

TECHNICAL INFORMATION

COSTALITE NS AGRO

Diatomaceous Earth

556-53920-000



DESCRIPTION

COSTALITE NS AGRO is a natural soil amendment. It is composed entirely of diatomaceous earth, which, due to its high Silicon content, is an excellent soil restorer, especially soils with high contents of toxic elements such as Iron or Aluminum and can be used in the rehabilitation of saline soils.

It is made up of microscopic freshwater algae fossils, so its electrical conductivity is extremely low. It is extracted from a surface deposit with pristine conditions, so the content of crystalline silicates is below the risk limits.

COSTALITE NS AGRO is a high purity product, treated under controlled temperatures and optimal sizing to obtain the finest particles.

USE

Costalite NS Agro can be used in the rehabilitation of soils with salinity problems, high concentrations of toxic ions such as aluminum and to treat soils with natural concentrations of heavy metals. It can be used in any crop such as: Strawberries (*Fragaria sp.*), Pineapple (*Ananas comosus*), Banana and Plantain (*Musa spp.*), Coffee (*Coffea arabica*), Sugarcane (*Saccharum officinarum*), Citrus (*Citrus spp.*), Avocado (*Persea americana*), Mango (*Mangifera indica*), African Palm (*Elaeis guineensis*), Pejibaye or Palmito (*Bactris gasipaes*), Corn (*Zea mays*), Beans (*Phaseolus vulgaris*), Rice (*Oryza sativa*), Papaya (*Carica papaya*), Melon (*Cucumis melo*), Watermelon (*Citrullus spp.*), Ornamental Plants or Flowers, Forestal plantations, Pastures, Vegetables, Tomato (*Solanum lycopersicum*), Chile (*Capsicum annum*), Onion (*Allium cepa*), Lettuce (*Lactuca sativa*), Celery (*Apium graveolens*), Brasicaceae, Tiquisque (*Xanthosoma spp.*), Ñampí (*Colocasia esculenta*), Yam (*Dioscorea alata*), Yampi (*Dioscorea trifida*), Malanga (*Colocasia spp.*), Ginger (*Zingiber officinale*), Turmeric (*Curcuma longa*), Cassava (*Manihot esculenta*), Cotton (*Gossypium spp.*), Chayote (*Secchium edule*) and others.

Due to its high porosity, low density, and large surface area per volume unit, COSTALITE NS AGRO can be used as a carrier and dispersant of other products for agricultural use and inoculation of microorganisms.

Thanks to its ability to adsorb liquids, it is a natural desiccant and significantly reduces changes caused by moisture.

It's certified by KIWA BCS to be used in organic farming.

Line Agricultural Line

PROPERTIES

These technical data were calculated under controlled laboratory conditions, but SUR QUIMICA has no control over conditions, tools, applicator skills, selection, preparation, or compatibility of products used; therefore, can only guarantee this product quality, its features and qualities' suitability, but is not responsible for the results obtained in conditions impossible to check once the job has been done. SUR QUIMICA has made reasonable efforts to ensure the accuracy of the information provided here, but assumes no responsibility for any error, omission, or inaccuracy in it. If there is any inconsistency between different language issues of this document, Spanish version will prevail.



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SPECIAL PROPERTIES

State	Solid
Form	Wettable powder

PHYSICAL PROPERTIES

DATA

Silicon Oxide (SiO ₂) % m/m	≥ 87.00
Percentage of organic matter %	6.00
Density (g/ml)	0.35 - 0.40
pH	4 - 5
Max moisture %m/m	< 8
Average size μm	< 20
Crystalline silicon content less than minimum detection value (0.01%)	
% passing 325 mesh	➤ 95

CONTAINERS and COLORS

AVAILABLE CONTAINERS

15kg bag

400kg bulk bag

PRODUCT PREPARATION

COMPONENT	MIXING RATIO	MIXING INSTRUCTIONS
Producto: 556-53920-000, COSTALITE NS AGRO		Read label before use

PRODUCT APPLICATION

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APPLICATION TOOL

Backpack Sprayer

Power Spreader

By Hand

Spray boom

Dose for each crop (Kg/ha)

Rice (<i>Oryza spp.</i>)	To the ground from 100 to 300 kg/ha
Corn (<i>Zea spp.</i>)	To the ground from 100 to 300 kg/ha
Sugarcane (<i>Saccharum spp.</i>)	To the ground from 100 to 300 kg/ha
Pastures	To the ground from 20 to 100 kg/ha
Oil Palm (<i>Elaeis spp.</i>)	To the ground from 100 to 300 kg/ha Nursery, 10 - 30 gr/bag
Citrus (<i>Citrus spp.</i>)	To the ground from 100 to 200 kg/ha Nursery, 5 - 15 gr/bag
Ornamentals flowers and plants	To the ground from 20 to 50 kg/ha
Coffee (<i>Coffea spp.</i>)	To the ground from 100 to 200 kg/ha
Annual Crops	To the ground from 100 to 300 kg/ha
Perennial Crops	To the ground from 100 to 200 kg/ha
Vegetables	To the ground from 50 to 100 kg/ha
Seedlings	To substrate, 1 to 5 kg per cubic meter of substrate

Application conditions

Direct application to the ground on very windy days should be avoided since it is a very fine powder. For application in water suspension, always stir before filling the application equipment and, when possible, keep stirring during the application. After application, be sure to wash equipment with plenty of clean water.

Remember to properly lubricate the pumping systems according to the equipment manufacturer's recommendations.

Given its chemical stability, this product can be mixed with most agrochemicals, but each mix should be tested on a smaller scale to check for chemical and physical compatibility.

This product can stay on leaves or surfaces for several days after application.

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Application Instructions

COSTALITE NS AGRO can be applied directly to the soil, dispersed manually or with a spreader over the entire surface. This product should then be mixed within the soil profile with harrows, disc plow or other power tillage equipment. It can also be applied to the planting ridge or the fertilizer band. This product can also be applied in water suspension, or “drench”. Fill up to three quarters of water in a suitable container and, while stirring, slowly add the chosen dose of COSTALITE NS AGRO. Finish filling the container to the desired volume.

NOTICE

- ✓ If you need more information, check our website <https://www.gruposur.com/asistencia/>
- ✓ Container must be kept out of reach of children, tightly closed in a ventilated place, away from sunlight or intense heat, between 20 and 30°C.
- ✓ The use of diatomaceous earth in agriculture may be restricted in some countries, the use of this product is the sole responsibility of the purchaser.

HEALTH

- ✓ Registered in Costa Rica: MAG N° 8175
- ✓ Registered in Panamá: MDA N° 8133
- ✓ Registered in Nicaragua: IPSA U-NI-FER-886-2017
- ✓ The user of this product may need the appropriate Personal Protection Equipment (PPE), as described in its Safety data Sheet (MSDS), available at <http://www.gruposur.com>
- ✓ If you need to dispose of empty containers of our products in Costa Rica, contact your SUR store or our industrial compound in La Uruca, San Jose

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