



MONO-POTASSIUM PHOSPHATE (MKP)



227 g/kg P 286 g/kg K

Fertilizer Group 2

Reg. No. K4455 Act 36 of 1947

Ground Up Fertilizers cc

Registration No: 2008/067228/23

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GENERAL INFORMATION

MKP (Mono potassium Phosphate) is a fully water-soluble P-K fertilizer. It contains 23% P and 29% K. As a Nitrogen-free fertilizer, MKP is the perfect instrument to control the so important nutrient balance between N, P and K. Using MKP offers the opportunity to give the most preferred N-source, but also to limit or avoid the use of Nitrogen in accordance to the crop's needs. Due to its high quality characteristics, MKP can be applied in **hydroponic systems**, in **fertigation** or as a **foliar spray**.

APPLICATION

Fertigation with MKP

- In continuous fertigation, the concentration of the nutrient solution should be between 0.5-1.5 g/ℓ. For the mother solution, a concentration of 10-15 % can be used depending on the water temperature.
- The number of fertigation applications should be spread in the corresponding period of application.

Foliar application

- MKP is compatible with the majority of pesticides and fertilizers in common use. However MKP should not be mixed with Calcium/Magnesium containing fertilizers. The trace elements Fe, Mn, Zn and Cu are only workable in a mix when they are protected/chelated. Due to its buffer action at pH 4.5 MKP can increase the life of the active ingredient of the pesticides.

- Use of wetting agents is recommended only if MKP is applied without mixing with other products. Optional tank mix with 0.5-1% urea low biuret (U.L.B.) improves penetration.
- The best time to spray is the early morning or in the evening & when temperatures are lower. High temperature and low humidity increase the susceptibility of the plants to injury from sprayed chemicals. Crops under water stress conditions should not be sprayed.

These recommendations are guidelines only. They should be adapted to local conditions, as differences of climate, sod type, temperature, crop variety, application method and irrigation systems occur. Recommended quantities are calculated to satisfy the needs for Phosphorus, and partially the need for Potassium.