING

- On smaller pits more MICROBE-LIFT/SA has to be used proportionally compared with dosage rates for larger pits.
- MICROBE-LIFT/SA Used Rates in Conjunction with MICROBE-LIFT/Hog or MICROBE-LIFT/DFP (Dairy)
- MICROBE-LIFT/SA is to be used as a supplement to MICROBE-LIFT/ Hog and MICROBE-LIFT/DFP (Dairy) and the foregoing is the ration percentage to be used.
- Manure Condition: Usage Rates as % of MICROBE-LIFT/Hog or MICROBE-LIFT/DFP (Dairy)

Major solids/sludge	50%
Moderate solids/sludge	25%
Light solids/sludge	10%

Basic Application Rates

Size of Pit/Lagoon (in Gals)	1st App. (Purge)	Next 4 Wks. (Once per Wk.)	Maintenance (Once per Month)
5,001-10,000	3 gal.	1 qt.	1 qt.
10,001-50,000	4 gal.	2 qt.	2 qt.
50,001-100,000	5 gal.	3 qt.	3 qt.
100,001-300,000	6 gal.	1.0 gal.	1.0 gal.
300,001-500,000	7 gal.	1.5 gal.	1.5 gal.
500,001 -1,000,000	10 gal.	2.0 gal.	2.0 gal.
1,000,001-1,500,000	3.0 gal.	3.0 gal.	3.0 gal.



Item No.	Description	Price	Qty 18+
99050739	1 Gallon - Sludge Away	\$30.00	\$27.00 ea.

Waste Handling

Gutter Chain & Paddles



J&D Manufacturing offers a variety of alley scraper systems and chain drive systems to boost the health of your herd while saving you time. The J&D Manufacturing cable alley scraper system automatically cleans long run and split run alleys. With a wide variety of blade widths and features, you can design a system to retrofit an existing facility or plan a new one.



Scrapers

- Livestock hoes will has a 60° angled, poly or stainless steel blade
- Utility Scraper/Chisel features a 7" stainless steel blade
- 1/4" thick poly blade for extra strength and longer life
- Poly blade reduces weight and offers a non-stick surface



Item No.	Description	Price
99990170	24" S.S. Super Scraper - Curved	\$35.57
99990172	24" Poly Super Scraper - Curved	\$32.71
99990175	S.S. Utility Scraper	\$23.57
99990728	24" Poly Super Scrape-D-handle	\$30.00
99990729	30" Poly Super Scraper -D-handle	\$33.00

Manure Scraper Systems



Item No.	Description
*99990202	M#602 3-Groove Cable Drums & 3/4 HP Motor
*99990203	M#605 5 Groove Cable Drums & 1 1/2" HP Motor
*99990201	M#68 96" S.S. Hog House Scraper

Signs



Item No.	Description	Price
99050018	Biosecurity Sign - 17 1/2" x 17 1/2"	\$24.95
99050002	Manure Gas Sign - 9 1/2"W x 14"L	\$7.00

Pull Plugs



Item No.	Description	Price
15040001	6" Pull Plug w/Overflow	\$18.82
15040012	6" Pull Plug for 24" Pits	\$18.64
15040013	6" Pot Only	\$6.13
15040014	8" Pot Only	\$10.48

Poultry Guard

Application
Evenly distribute Poultry Litter Amendment at 50 - 100 lbs. of product per 1,000 square feet of treated area. Usage rate depends on ammonia challenge



- Eliminate the Ammonia Purge In the off Chamber
- Reduce The Stress During This Critical Period
- Decrease Late Respiratory Problems & Vaccin Reactions
- Improve Overall Bird Performance & Feed Conversion
- Raise Paw Quality By Lowering Burns

Item No.	Description	Price	40+
99050213	Poultry Guard 50 lbs.	\$19.49	\$17.99

Poultry Litter Treatment

PLT is the only product proven by independent research to eliminate and significantly lower litter pH safely to cut production costs, increase revenues, and be an integral part of disease prevention and on-farm HACCP based food safety Pathogen reduction programs.



Application Rates:

- Broiler litter: 3 flocks or less - 50 lbs/1,000 sq. ft.
- Broiler litter: 4 flocks or more - 74 lbs/1,000 sq. ft.
- Turkey brood rings - 50 lbs/1,000 sq. ft.
- Turkey growout barns - 75 lbs./1,000 sq. ft.

Item No.	Description	Price	40+
99050195	PLT 50 lb. Bag	\$14.84 Ea.	\$14.29 Ea.

(40 bags on 1 pallet)

* Available in 2000 lb. Pack

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