

# A SOLUTION FOR EVERY NUTRITIONAL NEED



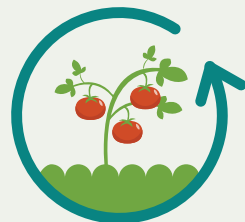
## PLANTAFOL 30.10.10

It favours and supports the growth of plants during vegetative stages and fruit growth.



## PLANTAFOL 10.54.10

The high phosphorus content helps the plant during flowering and fruit setting. Applied before and during these phases it reduces excessive vegetative vigour.



## PLANTAFOL 20.20.20

It represents the balanced formula suitable for most of development stages of the plant.



## PLANTAFOL 5.15.45 PLANTAFOL 0.25.50

The high potassium content improves and promotes efficient ripening and quality of the fruits. The product is recommended during the fruit growth phase until ripening.

## CHEMICAL AND PHYSICAL CHARACTERISTICS

Product	Formulation	pH (1% solution)	Color	Solubility g / 100mL (20°C)	Conductivity E.C. -1‰ (mS / cm) 18°C
PLANTAFOL 20.20.20	Soluble crystals	4,5	white	30,0	0,68
PLANTAFOL 30.10.10	Soluble crystals	4,8	white	40	0,62
PLANTAFOL 10.54.10	Soluble crystals	4,5	white	30	0,80
PLANTAFOL 5.15.45	Soluble crystals	6,3	white	10	1,25
PLANTAFOL 0.25.50	Soluble crystals	7,47	white	30	1.33

## DIRECTIONS FOR USE

METHOD OF APPLICATION	CROP	PERIOD OF APPLICATION	DOSAGE
Foliar application	Fruit crops	During the crop cycle	2,5 - 4,0 Kg / ha
	Horticultural crops	During the crop cycle	2,5 - 3,5 Kg / ha
	Flower crops	During the crop cycle	150 - 250 g / hl



**PLANTAFOL 10.54.10**  
Bag 5-25 Kg

**PLANTAFOL 30.10.10**  
Bag 1-5 Kg

**PLANTAFOL 5.15.45**  
**PLANTAFOL 20.20.20**

Bag 1-5-25 Kg

**PLANTAFOL 0.25.50**  
Bag 5-25 Kg



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The PLANTAFOL® line consists of foliar fertilizers with high solubility and rapid and complete absorption within the leaves. The different formulations based on nitrogen, phosphorus, potassium and EDTA chelated micronutrients meet the nutritional needs of all crops in each phenological stage, ensuring high production and quality levels.

[www.valagro.com](http://www.valagro.com)



# PLANTAFOL® PRECIOUS NUTRIENTS FOR ALL PLANTS





## WHAT IS PLANTAFOL?

**Plantafol** is a line of **foliar fertilizers** characterised by **high solubility** and **rapid and complete absorption** within the leaves. All products contain EDTA chelated micronutrients and can be mixed with the most common phytosanitary products.

The line offers four specific solutions that are distinguished by the different ratios of nitrogen, phosphorus and potassium, and are able to:

- Support the growth of crops in every stage of production
- Ensure high levels of production and quality

## FOLIAR FERTILISATION

Foliar fertilisation is a technique for administering fertilisers that exploits the ability of plants to absorb water and the minerals dissolved in it through the epidermis and stomata of the leaves. The application of fertiliser at leaf level is particularly suitable in cases where the productive potential of the plant is compromised or where it needs to be increased. The results are very clear when this application technique is used to supplement fertilisation on the ground, to stimulate plants subjected to environmental and physiological stress and to prevent or treat nutritional deficiencies.



## FOLIAR FERTILISATION'S EFFECTS ON CROPS

PHYSIOLOGICAL EFFECTS	AGRONOMIC EFFECTS
Increase of leaf development	Greater plant vigour
Increase of photosynthesis and respiratory processes	Overcome environmental stress
Direct supply of the nutrients to the areas of greatest use	Overcome nutritional deficiencies
Administration of nutrients for nutritional deficiencies' treatment	Increase of sugar content
Increase of nutritional reserves in the tissues	Better organoleptic qualities
Supplements roots nutrition in case of poor conditions of the elements' absorption	Better fruit colouration
Influence on the plants' water balance	Stimulates buds' nutrition for the following year

## WHY CHOOSE PLANTAFOL?

IT IS MADE ONLY FROM CAREFULLY SELECTED RAW MATERIALS

COMPATIBLE WITH MOST CHEMICAL PRODUCTS FOR AGRICULTURE



ENSURES OPTIMAL GROWTH AND PRODUCTION

IT IS ENRICHED WITH EDTA CHELATED MICROELEMENTS

COMPLETE AND FAST SOLUBILITY

## NUTRITIONAL ELEMENTS

Depending on the quantities required for each plant growth phase, nutrients can be classified as macro-elements (N, P and K needed in large quantities), meso-elements (Ca, Mg and S needed in limited quantities comparing to macro-elements) and micro-elements (Fe, Mn, B, Zn, Mo and Cu needed in small amounts but essential for a balanced plant nutrition).

The correct combination of macro, meso and microelements provides an essential contribution to plants for their growth and nutritional status.

## THE PRODUCTS OF PLANTAFOL LINE

Product	(N) total	(N) nitric	(N) ammonia	(N) urea	P	K	B	Cu	Fe	Mn	Zn
PLANTAFOL 20.20.20	20,0	4,0	2,0	14,0	9,0	17,0	0,02	0,05	0,1	0,05	0,05
PLANTAFOL 30.10.10	30,0	3,0	3,0	24,0	4,0	8,0	0,02	0,05	0,1	0,05	0,05
PLANTAFOL 10.54.10	10,0	-	8,0	2,0	24,0	8,0	0,02	0,05	0,1	0,05	0,05
PLANTAFOL 5.15.45	5,0	5,0	-	-	7,0	37,0	0,02	0,05	0,1	0,05	0,05
PLANTAFOL 0.25.50	-	-	-	-	10,9	41,5	0,02	0,05	0,1	0,05	0,05

Cu, Fe, Mn and Zn are chelated with EDTA



Valagro is a leader in the production and commercialization of biostimulants and specialty nutrients. Founded in 1980 and headquartered in Atesa (Italy), Valagro is committed to providing innovative and effective solutions for plant nutrition and care. Its mission is to increase the quantity and quality of plants and harvested crops while enhancing productivity and reducing the environmental impact of cultivations.

**Valagro uses science in the service of mankind to improve nutrition and quality of life while respecting the environment.**



## INNOVATION ACCORDING TO GEAPOWER

Using science to seize and exploit the potential of Nature with an eye to environmental sustainability:

This is the principle behind GeaPower, the exclusive technology platform developed by Valagro in order to turn potential active ingredients into high-quality nutrient solutions. A technology based on four fundamental concepts:



Deep knowledge of active ingredients and raw materials



Selection of the extraction methods of active ingredients



Advanced Screening and investigation technologies.



Proven ability to provide effective solutions to the customer's requirements