

Silic ON AmyN



NUTRIENT CORRECTOR. SILICON

CHARACTERISTICS

SILICON AMYN is a concentrated product of Silicon and Potassium supplemented with plant amino acids, which improve the uptake and distribution of these two nutrients in plants.

SILICON AMYN is applied via foliar and is compatible with most pesticides except for those of alkaline reaction.

NUTRITION

FUNGICIDE

MITICIDE

INSECTICIDE

Resistance to Disease and Pest

Si deposition in the epidermis tissues provides a physical barrier to pathogens and insects, allowing for a reduction in the frequency of chemical applications

Cell Structure

Si accumulated in the epidermal tissues increases the mechanical stability of the plant. Reduces the incident of lodging

Photosynthetic Activity

The improved structure produces stronger stems with more erect leaves, increasing its ability to capture light

Uptake of Nutrients

Particularly Nitrogen, Phosphorous, Potassium and Micronutrients

Resistance to Environmental Stress

- Reduced drought and heat stress. The deposition of Si in the plant tissues reduces transpiration rates.
- Reduce salt stress by inhibiting Sodium uptake.
- Alleviate toxicity of heavy metals: Iron, Manganese, Cadmiun, Aluminium, and Zinc by regulating plant uptake

Post Harvest Life

Si can associate with cell wall proteins where it might exert an active production of defence compounds

COMPOSITION

	%w/v
Silicon (SiO ₂)	26,4
Potassium (K ₂ O)	10,2
Free Amino Acids	3,0



DOSAGE AND APPLICATION

Crops	Details
Annuals: Vegetables, cut flowers, nursery, strawberries, sugarcane and wheat.	1-2L/Ha or 200-400 ml/100L Foliar: Apply in a minimum of 600 L water. Apply every 10-15 days from first visible leaf on wards. For best results apply first sprays before leaf hardening of crop. Apply to sugarcane during the lead-up to the dryer months.
Perennials: tree crops, vines, bananas and turf.	1-2L/Ha or 200-400 ml/100L Foliar: Apply in a minimum of 600 L water. Apply during leaf flush and after fruit set and every 10-14 days during disease events.
Soil and Drip or hydroponic nutrient solution.	200ml/1000L 6-8 time sper crop cycle. Maximum of 8 L/Ha.

Silicon and postharvest life or produce:

Researchers have shown that Silicon can inhibit ethylene which reduces the speed of aging and death of harvested plant parts. Silicon treated plant have also been shown to maintain their chlorophyll (green) content over a longer period. The end result is produce with better shelf life and appearance.

PACKING:

