



VSP ZEO Agro-Clino

Natural Zeolite Soil Conditioner



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VSP ZEO Agro-Clino is a natural soil conditioner produced from zeolite-clinoptilolite. With its high CEC (Cation Exchange Capacity), it improves the structure of the soil and seriously enhances the availability of nutrients and water - to all forms of crops.

Properties and Benefits:

- 100% natural soil conditioner.
- Does not contain any toxic substances.
- Increases the cation exchange capacity of the soil.
- Stores nutritional elements and water in its porous structure.
- Enables a longer availability of essential nutrients in the soil, therefore improves crop quality and initiates early ripening.
- Increases crop yields.
- Helps to save water by decreasing the frequency of irrigation.
- Aerates heavy soils and prevents the formation of duff layer.
- Stabilises the pH.
- Reduces salinity resulting from excessive use of chemical fertilisers.
- Improves germination, helps to maintain healthy roots. Prevents root decay!
- Prevents transition of heavy metals, radioactive matter and toxins into plant tissues and groundwater.
- Absorbs nitrates and ammonium.
- Does not dissolve in water, therefore works actively for extended periods of time.
- When mixed with silage prevents the formation of moulds, fungi, mycotoxins and bad odours.

Application:

VSP ZEO Agro-Clino can be used in the fields or in greenhouses together with chemical fertilisers, animal manure and peat before planting. For fruit trees (olive, apple, apricot, cherry, peach, quince, plum, banana, pear etc.) it should be mixed into the soil under the leaf projection area. Dosage varies according to soil type and tree species.

Best results are achieved when VSP ZEO Agro-Clino is applied before rain or irrigation. It should be added to the planting pits of fruit trees at a quantity of 1/3 of the pit soil. It is recommended to conduct soil analysis before deciding on the dosage and correct type of application.

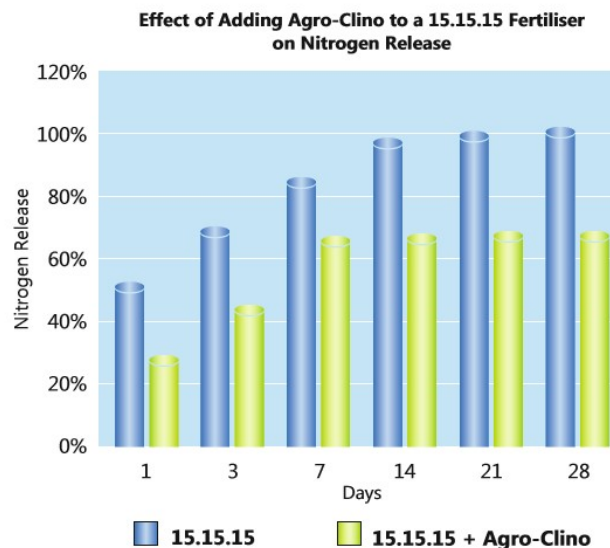


Leaf Projection Area ←

Scientific Study:

The Efficiency of Agro-Clino as a Soil Conditioner in Acidic and Alkaline Soils

- Adding Agro-Clino to mixtures of either acidic or alkaline soils with specific fertilisers has a major beneficial effect on the controlled slow release of nutrients (nitrogen, phosphorus, potassium and sulfur), which enables them to be available for longer periods.
- Agro-Clino retains a significant amount of water due to its porous structure.
- Due to its high Cation Exchange Capacity (CEC), Agro-Clino activates the soil.



Product	Quantity (kg/ha)	Application
Field Crops		
Cereals (wheat, barley, oats, rye, etc.)	1.000-3.000	Should be mixed with soil before planting, while preparing the field or the seed bed.
Industrial Crops (rice, cotton, sunflower, corn, etc.)	1.000-3.000	
Vegetables (tomato, pepper, melon, rocket, etc.)	2.000-5.000	
Forage (clover, sudan grass, sorghum, etc.)	1.000-3.000	
Greenhouses		
Tomato, pepper, eggplant, cucumber, melon, etc.	2.000-5.000	Should be mixed with soil before planting.
Ornamental plants	2.000-4.000	
Fruits		
Grapes, strawberry	1.000-2.500	Should be mixed with soil by spreading around the plant.
Banana	1-2 kg per root	
Lemon, orange, apple, pear, peach, cherry, plum, apricot, olives, nuts, berries, etc.	250-500 g per tree for each age	Should be mixed with the soil in the leaf projection area to a depth of 10-15cm.
Saplings	2-5 kg/sapling	Should be mixed with the soil in the pit.
Seedlings	7-10 kg/m ²	Add 7-10 kg per m ² of the seed bed or mix up to 30% with the seedling soil.

* Application rates may vary depending on the soil type, and regional and seasonal conditions.

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Product Name	VSP ZEO Agro-Clino (produced from natural zeolite-clinoptilolite)
Chemical Formula	$(\text{Na}_{0,5}\text{K}_{2,5})(\text{Ca}_{1,0}\text{Mg}_{0,5})(\text{Al}_6\text{Si}_{30})\text{O}_{72}\cdot 24\text{H}_2\text{O}$
Chemical Name	Hydrated Sodium - Potassium - Calcium - Aluminosilicate
Grain Size	1-3 mm, 2-4 mm
Water Retention Capacity	35 - 45%
Cation Exchange Capacity (CEC)	1,6-2,0 meq/g NH - Ammonium (Kjeldahl distillation method)
Ion Selectivity	Pb>Cs>NH₄⁺>Ba>Sr>Hg
pH	6,5-7,5
Package	25 kg PP bags, 1 ton Big-Bags, Bulk

VSP ZEO Agro-Clino is certified for organic farming and produced according to the European Regulations (EC) No. 834/2007 and No. 889/2008, which jointly define the framework for organic production and labelling of organic products.

Manufactured in our production facilities that are certified according to ISO 9001:2008 and ISO 22000:2005.



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