

- Specification Sheet -**FORCE**

FORCE is a liquid condensed soil activator with 18% humic acids. It derives from selected leonardite deposits which have naturally high percentage in humic acids and are rich in macronutrients and micronutrients (K, Ca, Mg, Fe, Mn etc).

PROPERTIES AND USES:

- Increases the cation exchange capacity (CEC).
- Improves water retention.
- Fortifies nutrient retention.
- Promotes nutrient uptake.
- Corrects the soil pH which is changing due to the constant use of chemical fertilizers.
- Releases nutrients that were bound due to the increased water conductivity, by increasing their availability to the plants.
- Reduces nutrient leaching.
- Facilitates the air penetration in the soil which results in the better aeration of the root system.
- Stimulates the activity of the beneficial microbial population.

APPLICATION:

FORCE is applied mainly foliarly, by fertigation on the soil through all irrigation systems and also by drenching the roots and the seeds.

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

Foliar application: 0.75-3 l/ha or 5-15 l/ha

Soil application: 3.5-15 l/ha

Seed germination: 30-40 ml/10 l of water

Seed treatment: 1-1.5 l/100 kg of seed

Rooting: 4 ml/l of water

Root dipping: 150 ml/10 l of water

Hydroponics: 100-200 ml/100 l of nutrient solution

STANDARD ANALYSIS

	(w/w)	(w/v)
Nitrogen (N)	0.10 %	0.10 %
Phosphorus (P ₂ O ₅)	0.02 %	0.02 %
Potassium (K ₂ O)	2.58 %	2.76 %
Calcium (CaO)	0.08 %	0.08 %
Magnesium (MgO)	0.05 %	0.06 %
Sulphur (S)	0.03 %	0.03 %

Ferrum (Fe)	1204 ppm	1289 ppm
Manganese (Mn)	3 ppm	3 ppm
Copper (Cu)	3 ppm	3 ppm
Boron (B)	1 ppm	2 ppm
Molybdenum (Mo)	1 ppm	1 ppm

PHYSICAL PROPERTIES:

Appearance: Brown-black fluid
Density: 1.07 g/ml
Solubility: 100% water soluble
pH: 9.5-10.5