



**ZEOLITEMIN**

AGRICULTURAL FORCE GROWING

**UZ-MIN CZS100 Zeolite**

APPLICATION AS

----- SOIL CONDITIONER -----

#### **OPTIMIZED WATER AND FERTILIZER USAGE**

Zeolite is a soil conditioner and fertilizer additive that acts as a reservoir for water and plant nutrients. They are characterized as high capillary porous structures and high cation exchange capacities.

#### **Zeolite, thanks to its High Capillary Porous Structure**

- Increases water absorption and retention. Economizes water usage.
- Acts as a water reservoir in dry and sandy fields.
- Keeps beneficial microorganisms in the soil alive.
- Absorbs excess water, and thus prevents root decays and fungal diseases.
- Aerates the soil.

#### **Zeolite, thanks to its High Cation Exchange Capacity**

- Holds and slowly releases ammonia, nitrogen, potassium and phosphorus.
- Transforms your regular fertilizer into a slow - and controlled - release fertilizer. Economizes fertilizer usage.
- Reduces fertilizer volatility and prevents loss of fertilizer due to leaching.
- Absorbs excess ammonia, and thus prevents root burns.
- Cultivates your plants & trees continuously in harmony.
- Cleans your soil from toxic materials and metals. Acts as a pesticide, fungicide, herbicide carrier.

If your soil is sandy or clayey, please attention! Zeolite regenerates your sandy soil. It absorbs fertilizers and nutrients in the soil and prevents them from leaching

**GROWTH AND HEALTH PROMOTER  
AMMONIA & TOXIN BINDERTOXIN BINDER**

with the irrigation water. After adsorbing fertilizers and nutrients, it enriches and moisturizes your sandy soil. Zeolite aerates your clayey soil. It prevents sludge formation. Enables the plant roots to access the fertilizers & nutrients easily. It stimulates the micro-organismic activities in the soil.

#### **THE ADVANTAGES OF ZEOLITE OVER OTHER CONDITIONERS**

- Improves the soil quality. Decontaminates the soil.
- Excellent hardness. Stable in soil.
- Economic and effective for many years.
- Improves the efficiency of fertilizers. Reduces fertilizer costs.
- Easy application, storage and transportation.
- Produced by the zeolite leader in China, under the ISO9001 quality control system
- Completely safe and toxic-free. There is no risk or danger of over dosage. 100% natural and environmentally friendly.
- Prevents groundwater contamination that otherwise
- occurs in the absence of zeolite, due to fertilizers and other nutrients that are applied to the soil.

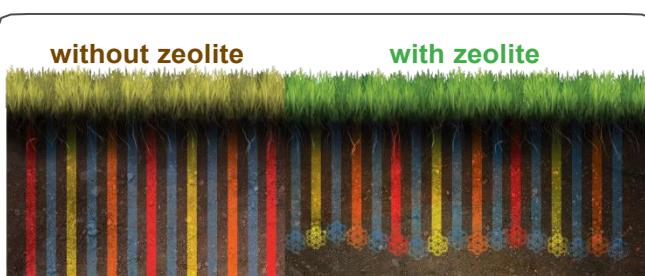
#### **HIGH ECONOMIC RETURNS WITH A LOW COST**

Zeolite yields high economic benefits with only a little expenditure.

Zeolite, when mixed with compost materials, improves compost quality and prevents leachate and bad odors.

#### **FOR BEST RESULTS!**

Since Zeolite acts as a reservoir for water and plant nutrients, best results are obtained if charged with fertilizers before or soon after mixing it with soil.



Zeolite absorbs nutrients and fertilizers through cation exchange. Slowly releases them to the soil.

**ENVIRONMENT FRIENDLY PRODUCT  
SAFE & 100% NATURAL**



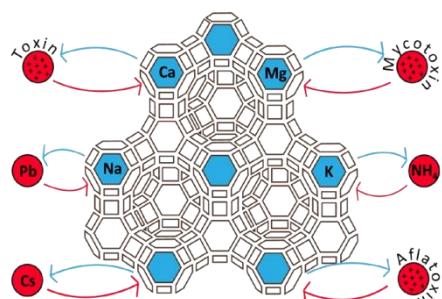
## UZ-MIN CZS100 Zeolite

### APPLICATION AS

#### ----- FEED ADDITIVE AQUACULTURE -----

### CONTENT

Zeolite is a crystalline, hydrated aluminosilicate that has an infinite three dimensional structure. ZeoliteMin's Zeolite contains high purity Clinoptilolite, which is one of the most effective Heulandite type of zeolite. Its highly porous structure (with a porosity reaching 50%) provides an extremely large surface area on which chemical reactions and cation exchanges can take place at a very high degree. It can absorb incredible amounts of water/liquid into its pores. Clinoptilolite has a natural negative ion charge which furnishes it with a tremendously high cation exchange capacity (CEC). Thanks to CEC, it adsorbs and binds ammonium, toxins, mycotoxins and heavy metals like Ni, Pb, Hg and Cd, very efficiently and effectively.



### CATION EXCHANGE CAPACITY

Cation exchange capacity (CEC) is a measure of the amount of cations (positively-charged ions) that a clay can catch. As mycotoxins, toxins, heavy metals and ammonium are all positively charged, they are all easily trapped by cation exchangers. Clinoptilolite from ZeoliteMin possesses by far one of the highest CEC rates (as high as  $160 \text{ cmol+kg}^{-1}$ ) among all reservoirs in the world. Purity and CEC are the two vital parameters that define the quality of zeolite mineral.

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### THE TRUST PRODUCER, ZEOLITEMIN BIOTECH

ZeoliteMin Biotech is the leading natural Zeolite - Clinoptilolite producer and exporter in Asia. Our head-office was founded in 1992. Since 2018, it is only specialized in the production and the marketing of its own natural Zeolite mineral; and is committed to setting the standards for the natural zeolite industry in the world. It carries out its production under ISO9001 quality control system since 2019. Thanks to the high purity of its ore and to the quality of its service, ZeoliteMin serves its products to more than 50 countries in the world.

### APPLICATION

Plantation and greenhouse: 150 - 250 kg / 1000 msq. Mix with soil before or during seeding / planting.  
Trees: 5 - 15 kg per tree. Dig 15 cm deep throughout the crown projection of the tree. Mix with soil.  
Seedling: Mix with seedling soil in 1 to 1 ratio.  
Grass: 400 kg / 1000 msq. Mix with soil before seeding / planting.

### SUITABLE SIZES

- 0-100 micron
- 0-200 micron



### ENVIRONMENT-FRIENDLY

100% natural and safe product; produced in accordance with the CN's Feed Additive and under the strict quality control system and surveillance of ISO9001. Zeolite is not a medicine or nutrient. It can't be used for therapeutic purposes.

Information herein is accurate to the best of our knowledge, but may be subject to change without notice. Suggestions are made without warranty or guarantee of results. Before using, user should determine the suitability of the product for its intended use and user assumes the risk and liability in connection therewith.