

Tioalga

Plant defense mechanism activator based on complexed sulfur



ORGANIC NITROGEN FERTILIZER

FLUID YEAST EXTRACT CONTAINING BROWN ALGAE AND SULPHUR

TIOALGA is a special formulation created by complexing micronized sulfur with amino acids of entirely plant origin and selected brown seaweed extracts. Of particular note is the presence of fully available betaine, which enhances the plants' ability to withstand soil and climatic stress as well as pathogens.

Applying the product offers several advantages:

- promotion of defense mechanisms against abiotic and biotic stress, thanks to the sulfur content;
- strengthening of the plant immune system, thanks to auxins, gibberellins, alginates, betaines, vitamins, and antioxidants naturally found in the seaweed;
- nutritional action, thanks to the organic nitrogen derived from amino acids.

The innovative "flowable" gel formulation—characterized by high stability—helps keep the sulfur in suspension, giving the product excellent wettability and adhesiveness while ensuring rapid, immediate assimilation. Furthermore, the gel consistency makes the product easier and more practical to use, while providing greater persistence and effectiveness through improved coverage.

Components included in the formulation:

- Plant-based amino acids: 4.5%
- Algae: 20%
- Betaines: 5%
- Sugars: 13%
- Humic extracts: 15%
- Organic matter: 24%
- Promotes defense mechanisms.
- Provides nourishment.
- Acts as a biostimulant.
- Supplies organic nitrogen derived entirely from plant-based amino acids.
- Improved wettability, adhesion (resistance to rain washout), and assimilation of all constituents, thanks to the innovative "flowable" gel formulation.

COMPOSITION (% w/w)

Organic Nitrogen (N) 1.2
Organic Carbon (C) 12
Total Sulfur (S) 24

PHYSICAL PROPERTIES

pH (1% solution) 6.9
Density (g/ml, 20°C) 1.35
Color Light brown

FORMULATION

Flowable

PACKAGING

1 kg bottle
6 kg container
25 kg container

SHIPPING PACK

16 x 1 kg packs
4 x 6 kg packs
32 x 25 kg packs

APPLICATION

Foliar
Root/Soil



1 kg



6 kg



25 kg

MODE OF USE	CULTURE	WHEN TO APPLY IT	DOSES
Foliar	Fruit and Vine Crops Vegetable Crops Ornamental Crops Industrial Crops	2–4 applications throughout the cycle	300 – 350 g/100 L of water
Radical	Fruit and Vine Crops Vegetable Crops Ornamental Crops Industrial Crops	2–4 applications throughout the cycle	12 – 14 kg/ha

Precautions: Shake well before use. Do not mix with alkaline-reacting products. Conduct a compatibility test before mixing with plant protection products or other fertilizers. Do not mix directly with humic acids or organic products. The product is stable under ordinary temperature and pressure conditions. Store at temperatures between 5°C and 30°C. The product is non-combustible.