

**- Specification Sheet -**

## STRONG-N

**STRONG- N** is a combination of a natural activator and an organic fertilizer. It contains 18 % (w/v) humic and fulvic acids, 7 % nitrogen and 3 % potassium. The contained humic and fulvic acids as well as its rich micronutrient content derive from humus which has been formed from brown carbon deposits.

**STRONG N** increases the nitrogen and potassium uptake by the plants leading to optimum growth for all the crops.

### PROPERTIES AND USES:

- Increases the cation exchange capacity and water holding capacity.
- Promotes the development of a good soil structure.
- Improves the retention and the assimilation of the essential nutrients by the plants thereby reduces the loss of the applied fertilizers due to leaching and run-off.
- Stabilizes the soil against the increased acidity from the fertilizer applications.
- Stimulates the beneficial microbial activity and the root growth.
- Promotes the nutrient uptake by plants in hydroponic production.
- Oxygenates better the root system while preventing possible rots.
- Promotes the penetration and the retention of calcium in the soil.

### APPLICATION:

**STRONG-26** is applied in all crops (vegetables, cereals, trees, vineyard, bushes, flowers, lawn, fodders) with dilution in the water prior to the application. Generally it can be applied at any moment during the growth period. Foliar applications must take place early in the morning and must be avoided during the hot hours of the day. Since **STRONG-N** has excellent chelating properties, apply prior to the application of other fertilizers for achieving better results.

Application Rate: Generally it is applied at the following application rate.

*Foliar application:* Dissolve well 1 l **STRONG-N** in 200-500 l of water and spray at a rate 5-10 l of product/ha depending on the crop.

*Soil application:* Dissolve well 1 l of **STRONG-N** in 100 l of water and apply at a rate 10 l of product/ha.

### STANDARD ANALYSIS

	(w/w)	(w/v)
Nitrogen (N)	7.00 %	8.40 %
Phosphorus (P <sub>2</sub> O <sub>5</sub> )	0.10 %	0.12 %
Potassium (K <sub>2</sub> O)	3.50 %	4.20 %
Calcium (CaO)	0.03 %	0.04 %

Magnesium (MgO)	0.02 %	0.02 %
Sulphur (S)	0.06 %	0.07 %
Iron (Fe)	0.30 %	0.36 %

#### **PHYSICAL PROPERTIES:**

Appearance:	Fine black fluid
Density:	1.2 g/ml
Solubility:	100% water soluble
pH:	10-11