

To Treat Poultry Hog & Livestock Enclosures Apply as Follows: (STIR WELL BEFORE USING)

Initial Treatment - Dilute 1 liter of **DINODORNOX LIQUID™** with at least 500 liters of de-chlorinated water. Spray on floors, poultry litter and walls to cover an area of 1000m². Apply twice weekly for the first two weeks.

Maintenance Treatment - Dilute 1 liter of **DINODORNOX LIQUID™** with at least 500 liters of water. Spray on floors & walls to cover an area of 2000m². Apply twice per week.

Caged Layer Farms - Dilute **DINODORNOX LIQUID™** with water and spray on cage bottoms every 3 days or once a week using the following dilution table.

DINODORNOX LIQUID™		DINODORNOX LIQUID™	
	Quantity of Water		Quantity of Water
Weekly	Every 3 Days	Weekly	Every 3 days
10 ml	5 ml	100 ml	100 ml
100 ml	50 ml	1000 ml	1000 ml
1000 ml	500 ml	10,000ml	10,000ml

DINODORNOX	Area Covered
100 ml	20 m2
1000 ml	200 m2
10,000 ml	2000 m2

Ammonia (NH4) Emissions Test Results

Starting 10-days after hatching 3 houses were treated with Dinodornox Liquid, 2 were not. Ammonia, (NH4) measurements were taken at 20, 35-days and in the empty houses.

Test Interval	DINODORNOX TREATED (%)	Houses W/O Dinodornox (%)
Reduction (ppm)		
20-Days	5.00	2.00
35-Days	30.00	10.00
Empty	30.00	17.00
Average	21.67	9.67

DINODORNOX LIQUID™ May be applied to lagoons used to raise fish and shrimp. It will reduce the levels of ammonia and nitrite in the water as well as the organic sludge build-up resulting from over-feeding and fish and shrimp waste. Regular applications of **DINODORNOX LIQUID™** during the growing cycle will allow the lagoon to support larger, more robust and healthier populations of fish and shrimp.

WATER QUALITY PARAMETERS

Start at 20% water turnover rate and monitor. Maintain oxygen levels at 5 ppm minimum. Effective pond pH range is 5.5-7.5.

GMP

DINODORNOX LIQUID is produced by procedures that adhere to Good Manufacturing Practices, (GMP). All formulations are made by following strict Standard Operating Procedures (SOP), including complete Quality Control (QC) testing of raw ingredients, the finished product, and sample retention.

DINODORNOX LIQUID is a 100 % natural biological Control of Sludge and Odors associated With Livestock Waste Treatment.

DIRECTIONS FOR USE DINODORNOX LIQUID. STIR WELL BEFORE USING

Ammonia (NH4) Emissions Test Results

Starting 10-days after hatching 3 houses were treated with Dinodornox Liquid, 2 were not. Ammonia, (NH4) measurements were taken at 20, 35-days and in the empty houses.

PACKAGING

- 20 liter Plastic Pail
- 210 liter Plastic Drum

STORAGE DIRECTIONS

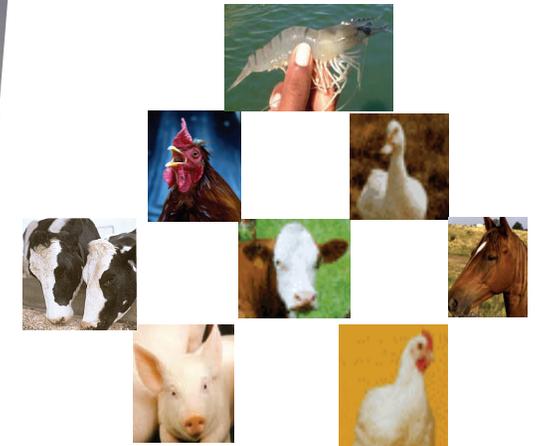
Store in a cool dry environment. Do not allow to freeze. Keep away from direct exposure to sunlight.

