

# MKP (Mono Potassium Phosphate)

## What is a MKP fertilizer?

MKP (0-52-34) is the fertilizer, which contains highest amount of major elements, among other soluble fertilizers. Its formula is  $\text{KH}_2\text{PO}_4$ . As it contains no nitrogen, it is appropriate for plants that require intensive use of fertilizers. MKP fertilizer can be the most suitable source of potassium and phosphorus when nitrogen use is contradictory. In other times it is also the preferred type of fertilizer as it can be given together with any kind of nitrogen fertilizers (ammonium, nitrate or urea nitrogen containing fertilizers).

## Where is it used?

As MKP fertilizer contains no such hazardous elements such as chlorine, sodium or heavy metals, it can be applied safely to all kinds of products. It is demonstrated that MKP fertilizer application via leaves prevents fungi growth. When mixed with pesticides it is shown that it increases the effectiveness of such pesticides.

## Application method

MKP fertilizer is suitable for application via leaves. As pH value of water used via sprinkler systems can be maintained at around 4,5, thanks to MKP fertilizer absorption of all major and trace elements is facilitated. Thanks to low EC value (0,7 mS/cm) risks for burns in leaves are too low and therefore it may even be used in high concentrations. It may be mixed with any soluble fertilizer; yet should not be used together with fertilizers containing calcium (Ca).

Analysis	Normal range	Maximum value	Minimum value
Phosphoric acid ( $\text{P}_2\text{O}_5$ )	%52,1		%51,6
			-
			-
			-
Potassium oxide ( $\text{K}_2\text{O}$ )			%34,2
Moisture	%0,05	%0,5	-
pH (1% solution)	4,5	4,5 +/- 0,2	
Solubility (gram/liters water at 20°C)	226		

Solubility (gram/liters water at 40°C)	345
Color	White crystal
Package	25 kg PE bags