

SIAPOR®

CHALLENGE®

ORGANO-MINERAL FERTILIZER
NPK (MgO) 5-12-12 (2) with Zinc (Zn)

It is an NPK organo-mineral fertilizer with magnesium and zinc, particularly suitable on extensive crops such as **wheat, corn, sugar beet**, in soils with low potassium level; it is advised to meet the increased needs of phosphorus and potassium required by young plants nursery: **vineyard, fruit trees, citrus**, etc.

It speeds up the responsiveness of roots and crops starting in the early stages of the growing period.

SIAPOR CHALLENGE, with POTASSIUM CHLORIDE, should be used on any crops less sensitive to salinity, preferably checked through analytical controls.

NPK, Mg and Zn nutritive units, while reacting with the humified organic matter (humic and fulvic acids and humins), acquire a considerable degree of protection thus allowing an optimal agronomic yield.

This allows:

- high and extended nutrient availability for the entire crop cycle;
- reduction of losses due to insolubility, leaching and evaporation;
- flexibility of the fertilizing cycle with the option of applying it before the normal period of nutritional use;
- saving of fertilizer usage

The addition of meso and micro-elements can raise important physiological processes:

MAGNESIUM optimizes the photosynthetic cycle and the phosphate metabolism.

ZINC is an active element in many enzyme systems: it encourages the auxin growth, directly affects the nitrogen metabolism and the phosphorus absorption, beneficially fostering crop growth in the early vegetative stages.

LARGE AMOUNT
OF
HUMIFIED ORGANIC CARBON
(HUMIC AND FULVIC CARBON)



- **Packaging**
500 Kg
- **Shape**
Minipellets
- **NPK ratio**
1 : 2,4 : 2,4

Manufactured by



Unimer S.p.A.

via F. Turati, 28 - Milano

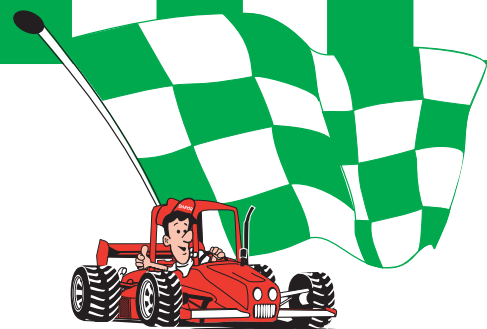
Approval Number:
Plant of Vidor:
ABP1193UFERT2
Plant of Arquata del Tronto:
ABP1177UFERT2



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**ORGANO-MINERAL FERTILIZER
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COMPOSITION	
N total	5%
N organic	1,2%
N ammoniacal	3,8%
P ₂ O ₅ total	12%
P ₂ O ₅ neutral amm. citrate and water soluble	10%
P ₂ O ₅ water soluble	5%
K ₂ O water soluble	12%
MgO total	2%
Zn total water soluble	0,01%
Organic Carbon (C)	15%
Humic and fulvic Carbon (C)	3,5%

• **Mineral fertilizers**

NP 18-46 (diammonium phosphate), triple superphosphate, potassium chloride, phosphatic scraps, potassic scraps.

• **Organic components**

Dried cattle and horse manure, dried poultry manure, humified peat, green composted soil conditioner.

DOSES BY CROP		
CROP	DOSE	USE
	400-600 kg/ha	Wheat, Barley and Oat: At the pre-sowing stage, with placement underground.
	500-600 kg/ha	Corn, Sorghum: In the pre-sowing stage, with placement underground, at the end of winter.
	500-600 kg/ha	Beet: With placement underground, before winter.
	400-600 kg/ha	Sunflower: With placement underground, before winter.

Reference guidelines for individual crops are purely illustrative and are changeable, in relation to the needs, the fertility levels and the provisions of various regulations.

Organic fertilizers or soil conditioners: feeding farmed animals with herbage plants, or being taken across the pasture after the harvest is forbidden for at least 21 days after the application.

EUH210 - Safety data sheet available upon request.

Do not dispose packaging in the environment.

Avoid contact with eyes and skin.

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