

# Condensed Liquid Soil Activator

# FORCE

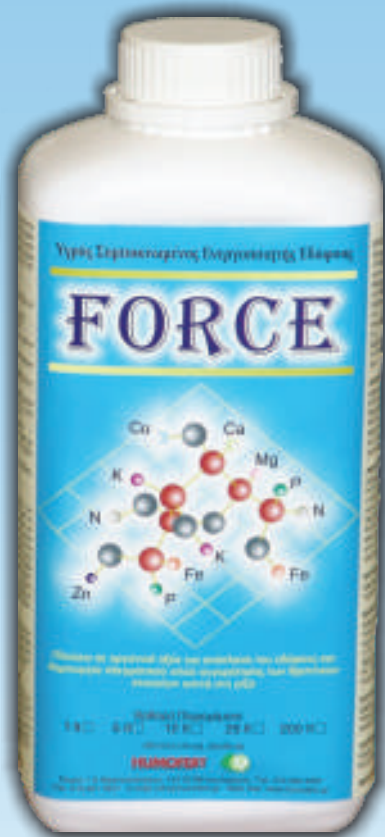
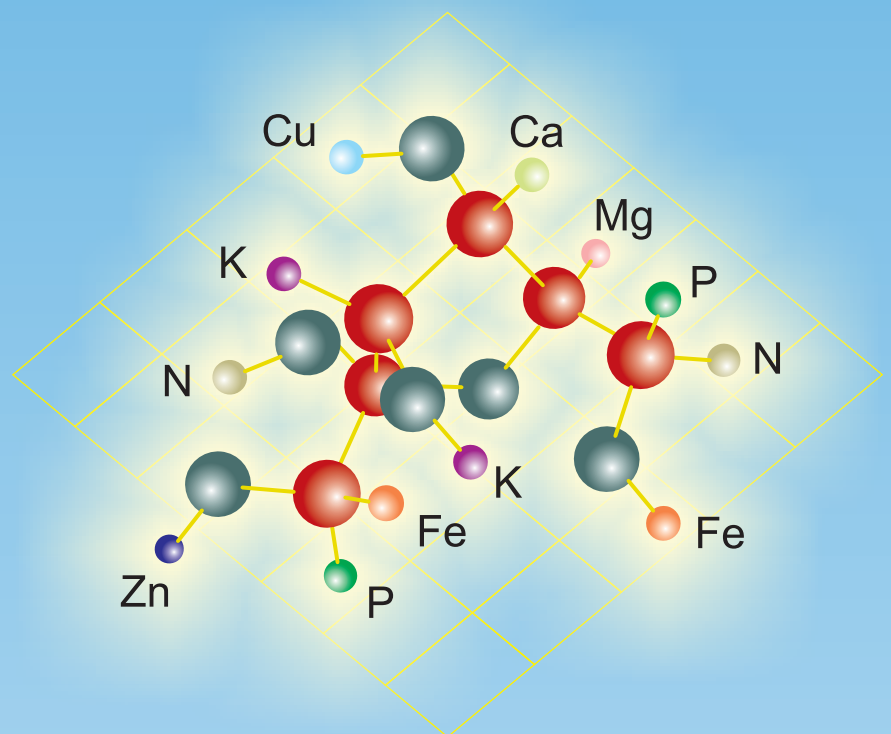
18%  
humic  
acids

## PROPERTIES

**FORCE** improves the following physicochemical and biological properties of the soil:

- Increases the cation exchange capacity (CEC).
- Improves water retention.
- Fortifies the retention of mineral nutrients.
- 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 and increases 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.

**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).



## HUMIC ACIDS

- Humic acids are formed by the degradation of the dead organic matter and are the main organic components of the soil.
- Humic acids improve the structure in all kinds of soil. In soils that are sandy and light they prevent water and nutrients losses, while in heavy and compact soils they improve the soil aeration.
- They neutralize both acid and alkaline soils. Consequently nutrients that were bound in the soil because of acid or alkaline conditions become now available.
- They retain water soluble fertilizers in the root zones and reduce their leaching.
- Last but not least, humic acids increase Cation Exchange Capacity (CEC) in the soil and improve the nutrient uptake.

## APPLICATION RATES - APPLICATION

### VEGETABLES - GREENHOUSE

Foliarly: Apply 1 or 2 times a week at an application rate 0.75-3l/ha.

Fertigation: Apply 1 or 2 times a week at an application rate 100-200 ml/100 l of water. Alternatively apply at a rate 5-15 l/ha 3-4 times every 10-20 days starting from planting or transplanting.

### TREES AND VINEYARD

Foliarly: Apply at an application rate 5-8 l/ha before blooming, at fruit set and at maturing. The dilution rate must not exceed 1:200.

Fertigation: Apply at an application rate 3.5-7 l/ha every 15 days throughout the growing season.

### ARABLE CROPS

Foliarly: Apply at an application rate 5-8 l/ha prior to blooming and at fruit set.

### LAWNS AND TURFS

Foliarly: Apply at an application rate 7-15 l/ha 1 or 2 times a week. The dilution rate must not exceed 1:200.



### FLOWERS AND ORNAMENTAL PLANTS

Foliarly: Apply 1 or 2 times a week at an application rate 75-100 ml/100 l of water. There is a risk of brown spots appearing on the flowers due to the solution. If this is disturbing, apply the product by fertigation.

Fertigation: Apply 1 or 2 times a week at an application rate 100-200 ml/100 l of water. Alternatively apply at a rate 5-15 l/ha 3-4 times every 10-20 days starting from planting or transplanting.

### NURSERY- TRANSPLANTING

Seed germination: Soak the seeds before sowing and then water the cubes of the substrate at an application rate 30-40 ml/10 l of water.

Seed treatment: 1-1.5 l/100 kg of seed in an appropriate amount of water.

Rooting: 4 ml/l of rooting water (watering after transplanting).

Spray: Mix at an application rate 1 l/250-400 l of water.

Root dipping: Dip the roots for 5-10 minutes before planting in a solution of a rate 150 ml/10 l of water.

### HYDROPONICS

Apply at a rate 100-200 ml/100 l of nutrient solution 1 or 2 times a week.

**HUMOFERT**

