

SQM

Ultrasol[®] K Plus

Readily available potassium
Most efficient, direct uptake by the plant

Ultrasol[®]
K Plus



Ultrasol[®] K Plus potassium nitrate is the ideal potassium source for growing outstanding crops with additional nitrate nitrogen for quick absorption by the plant. It's free from chloride and mixable with all water-soluble sources. This combination makes Ultrasol[®] K Plus the most all-round and efficient water-soluble K source of its kind.



Key advantages of **Ultrasol® K Plus**

High purity

Ultrasol® K Plus is free of chloride and heavy metals.

Fully soluble

Ultrasol® K Plus is a free-flowing, fine crystalline powder that quickly dissolves in water.

Compatibility

Ultrasol® K Plus can be mixed with all water-soluble fertilizers and is also compatible with the majority of pesticides in foliar application.

Nitrate nitrogen

Nitrate nitrogen is non-volatile and enhances the uptake of other cations (K^+ , Ca^{2+} , Mg^{2+}). It is the most efficient nitrogen source for plant growth.

No salt accumulation

Ultrasol® K Plus can be used to cover the potassium needs of a crop without supplying excess sulfate or chloride.

All-round

Due to its low N/K ratio, Ultrasol® K Plus is suitable for all crops and growth stages, including flowering and ripening stages.

Fertigation and foliar application

Fertigation

Potassium Nitrate is an indispensable component in all well-balanced fertigation programs, both for soil-grown crops and hydroponic systems. Ultrasol® K Plus, used as a K-source, will provide part of the nitrate nitrogen required. It is the only K-source suitable for intensive cropping without risk of sulfate or chloride salt accumulation. Under saline or alkaline conditions, Ultrasol® K Plus is the only suitable K-choice.

For intensive horticulture, nitrate nitrogen is the optimum nitrogen source. A high NO_3^-/NH_4^+ balance assures sufficient uptake of Ca^{2+} and Mg^{2+} and avoids root degeneration, especially at high soil temperatures. Additionally, nitrogen losses by volatilization are avoided. For hydroponic systems, the most intensive and sensitive technique, this is even more important. KNO_3 in a hydroponic system is imperative and today's horticulture would not be the same without potassium nitrate.

Foliar application

Due to low risk of leaf burning (low EC-value and osmotic pressure) and wide compatibility with other plant nutrient sources and pesticides, Ultrasol® K Plus is widely recommended for foliar plant nutritional use. Foliar application of Ultrasol® K Plus is an excellent way to supply additional nitrogen and potassium during critical physiological or environmental conditions. Furthermore, important physiological processes such as dormancy break (mango and deciduous fruits), ripening, fruit maturation, etc. can be influenced with foliar applications of Ultrasol® K Plus.



Properties of **Ultrasol® K Plus**



Ultrasol® K Plus is specifically developed for the most sensitive applications like hydroponics and NFT, with and without re-circulation of the drainage water. It can also be used for other systems of fertigation and for foliar applications.

Ultrasol® K Plus specification

Nitrate nitrogen (NO_3^-)	13.7% min
Potassium oxide (K_2O)	46.3% min
Potassium (K)	38.4% min
Chloride (Cl)	<0.2%
Solubility (lb/gal 68°F)	2,6
Insolubles	<0,5%
pH (5% solution)	8-10
Form	Crystalline, odorless powder
Color	white

Ask your local SQM agronomist for a specialty plant nutrition program in accordance with your local needs and requirements.

DISCLAIMER.

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