



## HORTIPRAY® POTASSIUM NITRATE 13-0-46

### DESCRIPTION

<b>Product Function Category (PFC)</b> Compound solid inorganic macronutrient fertiliser PFC 1(C)(I)(a)(ii)		<b>Date effective - edition</b> July, 2022 - 01
<b>General Description</b> NK fertiliser 13-46 Hygroscopic white powder. Risk of caking.		<b>Grade</b> Horticultural grade
<b>Granulometry</b> Powder. 90 % of the product passes through sieve of 1 mm.		
<b>Ingredients, CAS number &amp; Component Material Category (CMC)</b> Potassium nitrate <sup>1</sup> (CAS n°: 7757-79-1) - <sup>1</sup> Virgin material substances and mixtures (CMC 1)		
<b>Formula</b> KNO <sub>3</sub>	<b>EC number</b> 231-818-8	<b>Molecular weight</b> 101
<b>Declared nutrients</b> 13.7% Total nitrogen (N) 13.7% Nitric nitrogen (N) 46.2% Potassium oxide (K <sub>2</sub> O), water-soluble		<b>Transport</b> Class 5.1 UN 1486 Packing Group III (E)

### PRODUCT CHARACTERISTICS

Chemical properties	Unit	Typical analysis	Specifications	Methods
K <sub>2</sub> O	%	46.2	45.3 - 46.3	Calculation
K	%	38.3	37.6 - 38.4	ASTM 2011 vol 11.01 D4192-08
N	%	13.7	13.0 - 13.8	Standard method*
pH		6.0 - 8.0	4.0 - 9.0	
Water insolubles	%	0.01	0.05 Max.	AOAC 2005, 18th Edition, Method 925.55 - C
<b>Physical properties</b>				
Bulk density tapped	kg/cm <sup>3</sup>	1.1 - 1.2	1.1 - 1.2	-

\* Standard method for the Examination water & waste water 21st edition (4 - 120)

### THEORETICAL VALUES

Solubility	240 g/L water @ 20°C
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### STORAGE & SHELF LIFE

Store in a dry, cool and well-ventilated place. Keep packaging closed when not in use. Keep away from combustible material. Keep away from naked flames/heat. Keep away from sources of ignition.  
Best before: 3 years after production date in appropriate storage conditions.





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### MAIN APPLICATIONS

- Horticulture
- Water soluble fertiliser for fertigation, hydroponics and vertical farming
- Provide nutrients for plants
- Ingredient of NPK blends
- Foliar application, flower inducement, winter breaking dormancy

<b>Plant location</b>	Jordan
<b>Packaging types</b>	Big bags of 500 kg net and 1200 kg net – Bags of 25 kg net
<b>Handling precautions</b>	See SDS

### USE

Instructions for use and application rates: For professional use only. Application rate depends on crop conditions. Farmers are advised to contact their advisor to determine the recommended application rate for their specific situation.

### CERTIFICATIONS

ISO 9001 (Quality)

### REGULATIONS

Meets the requirements of current Regulation (EU) 2019/1009 of the European Parliament and of the Council on the making available on the market of EU fertilising products

### MISCELLANEOUS

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### VALIDITY

Subject to modification of the formulation of the product, the manufacturing process or the regulations, the validity of this sheet is 3 years.

