

# NutriPhi

NutriPhi is designed for beef, dairy, and hog operations to help manage biosolids, reduce run-off, and diminish harmful odors in barns, houses, and lagoons. In row crops, NutriPhi is used to promote efficient breakdown of crop residue.

## MANURE MANAGEMENT CROP RESIDUE BREAKDOWN

### KEY BENEFITS

- Enhances nutrient value of manure
- Digestion of sludge & crust
- Improved air quality of confinement buildings
- Reduces agitation time & cost
- Accelerates digestion of plant residue in field
- Improves in-field nutrient-cycling process

### PACKAGING

- 2x2.5 gal
- 275 gal tote

### APPLICATION

#### Swine Manure

- 2.5 Gallons per 2,400 head hog building monthly
- Apply each month that you have missed since pump-out as a shock treatment
- Apply product directly to sections of the hog barn that have the highest solids accumulation
- Begin program with a minimum of 3 months remaining until pump-out

#### Crop Residue

- 1-2 quarts per acre applied directly to residue with a minimum of 15 gallons of water per acre for coverage
- Apply as soon after harvest as possible
- Can also be applied during spring burn-down programs

### IMPACT ON THE PLANT

- NutriPhi contains specialized carbon digesting bacteria designed to dissolve as well as suspend solid manure and spreads nutrient accumulations evenly throughout the pit or lagoon
- Nitrogen fixing bacteria contained within NutriPhi have the ability to convert a portion of this nitrogen to a more stabilized form resulting in less off gassing and higher nitrogen levels in the manure
- NutriPhi bacteria digest down the crust, resulting in a lack of surface area for flies to lay larvae

#### DAIRY & BEEF

Size of Herd	Application/ Month	Total Gal/Year
100	2.5 gal	30 gal
500	12.5 gal	150 gal
1,000	25 gal	300 gal

#### Beef & Dairy Manure

- See chart for application rates
- Apply concentrate product during months when the lagoon is not frozen
- If the lagoon freezes and applications are missed during the winter months, apply the missed amount of product in spring as a shock treatment
- Begin program with a minimum of 3 months remaining until pump-out
- Do not apply in dairy washout systems that contain concentrated amounts of anti-bacterial



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