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Authorized Distributor



Dinodornox



**100% Natural Bio-systems
 Odor Control Technology for
 Modern Live Stock Producers**

MADE IN USA

*“A Dynamic Approach to Nutri-Agri Product
 Research and Technology Development”*

What is Dinodornox?



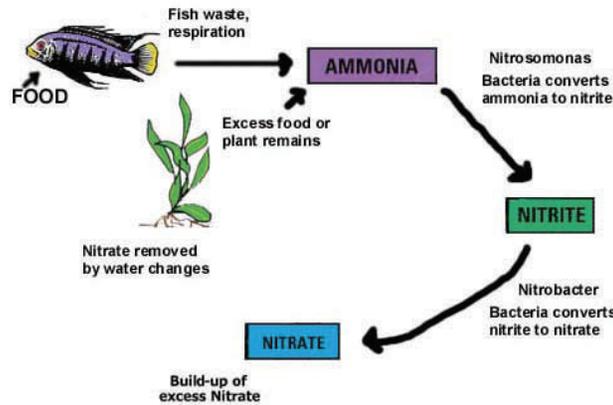
WHAT IS DINODORNOX LIQUID?

A mixture of specially select microbial strains, **DINODORNOX LIQUID™** is a combination of naturally occurring micro-organisms that will not harm humans,

livestock or the surrounding ecosystems. Regular application of **DI-NODORNOX LIQUID™** to the troughs below animal pens reduces sludge accumulation, preventing channel blocking and reducing the quantity of water used to flush the wastes to the collection ponds. Periodically adding **DINODORNOX LIQUID™** to the collection ponds completely breaks the sludge in them to liquids, making them easier to pump-out. Spraying **DINODORNOX LIQUID™** on top of the litter on poultry houses over ammonia levels in a significant manner and therefore improve health due to decreased respiratory related problems.



How does it work?



THE NITROGEN CYCLE

DINODORNOX CONTROLS BIOLOGICAL SLUDGE AND ODOR ASSOCIATED WITH LIVESTOCK PRODUCTION.

DINODORNOX LIQUID™ is a 100% natural alternative to chemical degradation of organic matter.

WHAT IT DOES

- ◆ **DINODORNOX LIQUID™** Metabolizes the ammonia present in the waste on contact, eliminating the odors from the pens, channels and ponds.
- ◆ **DINATEC, Inc.** has created **DINODORNOX LIQUID™** to solve these problems. Improve bio-filter performance.
- ◆ **DINODORNOX LIQUID™** is environmentally friendly and since it eliminates ammonia and liquefies sludge, accidental releases from collection ponds will not harm surrounding surface water. Liquid from the collection ponds can be sprayed on soils, enriching them similar to an application of compost.



DINODORNOX is more effective and environmentally friendly.

To improve the effectiveness of your biological treatment, steps are taken to enhance and improve the performance of various microbial constituents in our formula. Bacteria are isolated from soils and water, then elevated in the laboratory to identify respective abilities to degrade specific chemical structures. The cultures are tested for their response to environmental variables and further analyzed to select the genetically superior examples of each desirable strain. Once differentiated, the microbes reproduce, and are combined into formulations which will further maximize the efficiency of the biological treatment.

Our products are typically made of a number of species which have been specifically cultured. These organisms work together, each strain possessing the enzyme system necessary to degrade certain components of a targeted waste, yielding intermediate breakdown products that can be further degraded by other species formulated in the blend. These organisms can also out compete pathogenic bacteria.

USE IN LAGOONS

Initial Treatment

Normal ponds use a 1:30,000 dilution ratio. (33.3 PPM) Heavily contaminated ponds use a 1:20,000 ratio (50 PPM) Stir prior to use. Initial treatment, spray evenly over the entire water surface. Maintenance treatments can be poured into the inflow line to the lagoon or metered in using a pump. Optimum treatment conditions are water pH of 6 to 9, water temperature above 50o F, and a Total Dissolved Oxygen concentration greater than 4 ppm. Aeration of the lagoon will increase the effectiveness of the treatment but is not mandatory.

