



# IDROGRENA

Eco-organic liquid biostimulant  
Permitted in organic farming



### Recommended for:

Drought and water stress

Shortening recovery times and alleviating stress symptoms



### ORGANIC POLYAMINES

2-Phenylethylamine (2-PHE) 2,4 mg/kg  
Spermine 3,6 mg/kg

### MESO AND MICRO ELEMENTS

|                 |            |
|-----------------|------------|
| Boron (B)       | 0.1 mg/kg  |
| Calcium (Ca)    | 24.2 mg/kg |
| Iron (Fe)       | 22.5 mg/kg |
| Magnesium (Mg)  | 4.9 mg/kg  |
| Manganese (Mn)  | 0.1 mg/kg  |
| Molybdenum (Mo) | 0.04 mg/kg |
| Copper (Cu)     | 0.1 mg/kg  |
| Zinc (Zn)       | 1.5 mg/kg  |

### FEATURES

IDROGRENA is a fluid organic biostimulant with polyamines (2-PHE and Spermine). The effectiveness of the product is given by the rapid availability of organic compounds which can be immediately absorbed by the plant as well as by the useful microorganisms at root level. IDROGRENA is therefore considered ideal for use in foliar and irrigation applications (e.g. drip irrigation).

**The amines, once in contact with the roots, promote cellular reproduction and the issue of numerous secondary roots.** The distillation process makes it free of salts and creates no phytotoxicity. **IDROGRENA allows to perform many small applications** to continuously encourage sustained and balanced nutrition throughout the productive time of the plant.

If IDROGRENA is used preventively, it stimulates the immune system of plants, with an anti-parasitic effect. This curative effect of IDROGRENA is also expressed in a greater production of phytoalexins by the plant itself, making for a quick response against the attack of pathogens.

Polyamines in IDROGRENA perform key roles, including but not limited to:

- resistance to stress in transplanting, drought and water stress, and in the event of adverse climatic conditions (frost, hail), radical asphyxia, and weeding;
- increase of the Brix (°Bx) Grade – indeed, polyamines have been acknowledged as modulators of various “channel” receptors, such as that of potassium;
- encouraging pollinator insects (bees, butterflies, moths, beetles) to approach the plants.

When used as a carrier in weeding, IDROGRENA speeds up the process and allows for better control of the most resistant species, in particular Persian speedwell (*Veronica persica*), *Plantago* spp.

**Specific weight:** 1032 g/l

**Color:** cloudy

**Density:** watery fluid

**Packaging available:** 5 lt - 25 lt - 200 lt - 1000 lt

***Idrogrena, activates the micro-organisms in the soil. It is ideal in drip-irrigation or, where the system is not in place, in foliar application.***

| CROP   | APPLICATION* | TIMING*   | DOSAGE/HA*                                |
|--|--------------|---|---|
| Vineyards  | ✓            | pre-flowering to harvest every 20 days (min. 3 applications)          | 25 L/ha [diluted in 1000 liters of water] |
| Orchards (pome fruits, stone fruits, citrus fruits etc.) | ✓            | pre-flowering to harvest every 20 days (min. 3 applications)          | 25 L/ha [diluted in 1000 liters of water] |
| Olive groves   | ✓            | pre-flowering to harvest every 20 days (min. 3 applications)          | 25 L/ha [diluted in 1000 liters of water] |
| Greenhouse vegetable crops                               | ✓            | pre-flowering through the entire production cycle                     | 2 L/100 L water (2.5% dosatron)           |
| Open field vegetable and industrial crops                | ✓            | pre-flowering through the entire production cycle                     | 2 L/100 L water (2.5% dosatron)           |
| Soft fruits (blueberries, raspberries, currants)         | ✓            | pre-flowering through the entire production cycle                     | 2 L/100 L water (2.5% dosatron)           |
| Strawberries   | ✓            | pre-flowering through the entire production cycle                     | 25 L/ha [diluted in 1000 liters of water] |
| Soilless crops: strawberry, tomato                       | ✓            | pre-flowering through the entire production cycle weekly applications | 5-10 L/ha                                 |
| Extensively managed crops and oilseed crops              | ✓            | pre-flowering through the entire production cycle                     | 15 L/ha                                   |
| Corn, rice and grain cereals                             | ✓            | pre-flowering through the entire production cycle                     | 15 L/ha                                   |

\* guidelines only, for the correct use of our products, please consult a specialist.