

NitroSul^pHate

NitroSul^pHate Padena is a compound with very high acidification properties and contains 20% of nitrogen, 20% of elemental sulfur and 60% of sulfate anion. Due to its very high acid-generating power, this compound has an effective role in neutralizing active calcium carbonate in the soil, while correcting the high pH of calcareous and alkaline soils, it significantly increases the efficiency of using nitrogen fertilizers, especially urea, in calcareous soils. The application of NitroSul^pHate Padena compound due to the dissolution and neutralization of active soil calcium carbonate, causes the production and release of calcium ions and its replacement with exchangeable sodium ions on the surfaces of mineral and organic colloids in saline and soils and has a very effective role in washing sodium ions it improves the soil structure and thus increase the penetration of water and air into the soil.

Benefits

- Instant reduction of soil pH and powerful neutralizer of active soil calcium carbonate
- Neutralizing the negative effect of active bicarbonate ions in irrigation water
- Special increase in the efficiency of using nitrogen fertilizers by reducing nitrogen sublimation
- Significant increase in dissolution and absorbability of phosphorus fixed in the soil and increase in absorbability of micro nutrients
- Improvement and promotion of soil structure, especially in saline and sodium soils
- Increasing ventilation in the plant rhizosphere environment and increasing water permeability in the soil
- Part of the supplier of nitrogen and sulfur required by the plant
- De-scaling from drippers and preventing the formation of sediment in pressurized irrigation systems

Composition (W/V) %

N	20
S	20
SO ₄ ²⁻	60

Application rate

Crop	How to use	Dosage	Time
Field Crops	Fertigation	15-20 liters per hectare with irrigation water	2 to 3 times every month from the beginning of the growing stages
Fruit trees	Fertigation	20 – 30 liter per 1000 liters of water per hectare	2 to 3 times every month from the beginning of the growing stages
Greenhouse products	Fertigation	5 – 10 liter per 1000 liters of water per hectare	2 to 3 times from the beginning of the growing stages every 20 days