

**MARINE** is a liquid organic fertilizer in natural hormonal factors (auxins, gibberellins, betains e.g.), amino acids, vitamins and micronutrients. **MARINE** contains extracts of marine plants collected from the clear and iodine abundant ocean waters. These marine plants have been properly processed in order to maintain active their ingredients which stimulate the biological processes of the plant cells and promote the plant growth.

#### PROPERTIES

**MARINE** interferes in the cellular functions of plants and achieves the following effects :

- Increased size of the cells and acceleration of mitosis.
- Promotion of the processes involved in the production of enzymes, sugars and proteins.
- Enhanced action of the osmotic regulatory substances into the cells.
- Delayed cell aging through the synthesis of antioxidants.
- Better nutrition of the plant tissues due to the increased nutrient bioavailability.
- Increased levels of chlorophyll.

#### BENEFITS

The regular use of **MARINE** in an integrated crop management program achieves the following results:

- ◆ Enhanced growth of both above and under ground part of the plants.
- ◆ More flowers and fewer losses due to blossom drop.
- ◆ Enhanced fruit set capacity.
- ◆ Increased production yield.
- ◆ Improved crop quality.
- ◆ Nutrient deficiencies are less likely to appear.
- ◆ Higher photosynthetic capacity which means more energy and therefore more vigorous plants.
- ◆ Reduced possibility of plant stress due to weather conditions (frost, drought).
- ◆ Fortification of the biological mechanisms of plants and fortified tolerance against various factors.
- ◆ Elongation of shelf life.

#### STORAGE-PRECAUTION

Keep it well sealed and stored in its original container. Protect it from frost and keep it out of direct sun light. Wash thoroughly your hands after handling. Harmful if swallowed. Avoid contact with skin and eyes. In case of contact, wash thoroughly your skin and eyes with plenty of water. Get medical attention if irritation occurs.

**KEEP OUT OF REACH OF CHILDREN**

Liquid Organic Fertilizer  
with marine plant extracts

# Marine



Rich in natural plant hormones,  
amino-acids, vitamins and micronutrients

#### Net Content

1L  5L  12L  25L  200L

Produced by



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#### APPLICATION RATES - APPLICATION

**MARINE** is suitable for foliar sprays, watering of the roots and dipping of the seeds, the roots and the cuttings according to the following application rates:

**FRUIT TREES - NUT CROPS - OLIVE:** Apply 8-10 l/ha foliarly or 20-40 l/ha by fertigation 3-4 times per year (before blooming, at fruit set, at young fruit and prior to harvest).

**VINEYARD:** Apply 10 l/ha foliarly or 20-40 l/ha by fertigation at the start of new growth, prior to blossom, at berry set, at berry sizing and 20-30 days before harvest.

**CITRUS:** Apply 10-15 l/ha foliarly or 20-40 l/ha by fertigation prior to blossom, at full bloom and at fruit sizing.

**STRAWBERRY:** Apply 10-15 l/ha foliarly or 20-40 l/ha by fertigation at first blossom and after that every 2-3 weeks during harvest.

**LEAFY VEGETABLES:** Apply 2.5-5 l/ha foliarly 3-4 times from the first leaf true stage until harvest.

**REST VEGETABLES:** Apply 5-10 l/ha foliarly or 20-40 l/ha by fertigation at the 15-20 cm stage, prior to blossom, at fruit set, 15 days after fruit set and after every harvest.

**FLOWERS:** Apply 5-10 l/1000 l water foliarly or 20-40 l/ha by fertigation throughout the growing period until the bud emergence.

**ORNAMENTALS:** Apply 5-10 l/1000 l water foliarly or 20-40 l/ha by fertigation every 10-15 days starting from the vegetative growth stage (2-3 applications totally).

**CEREALS:** Apply 2.5-5 l/ha foliarly at the 10-20 cm stage and at blossom or at the initial growth stages of the ear.

**POTATO:** Dip the tubers before sowing in a solution of 0.8-1 l/50 l water. Apply 2-5 l/ha foliarly or 20-40 l/ha by fertigation at tuber formation, 10-15 days later and at pre-blossom.

**FODDER:** Apply 5-10 l/ha foliarly after each cutting.

**CORN:** Apply 5-10 l/ha foliarly at 10-15 cm growth, at 25-35 growth and just prior to tasseling.

**RICE:** Apply 5 l/ha foliarly at the 3 to 4 leaf stage and at panicle initiation.

**TOBACCO-BEETS:** Apply 10 l/ha foliarly or 20-40 l/ha by fertigation every 10-15 days starting from the true leaf stage (3-4 applications totally).

**COTTON:** Apply 5-10 l/ha foliarly or 20-40 l/ha by fertigation at blossom initiation and 7-10 days later.

**LAWN:** Apply 5-10 l/ha foliarly every 20-25 days throughout the growing season.

**Nurseries:** 0.8 - 1 l/100 l of water.

**Seed dipping:** 0.8 - 1 l/50 l of water. (Let the seed dry well)

**Root dipping:** In a solution of 0.8 - 1 l/50 l water during transplanting.

**Dilution rate for foliar sprays:** 1 l/100-200 l of water.

#### COMPATIBILITY

**MARINE** can be mixed with all fertilizers as well as with the most herbicides, insecticides and fungicides. It must NOT be mixed with oil formulations. At any case a compatibility test is always recommended before mixing in the tank.

**SHAKE WELL BEFORE ANY USE**