

F1



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EC FERTILIZER - NPK fertilizer solution Boron (B), Copper (Cu), Iron (Fe), Manganese (Mn), Zinc (Zn) 12-12-6

F1 is a liquid fertilizer, highly efficient and effective, due to the content in the formulation of wetting and carrying substances, which ensure an optimal and prolonged nutrients absorption, including *Phosphorus*, known to be barely assimilable via foliar applications.

F1 is particularly fit for the first stages of plant growth as well as when the plants are subject to stresses that limit the roots' absorption, enabling an optimal vegetative growth restart, thanks to the high and balanced content of *Nitrogen* and *Phosphorus*.

F1 is characterized by:

- *Wetting and carrying substances*, which ensure complete and prolonged nutrients absorption, even at low temperatures.
- *Buffering substances*, which improve water quality, correcting pH and hardness.
- *Lack of nitrates*, which often cause strength excess, unbalancing plants.
- *Lack of chlorides*, threat for some vegetables and flowers.



ADVANTAGES

Improvement in fruits development and growth.

Induction of a better coloring in plant tissues.

Increase in yield.

Physiological disorders in Citrus prevention and cure.



COMPOSITION

Total Nitrogen (N)	12%
- Ammoniacal Nitrogen (N)	2%
- Ureic Nitrogen (N)	10%
Phosphorus pentoxide (P₂O₅) soluble in water	12%
Potassium oxide (K₂O) soluble in water	6%
Boron (B) soluble in water	0,05%
Copper (Cu) chelated with DTPA	0,02%
Iron (Fe) chelated with DTPA	0,03%
Manganese (Mn) chelated with DTPA	0,02%
Zinc (Zn) chelated with DTPA	0,01%



PHYS-CHEM PARAMETERS

Density	1,27 kg/L
pH (sol. 10%)	7,8
Chelating Agent	DTPA
Optimal pH for stability of the Chelated fraction	4-8



PACKAGE

Bottle	12x1 kg (= 12x0,79 L)
Can	4x5 kg (= 4x3,94 L)

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APPLICATION RATES

CROPS	APPLICATION
FOLIAR SPRAY: 200-300 mL/hL for standard water volumes, 1 L/hL for low volume spray.	
Orchards	Apply on Stone fruits and Pome fruits during the first stages of vegetative growth restart, to allow a good nutrients uptake during flowering and fruits setting stages, usually characterized by low temperatures, frosts and water stagnation that prevent a regular roots uptake.
Grape	Apply on grapes especially in nurseries and vine cutting , when roots are not completely developed yet. On already established plants, applications favor shoots development during pre-flowering stages, on frozen and poor soils. Apply 2-4 times.
Industrial crops (Tomato, Beets, Potato, Green peas, Corn, Cereals)	F1 increases crops' development and lushness, thanks to nutrients' uptake. Furthermore, if applied together with fungicides, insecticides and herbicides, F1 enables a higher pesticide efficacy thanks to its sticking and wetting properties.
Vegetables and Flowers	The nitrates absence is really important in vegetables production as residues can jeopardize consumers' health. The balanced composition between micro- and macro-elements allows a harmonic and luxuriant plants growth, combining yield quality and quantity. For some vegetables and flowers, the absence of chlorides is essential. It is suggested to apply 300-400 mL/10 L of water, every 10-15 days , starting 1 week after transplanting , in order to obtain a good growth and long-lasting flowering.
Citrus and Olive Tree	Apply together with pesticides to pass water stresses and increase their efficacy.
Turf and Lawn	F1, applied together with the standard treatments for turf, improving their efficacy, has a fortifying effect on the lawn and, thanks to the organic matter, feeds the soil microbiota, contrasting diseases development.



TECHNICAL NOTES

Do not mix with Acid or Alkaline-reaction products.



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