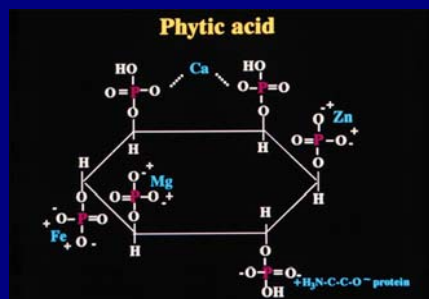


ECONOMIC BENEFITS

Better nutrient absorption.
 Increases daily weight gain by 2-4 %
 Increases egg production
 Cleaner eggs and better egg yolk color
 Research shows 3-5% lower feed conversion
 More uniform weights
 Affords possibilities for lower cost raw materials while maintaining or improving performance levels
 Lower incidence of digestive problems caused by unassimilated fiber which also improves litter quality
 Reduces fecal volume and nitrogen excretion level
 Improves lean to fat tissue ratio
 Phytase can liberate phytate bound P in the animals digestive tract.
 Coated phytase may reduce the need for inorganic P supplementation and reduce P excretion in the manure.
 A feed grade phytase was approved for use in the U.S. in 1996.

GUARANTEED ANALYSIS

ENZYME TYPE	IU/g
Amylase ECC IUB # 3.2.1.1	1600
Protease ECC IUB # 3.4.24.28	16000
Xylanase ECC IUB # 3. 2.1.8	1200
Pectinase ECC IUB # 3. 2.1.8	120
Betaglucanase ECC IUB # 3. 2.1.8	600
Coated Phytase ECC IUB # 3. 2.1.8	500



Product Specifications

EFFICACY	Effective over a wide pH and temperature range.
PACKAGING	Available in 5, 10 and 20 kg pails or 55 lb. bags.
STORAGE	In dry location. Do not exceed 26°C.
SHELF LIFE	One year in original sealed container. Three months in stored premixes and feedstuffs.
USE & DOSE	For any corn/soy based feed. Layer/Breeder feeds. 200 grms/metric ton, Broiler feeds. 250 grms/metric ton. Pig diets. 300 grms/metric ton.
CAUTION	Dinazyme C/S Complete survives pelleting temperatures of up to 85°C.

DISTRIBUTED IN YOUR AREA BY



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 e-mail "info@dinathec.com"
 Visit our web site at <http://www.dinathec.com>



DINATEC

Quality You Can Trust

**NEW DINAZYME C/S
 COMPLETE WITH PHYTASE
 ACTIVITY**

**Enzyme supplement
 for poultry & pig diets**



Corn soy based feed cost at least \$250 / ton?
 With Dinazyme you will:

INCREASE Profits by 10¢ – 18¢ per month / bird

INCREASE Feed profits by \$1.50-\$2.50 per ton

Even after deduction for inclusion costs!

LET US SHOW YOU HOW

What is DINAZYME®?

A diet supplement which enhances nitrogen utilization and increases protein digestibility with the active ingredient protease, resulting in increased absorption of amino acids and peptides.

DINAZYME C/S® also contains amylase, which breaks down the starch content of feedstuffs and Xylanase, a complex hydrolytic enzyme preparation which has an effect on hemicellulose substrates containing xylan, manan and glucan.

Effective action of the enzyme complex is due to the presence of other important hydrolytic enzymes, which decompose cellulose, lichenin, araban and pectin.

A combination of amylase, Xylanase and protease boosts the digestibility of typical corn and soybean meal-based diets, resulting in more nutrients available for growth.

Inclusion of **DINAZYME C/S®** in diet supplements provides endogenous enzymes animals lack or produce in low amounts.

Is DINAZYME C/S® for all species?

Dinazyme C/S is recommended for use in diets fed to broilers, turkeys, layers & pigs

Why include DINAZYME C/S® in your rations?

The Problem

High energy diets based on high starch and protein content are desirable at an early age for the monogastric. However, at this early stage the animal's endogenous enzyme system is not yet fully developed and is unable to adapt quickly enough to match demands of current feed management programs.

It takes time for the immature pancreas to adapt to the new diet and produce the necessary amounts and types of digestive enzymes.

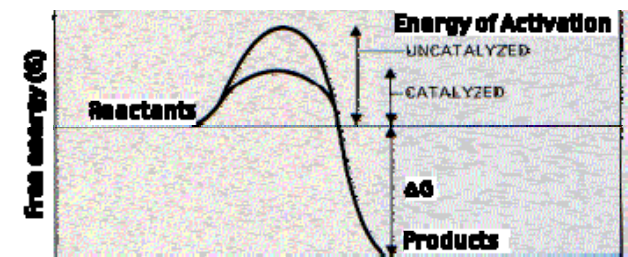
Much of this feed remains undigested and is simply wasted, but worse this undigested feed promotes "*nutritional scours*," which provides substrate for the growth of diarrhea-causing pathogens.

Enzymes form complexes with their substrates. The binding of a substrate to an enzyme active site is termed the "enzyme-substrate complex". A generic equation for complex formation is as follows:



The Solution is DINAZYME® C/S

- Supplements animals' immature endogenous enzyme system.
- Maximizes animal digestion performance, even when capacity is limited, e.g. in the case of young animals or rapid diet changes.
- Optimizes nutrient utilization of high-energy feedstuffs.



Enzymes bind temporarily to one or more of the reactants of the reaction they catalyze. In doing so, they lower the amount of activation energy needed and thus speed up the reaction.