

## DINAPLASMA TRIAL RESULTS



### PRODUCT SPECIFICATIONS

Color	Light grey
Characteristics	Free flowing powder
Bagging	Multi-walled poly-lined paper bags
Storage	Cool dry location. Keep away from direct exposure to sunlight.

### USE DIRECTIONS

Add at 0.5%, 5 kg per metric ton, to gestation and lactation diets for sows.

For piglet feeds add at the rate of 0.5 to 6% of diet or 500 grams to 6 kg per metric ton as follows:

Phase 1 (~1 kg feed/pig) .

6.0% **Dinaplasma** through 28 days of age

Phase 2 (~4 kg feed/pig) .

5.5% **Dinaplasma** from 28-42 days of age



### GUARANTEED ANALYSIS

Crude Protein min.	78.00%
Ash max.	10.00%
Crude Fat min.	0.30%
Threonine	4.80%
Crude Fiber max.	0.50%
Lysinme	6.80%
ME* (Swine)	3906 Kcal/kg
ME+ (Poultry)	3831 Kcal/kg

### INGREDIENTS

Wheat Gluten, Spray Dried Whole Blood (with Plasma), Spray Dried Whole Egg, Fish Hydrolysate

### FEATURES & BENEFITS

- Highly digestible blend of animal & vegetable protein
- High concentrations of amino acids, protein, and energy
- Palatable source of protein
- Used in swine starter feeds at the rate of 5 to 10.0% of the ration
- University data to support the use of the protein sources in young pig rations



**DINATEC**

*Quality You Can Trust*

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# DINAPLASMA



### BENEFITS

1. Added Growth Performance

DINAPLASMA will improve the nutritional homogeneity in animal feeds

2. Pigs Readily Consume Diets Containing **DINAPLASMA**

3. Increased Formulation Flexibility

4. Low Dust and High Flowability

5. Improved Feed conversion

6. Alternative Ingredient for Formulation

**A highly digestible liquid energy source blended with aromatic flavor enhancers and feed stabilizers**

# Benefits of DinaPlasma

## BENEFITS of DINAPLASMA:

**DINAPLASMA** consistently improves feed efficiencies  
 Improves feed consumption in all swine  
 Improves feed texture  
 Aids feed freshness

**DINAPLASMA** improves your bottom line  
 Improves sow efficiency in lactation and reproduction  
 Improves birth and weaning weights  
 Improves nutrient stability and absorption

**Dust Control** **DINAPLASMA** reduces the airborne dust that increase the occurrence of swine respiratory stress. Less stress means less respiratory disease. Less dust creates a healthier work environment for employees and producers.

**DINAPLASMA**  
 Stimulates appetite in swine of all sizes:  
 Fed sows milk heavier and rebreed sooner  
 Enhances pig performance in the nursery  
 Helps keep grower/finisher hogs on feed

### FEATURES

#### 1. High Quality Protein Source

- Consistent, Uniform Nutrient Composition
- 9.3 % Lysine (Typical Analysis)
- Homogeneous Amino Acid Profile and content

#### 2. Palatable

#### 3. High Protein Content ( 92% Crude Protein Minimum )

#### 4. Granulated Form

#### 5. Highly Digestible & Highly Soluble

#### 6. Equal or Better Nutritional value Compared to High-Quality Fishmeal

## Why use DinaPlasma

**Summer conditions depress calorie and feed intake. Avoid problems, stimulate appetites, and maintain productivity by adding DINAPLASMA.**

Addition of fat to starter rations has been shown to enhance performance of weaned pigs. Research conducted at Kansas State University has demonstrated that the magnitude of the fat response is related to the source of fat and specific blends of fat. Thaler et al. (1988) compared the growth and feed efficiency of pigs (age=21 days) fed rations containing no added fat (control) to the performance of pigs fed rations containing either soybean oil, coconut oil, choice white grease, 2 soybean oil: 2 coconut oil or 2 choice white grease: 2 coconut oil. Fat supplementation improved the performance of pigs during the combined five week trials as compared to controls. Pigs fed rations containing 2 soybean oil: 2 coconut oil consumed more feed than pigs fed either coconut oil or choice white grease diets and gained faster than pigs fed rations containing coconut oil and the daily feed intake was elevated.

Liquid **DINAPLASMA** is unique in that it:  
 Helps control hog house odor  
 Provides easy wintertime handling

**DINAPLASMA** acid levels help keep the freshly ground grain in fresh condition and animal appetite stimulated

#### **Easy year-round handling**

#### **Requires no extra heat**

Does not solidify in cold weather like animal fats or blends.

**DINAPLASMA** is an optimized combination of a medium-short chain fatty acid (lard and coconut) and long chain fatty acid product (vegetable)

## Mode of Action

Five week trials in 2 phases (1st 2 weeks and following 3 weeks after weaning), utilizing a total of 324 weaning pigs (21 + 3 day) were conducted to determine the effects of different fat sources and combinations on starter pig performance.

IMPROVES STARTER PIG PERFORMANCE			
	Control	Soy oil 3%	DINA-PLASMA 3 %
<b>Starting weight</b>	18.68	19.80	19.10
<b>44 day ending weight</b>	62.42	65.42	70.00
<b>Gain/per pig</b>	43.74	45.60	50.90
<b>ADG</b>	0.99	1.04	1.16
<b>Feed efficiency</b>	1.99	1.91	1.87
<b>Extra energy cost</b>	NONE	0.94	1.43
<b>Feed Saved</b>		3.52 lbs.	5.28 lbs.
<b>Extra pig weight</b>		+3 lbs.	+7 lbs.