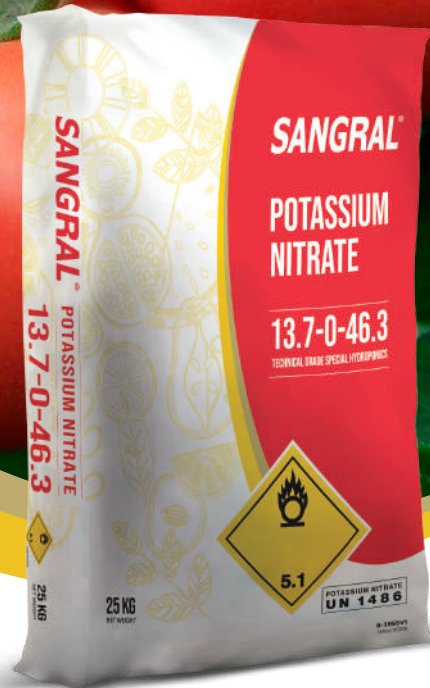


**Premium
products**
for premium crops



SANGRAL®

POTASSIUM NITRATE



Sangral® Potassium Nitrate is the ideal potassium source to grow outstanding crops with additional supply of directly available nitrogen in the form of nitrate.

Sangral® Potassium Nitrate is a free flowing, fine, crystalline powder of potassium nitrate, which quickly dissolves in water. It is virtually free of chloride and mixable with all water-soluble nutrient sources.

This makes Sangral® Potassium Nitrate the most all-round and the most efficient water-soluble K-source of its kind.

Potassium

An essential nutrient for yield and quality

- Promotes the production of proteins
- Promotes photosynthesis
- Intensifies the transport and storage of carbohydrates
- Improves uptake efficiency of N fertilizers
- Improves water use efficiency
- Promotes lycopene synthesis

Nitrate

The preferred nitrogen source

- Non-volatile
- Promotes the uptake of cations (K^+ , Ca^{++} , Mg^{++})
- Nitrate is readily absorbed by the plant
- Nitrate limits the uptake of chloride
- Efficient conversion to amino acids in the leaves

Advantages of Sangral® Potassium Nitrate

- Sangral® Potassium Nitrate covers potassium requirements of a crop without supplying excess sulphate or chloride. It is the most suitable K-source under alkaline and saline conditions.
- Sangral® Potassium Nitrate contains nitrogen in nitric form, the most efficient nitrogen source for plant growth. Nitrate is non-volatile and enhances the uptake of potassium (K^+) together with other essential cations like calcium (Ca^{++}) and magnesium (Mg^{++}). The use of potassium nitrate is indispensable to increase the nitrate (NO_3^-)/ammonium (NH_4^+) ratio which positively affects plant performance during all growth stages.
- Due to its high K/N ratio, Sangral® Potassium Nitrate provides an optimum source for balanced potassium and nitrogen nutrition during a plant's generative production phases.
- Sangral® Potassium Nitrate can be mixed with all water-soluble fertilizers and dissolves quickly in water.

Properties of Sangral® Potassium Nitrate



Sangral® Potassium Nitrate is an indispensable component in well-balanced nutrition programs for fertigation of crops, grown in soil or hydroponic systems.

Due to its low risk of leaf burning and compatibility with other plant nutrient sources and most pesticides, Sangral® Potassium Nitrate is also widely recommended for foliar application.

Specifications of Sangral® Potassium Nitrate

| | |
|--------------------------------|-----------|
| Nitric nitrogen (N- NO_3^-) | 13,7% min |
| Potassium oxide (K_2O) | 46,3% min |
| Solubility (g/l at 20°C) | 316 |
| Insolubles | < 0,02% |
| EC (1 g/l at 25°C, in mS/cm) | 1,3 |
| Colour | white |

Ask your local Sangral® agronomist for a specialty plant nutrition programme in accordance with your local needs and requirements.

DISCLAIMER

All information is given to the best of Sangral®'s knowledge and is believed to be accurate. Your conditions of use and application of the suggested products and recommendations are beyond our control. There is no warranty regarding the accuracy of any given data or statements. Sangral® specifically disclaims any responsibility or liability relating to the use of the suggested products and recommendations and shall under no circumstances whatsoever, be liable for any special, incidental or consequential damages which may arise from such use.