

## Potassium Nitrate (KNO<sub>3</sub>)

Potassium nitrate (KNO<sub>3</sub>) is a soluble source of two major essential plant nutrients. It's commonly used as a fertilizer for high-value crops that benefit from nitrate (NO<sub>3</sub>) nutrition and a source of potassium free of chlorides. potassium nitrate fertilizer (sometimes referred to as nitrate of potash or NOP by reacting potassium chloride (KCl) with a nitrate source. Depending on the objectives and available resources, the nitrate may come from sodium nitrate, nitric acid or ammonium nitrate. The resulting KNO<sub>3</sub> is identical regardless of the manufacturing process. Potassium nitrate is commonly sold as a water-soluble, crystalline material primarily intended for dissolving and applying with water or in a prilled form for soil application. Traditionally, this compound is known as saltpeter.

Parameters	Result
Total Nitrogen (all in Nitrate form), Min	13.00%
Water soluble Potash (as K <sub>2</sub> O), Min	45.00%
Water Solubility (20°C)	316g/L
Solution pH	7 to 10

### Applications

- 1) Since N and K are specially structured and designed, this will give excellent growth in all the stages of crop namely seedling stage, vegetative stage, reproductive stage, and ripening stage.
- 2) As a supplement during the growing season
- 3) A diluted solution is sometimes sprayed on plant foliage to stimulate physiological processes or to overcome nutrient deficiencies.
- 4) It's also commonly used for greenhouse plant production and hydroponic culture.

### Advantages

- 1) High quality source of nitrogen and potassium and Chlorine-free
- 2) Fully water-soluble crystalline product
- 3) Ideal for use as foliar feed, in fertigation or as an ingredient in NPK formulations

### Packing

Shipped in 800 to 1000 kg Jumbo bags or 25 kg, 50 kg small bags or in covered self-unloading hoppers.

### Storage

- 1) Prevent moisture absorption, keep away from heat, keep in air well-ventilated area.
- 2) Do not contact with acids and alkaline substances, protect from dust.
- 3) Ensure bags are sealed and in good condition.



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## COMMENTS

Typical chemical and physical properties do not constitute product specifications and are not guaranteed or warranted. These properties are provided for informational purposes only.

## PLEASE OBTAIN A PRODUCT SAFETY DATA SHEET FOR MORE INFORMATION.

This product's Safety Data Sheet ("SDS") contains essential environmental, health, and safety information concerning its handling and storage. This product's most current version of the SDS can be obtained by contacting a Buoyancy General Trading LLC representative.

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