



Chickens

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 or a -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 or to the area that receives the manure each time it is 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 then 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 sulfide.



Benefits

REDUCES DIARRHEA

MYCO-TOXIN BINDER

Zeolites are recognized as effective myco-toxin binders in many countries but not in the United States.

INCREASES SOLUBILITY OF PHOSPHATE IN BIRDS

The zeolite exchanges the calcium from dicalcium phosphate and makes the phosphate more soluble and better utilized by the bird for bones. The dicalcium phosphate in the feed may be reduced by 50% after testing.

INCREASED NUMBER OF GRADEABLE EGGS

REDUCES FOOT PAD BURNS FROM PHOSPHOROUS

LOWERS MORTALITY

INCREASES FOOD EFFICIENCY VALUES/LOWER FEED CONVERSION RATES

INCREASED SHELL THICKENESS

LESSER OR NO ANTIBIOTICS

INCREASED PELLET DURABILITY FOR FEEDS FLOW AGENT/ANTI CAKING AGENT

INCREASED PRODUCTION FROM HEALTHIER BIRDS

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. Good chicken compost should sell for \$75.00 to \$90.00 per ton. Many of the areas that have been repeatedly fertilized with chicken manure now have phosphate problems. This is a result of not enough nitrogen to balance the plant uptake of the phosphorous. The problem can be solved by increasing the nitrogen, by the addition of phytase to the feed, and by feeding Zeo-Feed to solublize the phosphate in the bird.

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 as such.

ODOR CONTROL

Reduces the ammonia gas and odor in the coop and manure storage and compost areas.

FLY CONTROL

Reduced ammonia gas and increased moisture absorption helps control flies.

INCREASED ANIMAL WELFARE

Greater animal health creates better animal welfare, better products, greater production, and less 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.

RECYCLE EGG WASH WATER

Egg wash water can be recycled after filtration through a bed of zeolite granules to remove suspended solids and bacteria (e.g. E. Coli, etc.).