



Epicore BioNetworks Inc.

# EPIZYM<sup>®</sup> <sup>HD</sup> -AW

## ANIMAL WASTE BIOLOGIC DIGESTER

### PRODUCT DESCRIPTION

**EPIZYM AW** – is a microbial and balanced enzyme ecosystem specifically designed to degrade animal waste (biologic loads in state of decomposition).

The microbial ecosystem and the enzymatic complex in **EPIZYM-AW** degrades and metabolizes animal waste, transforming animal waste into a great nutritional value fertilizer for agricultural crops.

### BENEFITS OF USE

#### IMPROVES BREEDING ENVIRONMENT.

- The enzymatic-microbial complex in **EPIZYM-AW**, uses animal excreta in its metabolism and by degrading the manure, the main infectious diseases and pathogen organisms at barn decrease.
- Reduce the presence of toxic gases that are harmful contaminants for animal health and the environment (ammonia, methane, among others).

#### INCREASES THE PRODUCTIVITY AND PROFITABILITY AT FARM.

- By improving the environment of the breeding animal it increases the metabolic efficiency, improving the zoo technical – productive parameters, among them the reduction of mortality, decrease of the feed conversion factor, among others.
- Increase profitability of the productive cycle, turning the breeding process more efficient, in other words, with less resources produces more animal biomass.
- By improving environmental conditions and crust formation at bed, reduces animal stress and the consumption of drugs and chemicals to the animal's environment.
- Decreases the need of bed change cycle after cycle, reducing materials costs and labor.
- Reduces laceration in breast and legs, which are entryways of pathogens. And also diminish economic sanctions imposed by slaughterhouses.
- Minimizes complaints, discomfort and sanctions imposed by entities of control or surrounding communities due to the presence of odors, toxic gases (ammonia) or plagues.
- Generates environmental responsibility.
- Facilitates handling.

### MODE OF ACTION

The microbial ecosystem in EPIZYM-AW has been designed exclusively to digest animal excreta, while the enzymatic complex potentiates the metabolism of the facultative microorganism, turning EPIZYM-AW selective (the product acts only over animal waste, without harming when sprayed over the animal or balanced feed).

By treating the animal waste with EPIZYM-AW an organic fertilizer of good quality is obtained as a final result, which is easily available and assimilable to any kind of vegetable culture.

### INGREDIENTS

Enzymes and microbial ecosystem with stabilizing agents.

### PRODUCT INFORMATION

Form	Granular
Color	no uniform brown
Bulk Density	Approximately 0.5 gm/ml (31 lbs/cubic feet)
Total Aerobic Count	1.0 E + 09 cfu/gm minimum



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### IMPORTANT NOTICE TO PURCHASER

"Epicore BioNetworks, Inc. ("Epicore") warrants that the product conforms to its compositional description and is reasonably fit for the purpose stated on the label when used in accordance with the label instructions under normal conditions of use. There are no other express or implied warranties, whether as to merchantability, fitness for any use, or otherwise, given in respect of the product. Neither Epicore nor its agents shall be liable for any damage, loss, or injury, whether the same arises directly or consequentially, by reason of any matter whatsoever relating to the use of the product, and any buyer's or user's exclusive remedy in any instance shall be limited to a refund of the purchase price paid."  
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# GLOBALG.A.P.

## USAGE SUGGESTIONS:

### POULTRY FARMS

Determine volume of product and application frequency according to the parameters and conditions of each farm and area.

### PARAMETERS

PARAMETERS		
FINAL DENSITY (bird per m <sup>2</sup> of barn)	≤ 12	> 12
HUMIDITY	≤ 85 %	≥ 85 %
VENTILATION	APPROPRIATE	LIMITED
VOLUME O WATER (liter per 100 m <sup>2</sup> )	3 – 4	2 – 3
MOLASSES (liter per 100 m <sup>2</sup> )	0,09 – 0,12	0,06 – 0,09
WEEKLY FREQUENCY	2	1

### EPIZYM-AW DOSAGE (grams per application)

STAGE	SYSTEM TYPE	
	EXTENSIVE	INTENSIVE
WEEK 1 (0-7 days)	--	--
WEEK 2 (8-14 days)	0,10 – 0,20 gr/m <sup>2</sup> *	0,40 – 0,80 gr/m <sup>2</sup>
WEEK 3 (15-21 days)	0,15 – 0,30 gr/m <sup>2</sup> *	0,50 – 1,0 gr/m <sup>2</sup>
WEEK 4 (22-28 days)	0,20 – 0,40 gr/m <sup>2</sup> *	0,80 – 1,60 gr/m <sup>2</sup>
WEEK 5 (29-35 days)	0,25 – 0,50 gr/m <sup>2</sup> *	1,0 – 2,0 gr/m <sup>2</sup>
WEEK 6 (36-42 days)	0,30 – 0,60 gr/m <sup>2</sup> *	1,30 – 2,60 gr/m <sup>2</sup>
END OF RUN DOSAGE	2 – 4 gr/m <sup>2</sup>	4– 8 gr/m <sup>2</sup>

\* Dosage of EPIZYM-AW for each application. Apply twice a week.

EMERGING APPLICATION Ammonia concentrations above 30 ppm	0,50 -1 gr/m <sup>2</sup>	2 - 4 gr/m <sup>2</sup>
BED REUSE Application prior to poultry entry	0,25 – 0,5 gr/m <sup>2</sup>	0,50 – 1 gr/m <sup>2</sup>

Results obtained in Poultry Farms in Ecuador,  
Under specific conditions of each area.

### ANIMAL WASTE TREATMENT (tanks, pools)

FRECUENCY	1–2 weekly application.
DOSAGE	10 to 30 gr. of EPIZYM-AW per each m <sup>3</sup> of animal waste.
APPLICATION	10 liters of water per each m <sup>3</sup> of waste.

### PREPARATION PROTOCOL

In the required amount of WATER, mix the required amount of MOLASSES, then add EPIZYM-AW and homogenize the solution. Leave the covered container to stand for 24 hours. Filter or sift the solution and apply on the bed or floor with backpack sprayer.

### SUGGESTIONS

Rake the bed or floor once a week to improve the incorporation of the product in the treatment area.  
Parallel to this it is suggested to administer EPICIN-DFM to the animals in order to potentiate the response of thier health and improve production of desired results.

### PRODUCT STORAGE

Store in a dry environment; with temperatures below 40 ° C, in ventilated areas, protected from sunlight.  
Do not mix with other products not recommended for Epicore especially

### SHELF LIFE

Three years if stored as recomended.

### PACKAGING

Supplied in 6 1-kg.plastic bins boxes (0.5 US gallons)

biocides and harmful chemicals.

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### PACKAGING

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