



# NUSAGRI CV

Natural Zeolite Producer

Nusantara Agritech was established on 1988, is one of the pioneers in exploitation and processing of zeolite minerals in Indonesia for used in Agricultural and Multi Sectors. The Founders are young businessmen come from a new Indonesian Generation which have high education in Engineering and Agricultural Technology.



# Our Product

We have exported our products to over 12 countries. This suggests that we have established a global presence and a reputation for our zeolite products in various international markets. With over two decades of experience in the industry, we undoubtedly possess a profound understanding of zeolite mining, processing, and its applications. This experience translates into the delivery of high-quality products and services.



## Powder

Mesh 100,150,325

We have 3 different variants, each with a different mesh. These different mesh sizes likely cater to various applications or customer preferences



## Packaging

Printed with your design

- PP Woven Laminated
- HDPE Innerbag
- 25 KG / 50 KG
- Manual Printing
- Print with your own design
- Max 2 colors combination



## Granular

2-5 mm

This range of granule sizes can be advantageous because it allows for versatility in various applications. Different particle sizes are suitable for different uses, and having a range can accommodate a broader range of applications.



## Chip / Crushed

1-3 mm

The specific use of natural zeolite chips can vary depending on their size, quality, and intended application. These chips are valued for their ability to adsorb and release water and certain ions, making them versatile in a range of industries.



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# AGRICULTURE



## HOW DOES AGRO-LITE WORKS IN AGRICULTURE



- leaf greener, stronger stem and higher production
- to decrease fertilizer application and improve its effectiveness
- increase P elements available for plant
- to neutralize soil pH
- assist to provide microelements
- to eliminate poisons elements for plant

In regular Urea application, only 29-45 % that could be exploited by plant, the rest is cleaned or steamed. Because of its high Cation Exchange Capacity, using AGRO-LITE could decrease Urea dosage and improve its effectiveness.

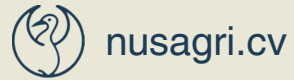
AGRO-LITE also improve P elements available for plant, by its nature of ion exchange P elements that bounded in soil could be released to make it available for plant. Thereby the usage P fertilizer could be deducted.

Solve the Problem of Silica & Micro Nutrition.



## THE BENEFITS FOR PLANTS

# LIVESTOCK



## >>> UTILIZATION

Based on its nature of ion exchange and adsorption, Zeolite can act as pH buffer, balancing electrolyte dilution; fasten the disturber ion and also the poisonous heavy elements, and also as catalyst in enzymatic reactions. By enzyme, feed will be digested more perfect, so more feed nutrients will available to absorb by animal's organ. Other benefit of zeolite is its ability to eliminate bad effect of mycotoxin, one of them is aflatoxin.

Zeolite itself is not a nutrition matter. Using the Zeolite is caused of its special characteristic as a unity matter and is not caused by its chemical components.

## FOR FEED ADDITIVE

Effective application: 2-5 % mixed to feed (over dosage will cause a negative effect).

## >>> BENEFITS

- Mycotoxin Binding
- Ammonia Adsorption
- Improved Digestibility
- Antibacterial Properties
- Mineral Absorption
- Water Retention
- Reduced Environmental Impact





# AQUACULTURE



Natural zeolites can offer several benefits for aquaculture, the farming of aquatic organisms such as fish, shrimp, and mollusks.. ZEOLITE showed its capability in the seawater with 30 ‰ salinity. In this condition, it's able to reduce N-total (amount of Ammonium ( $\text{NH}_4^+$ ) and Ammonia ( $\text{NH}_3$ ) at 1 ppm by 4 tons ZEOLITE/hectare of the pond. Further Nitrogen that has been adsorbed cannot be released again.

ZEOLITE is not dangerous because its former of substance is pure and natural, not in the form of mixture or synthesis. That substance itself is dissoluble and remaining stable although in the acids or bases. It is strong and should be decomposed by a very high heating.

## >>> BENEFITS

- Ammonia Removal
- Water Filtration
- Ion Exchange and Nutrient Retention
- Heavy Metal Removal
- Odor Control
- pH Regulation

### During the maintenance period

Week	Kg/Ha/week
• 4-5	• 250
• 6	• 500
• 7-8	• 750
• 9-10	• 500
• 11-12	• 250

When the water is poured into the pond, before spreading the shrimp fry, spread out evenly the Zeolite at 300 - 500 kg/Ha on the surface of water





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