

THE HIGH QUALITY OF RAW MATERIALS

WHY MASTER LINE IS DIFFERENT FROM THE COMMON WATER-SOLUBLE FERTILIZERS

CONCEPT STORE

DIFFERENT TYPES OF AMMONIUM SULFATE AND ITS EFFECTS ON SOLUBILITY

The ammonium sulphate may appear darker due to the presence of tar or other substances that easily hinder the solubility of the product.

Valagro uses only technical ammonium sulphate, which is white and completely pure and soluble.



AMMONIUM SULPHATE Industrial production waste	AMMONIUM SULPHATE (COMPETITOR)	AMMONIUM SULPHATE Technical product (VALAGRO)	AMMONIUM SULPHATE Industrial production waste	AMMONIUM SULPHATE (COMPETITOR)	AMMONIUM SULPHATE Technical product (VALAGRO)
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DIFFERENT TYPES OF UREA (THE IMPORTANT OF THE GRANULE'S SIZE)

The Urea uses in all Master products comes from raw materials in crystalline formulation (not microgranular) in order to avoid any negative effects both on solubility and physical homogeneity of the product.



Common UREA prilled	UREA micro-prilled (VALAGRO)
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DIRECTIONS FOR USE

METHOD OF APPLICATION	CROP	PERIOD OF APPLICATION	DOSAGE
	Fruit crops	During the crop cycle	0,5 - 1,5 Kg/1000 m ² a day
	Horticultural crops	During the crop cycle	5 - 15 Kg /1000 m ² every 10 days
	Flower crops	During the crop cycle	

Cautions: For non-daily fertigation, the dose must be increased in proportion to the number of days between one application and the next (ex, 5-15 kg/1000 m² every 10 days).



MASTER LINE
Bag 25 Kg
MASTER 15.5.30+2
MASTER 20.20.20
Bag 10 Kg

MASTER®

THE BEST YOU GIVE THE BEST YOU GET



Valagro®
Where science serves nature

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POWERED BY
GEARPOWER

MASTER® is a full range of water-soluble microcrystalline fertilizers with a complete and fast solubility. The high and certified quality of the raw materials used in the different formulations guarantee the nutritional needs of all crops, in each phenological stage and in any type of soil, ensuring a significant increase of quality and quantity of production.

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WHAT IS MASTER LINE?

Master is a full range of **water-soluble microcrystalline fertilizers** with a complete and fast solubility and which can be used with the most advanced fertigation systems.

The different formulations guarantee the nutritional needs of all crops during each phenological stage and in any type of soil assuring improved yields and quality.

MACRO AND MICRONUTRIENTS

Depending on the required amounts for each plant growth phase, the 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 in relation to the macro-elements) and micro-elements (Fe, Mn, B, Zn, Mo and Cu needed in small quantities 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 IMPORTANCE OF NUTRIENTS

NITROGEN (N)

It stimulates cell multiplication and the creation of young tissues, allowing plant development and increasing productivity.

PHOSPHORUS (P)

It carries out a structural, energetic and enzymatic role. In particular, it accelerates the ripening of fruit, enhances root development and improves blossoming.

POTASSIUM (K)

It is an enzyme activator and regulates the process of photosynthesis. It is responsible for the size and quality of fruit and vegetables, and improves their organoleptic properties.

MAGNESIUM (Mg)

It constitutes the central atom of chlorophyll, assuming an important role in photosynthesis. It positively influences the colour of flowers, fruits and vegetables.

MANGANESE (Mn)

It is necessary for the synthesis of chlorophyll and proteins. It prevents yellowing of the leaves.

IRON (Fe)

It stimulates the growth of shoots and leaves. Because of its poor availability, its lack is very common in many plants.

BORON (B)

It influences the vital physiological processes of the plant and stimulates fruiting and pollen germination. It promotes large fruits.

COPPER (Cu)

It is a polyvalent element that plays an active part in oxidation-reduction phenomena and is a constituent of important enzymes.

ZINC (Zn)

It is involved in the formation of chlorophyll and hormones that regulate the growth of plants. It gives plants resistance to frost and drought.

WHY CHOOSE MASTER?

PRODUCED WITH HIGH QUALITY RAW MATERIALS

IT IS COMPLETELY FREE FROM SODIUM, CHLORINE AND CARBONATES

IT IS ABSOLUTELY SAFE FOR CROPS

COMPLETE AND FAST SOLUBILITY

IT IS ENRICHED WITH EDTA CHELATED MICROELEMENTS

THE PRODUCTS OF MASTER LINE

Product	(N) total	(N) nit.	(N) amm.	(N) urea	P ₂ O ₅	K ₂ O	MgO	SO ₃	B	Mn	Zn	Cu	Fe
MASTER 20.20.20	20,0	5,6	4,0	10,4	20,0	20,0	-	-	0,02	0,03	0,01	0,005	0,07
MASTER 18.18.18+3	18,0	5,1	3,5	9,4	18,0	18,0	3,0	6,0	0,02	0,03	0,01	0,005	0,07
MASTER 13.40.13	13,0	3,7	9,3	-	40,0	13,0	-	-	0,02	0,03	0,01	0,005	0,07
MASTER 15.5.30+2	15,0	8,4	3,6	3,0	5,0	30,0	2,0	-	0,02	0,03	0,01	0,005	0,07
MASTER 17.6.18	17,0	5,0	12,0	-	6,0	18,0	-	-	0,02	0,03	0,01	0,005	0,07
MASTER 19.6.6	19,0	1,7	17,3	-	6,0	6,0	-	-	0,02	0,03	0,01	0,005	0,07
MASTER 3.37.37	3,0	3,0	-	-	37,0	37,0	-	-	0,02	0,03	0,01	0,005	0,07
MASTER 20.5.10+2	20,0	7,5	12,5	-	5,0	10,0	2,0	-	0,02	0,03	0,01	0,005	0,07
MASTER 3.11.38+4	3,0	3,0	-	-	11,0	38,0	4,0	25,0	0,02	0,03	0,01	0,005	0,07

The Master line is enriched with EDTA chelated micronutrients, such as EDTA-Fe, EDTA-Cu, EDTA-Mn, EDTA-Zn



Valagro is a leader in the production and commercialization of biostimulants and specialty nutrients for use in agriculture, gardening, and industrial applications. Founded in 1980 and headquartered in Atessa (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.



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



Cutting edge investigations and analytical skills



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