PRODUCT INFO & DATASHEET

NPK 28-7-14 + 2MgO + CTE

HIGH PERFORMANCE (HP) water soluble crystalline fertiliser

- E.C. Fertiliser -

Recipe 22120101 Code nr. 13 - 09/05/2023

1/ PRODUCT SPECIFICATIONS

Typical chemical analysis			
Total Nitrogen	N	%	28.0
Nitric Nitrogen	$N\text{-}NO_3$	%	4.2
Ammoniacal Nitrogen	$N\text{-}NH_4$	%	1.3
Ureic Nitrogen	$N\text{-}NH_2$	%	22.5
Phosphorus pentoxide, water soluble	P_2O_5	%	7.0
Phosphorus pentoxide, soluble in neutral ammonium citrate and in water	P_2O_5	%	7.0
Potassium oxide, water soluble	K_2O	%	14.0
Magnesium oxide, water soluble	MgO	%	2.4
Sulphur trioxide, water soluble	SO_3	%	4.9
Chelated trace elements			
Total Boron, soluble	B	%	0.010
Total Copper	Cu	%	0.003
Copper chelated by EDTA	Cu EDTA	%	0.003
Total Iron	Fe	%	0.082
Iron chelated by EDTA	Fe EDTA	%	0.082
Total Manganese	Mn	%	0.030
Manganese chelated by EDTA	Mn EDTA	%	0.030
Total Molybdenum, soluble	Mo	%	0.003
Total Zinc	Zn	%	0.059
Zinc chelated by EDTA	Zn EDTA	%	0.059
Other parameters			
Low in chloride			
EC 1g/l (0.1%)		mS/cm	0.6
Water soluble fertiliser			
Appearance			red crystalline
pH range in which a good stability of the chelated fraction is guaranteed:			
Fe-EDTA pH		pH	1.5 - 6.5
Cu-EDTA, Mn-EDTA, Zn-EDTA		pH	3.5 – 10.0

2/ GENERAL RECOMMENDATIONS FOR USE

HP NPK's are fully water soluble fertilisers and hence suitable for fertirrigation and foliar applications.
As foliar fertiliser: use 2-6 kg/ha in 200-1000 litres of water. Apply when deficiency symptoms occur and repeat 2 - 3 times.
In fertigation: use 2 gr/l in irrigation water. Apply shortly before stage of strong growth and repeat the application.
The above recommendations should be adapted depending on differences in climate, soil temperature, application and irrigation system. Furthermore: the number of applications, the quantity per ha as well as the interval times may vary regarding the culture types and the formulations. Please consult your local dealer or a qualified agronomist.

3/ HOW TO APPLY ?

- Add HP NPK gradually to the water filled mixing tank, while stirring the solution.
- Solubility is affected by water temperature, which we recommend to be at 20 °C.
- In case of mixing different products with HP NPK, always add first HP NPK and other products afterwards.
- Do not mix with products based on calcium.
- When mixing with pesticides for the first time, test on a small scale before general use.
- For foliar feedings: apply during the coolest time of a hot day (in the evening) and the warmest time of a cool day ideally not in temperatures above 27 °C.
- Stir well before application
- Use not less than 400 litres of spray liquid per ha.
- In general, avoid application during flowering.

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- The use of wetting agents may improve effectiveness (please consult us). It is important to know the pH of the irrigation water. Our SICO PENETRATOR agricultural spraying water conditioner combats medium and high pH water and neutralises unwanted ions such as calcium, magnesium and bicarbonates. Please ask for our literature.

4/ STORAGE CONDITIONS

- Store dry & cool, away from direct sunlight, in well-ventilated warehouse & area.
- Highly soluble products are very hygroscopic: protect the products from humidity during handling & storage.
- Keep bags well closed, away from children.

5/ TOLERANCES AND DEVIATIONS ALLOWED AS PER EU REGULATIONS.

Methods of sampling and of analysis and analysis tolerances & deviations allowed as per E.C. regulations.
The E.C. methods of sampling & analysis, allowed tolerances & regulations etc. can be found on internet http://ec.europa.eu/enterprise/chemicals/legislation/fertilizers/index_en.htm. Also tolerances on analysis are as per regulation (EC) nr. 2003/2003 of the European Parliament and of the Council of 13 October 2003 relating to fertilisers.

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