IMAGINE ZEOLITE

ZEO-FEED

For Hogs

FEED
This is the most effective point of addition. Many farms have eliminated most of their odor and realized greater animal health, welfare, and production by feeding between ½ to 2% of the total ration on a weight basis of Zeo-Feed. A 14 x 40 mesh product should be fed in mash or a -100 mesh should be used to pelletize supplements.

BEDDING AREA
A thin layer should be applied to the bedding area and to the area that receives the manure each time they are cleaned out.

COMPOST OR DRY STACKED MANURE
The compost or dry stacked manure should be "top dressed" with a thin layer of Zeo-Feed after it is turned or after the addition of a new layer of manure. Alternatively, a layer of Zeo-Feed should be placed in the area of the barn receiving the fresh manure. Composting is an important process that

- Converts organically bound nitrogen that is not plant accessible to ammonium hydroxide, ammonium nitrate, and ammonia that are plant accessible
- Kills the pathogens
- Reduces or eliminates the odor
- Dries the manure
- Reduces the flies
- Kills weed seeds

Composting should be conducted "in vessel" to prevent groundwater and air pollution. Wash down operations are no longer environmentally acceptable due to groundwater pollution of nitrates, nitrites, and hydrogen sulfides.

REDUCES SCOURS

MYCO-TOXIN BINDER
The effectiveness of zeolites as myco-toxin binders is widely recognized throughout the world, but its use in the United States is not accepted by the USDA.

IMPROVED FEED CONVERSION

FLOW AGENT/ANTI CAKING AGENT in feed components

INCREASED PELLET DURABILITY
Allows higher temperatures in pellet mills that increase production and gelatinization that make more durable pellets.

REDUCED NECESSITY FOR ANTIBIOTICS
Zeo-Feed enhances growth without the need for antibiotics.

REDUCES PHOSPHATE POLLUTION AND INCREASES BONE GROWTH
Two factors reduce phosphate pollution. First, increased solubility of phosphates in the hog allows the reduction of phosphate in the feed rations. This reduces the phosphate in the manure and the soil that it is applied to. Second, by using Zeo-Feed in the feed ration and in the composting operation, the nitrogen is increased in the compost. An increase in the nitrogen in the "nitrogen to phosphate" ratio results in the increased plant uptake of phosphate and a reduction of the phosphate pollution. Zeo-Feed helps solubilize phosphate from dicalcium phosphate and other calcium phosphate sources that enhance bone growth.

INCREASED PRODUCTION
Less ammonia gas in the barn decreases respiratory problems, diarrhea, mortality rate, and greater food intake result in healthier hogs that gain faster.

INCREASED NITROGEN CONTENT OF MANURE AND COMPOST
Zeo-Feed increases and fixes the nitrogen in the manure and compost so that it is plant accessible but not water-soluble. It stops the gassing of the nitrogen as ammonia.

ZEO-FEED ADDS VALUE TO MANURE AND COMPOST
The introduction of Zeo-Feed with the manure or compost to the soil has the benefit of increasing water retention, holding the nitrogen and other nutrients in the growth zone, provides a medium for the future capture of nitrogen, increases the ion exchange capacity of the soil, provides potassium and calcium, and enhances infiltration and aeration of the soil. Zeo-Feed is a value added soil amendment that should be advertised.

ODOR CONTROL
Reducing the ammonia gas in the barn and compost areas reduces the odor.

FLY CONTROL
Reduced ammonia gas and increased moisture absorption helps control flies.

INCREASED ANIMAL WELFARE
Greater animal health creates better animal welfare, better meat, greater production, and lesser usage of antibiotics and medicines that may have lasting adverse effects to the human population.

GROUNDWATER POLLUTION CONTROL
Fixing the nitrogen and various heavy metals reduces the pollution of the groundwater with nitrates and nitrites.

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