



# Kalium 50

Specialised foliar feed

*Potassium plus sulphur,  
magnesium and trace elements for  
top quality fruit and vegetables*

## Uses

A specialised feed designed for foliar application to a wide range of fruit and vegetable crops to improve yields and promote quality.

## Benefits

Directly boosts the levels of essential; potassium (K) to provide firm, sweet fruit.

Chelated trace elements and magnesium help maintain plant health to maximise yield and quality.

Provides sulphur (S) an essential secondary nutrient.

pH controlled formulation for rapid uptake by the leaf.

Concentrated powder which is formulated for very rapid dissolution in the sprayer.

## Foliar feeding

Plants are designed to take up nutrients through their roots of course but most nutrients can be absorbed through the leaves. This provides another opportunity for the management of plant nutrition. Foliar feeding can give crops a valuable boost, particularly if the root system is not functioning well due to drought, disease/pest attack or other stress factor.

## Directions for use

Kalium 50 can be applied to plant foliage via a hand or knapsack sprayer or similar equipment.

Prepare a 1.0 – 2.0 % (10 - 20 grams per litre) solution and apply so as to coat the leaves and stems with a thin film of moisture with little or no run-off. **Do not exceed a 20 grams per litre concentration.**

**Timing:** **Fruit** – Apply from when fruits are first visible and repeat at 10 – 14 day intervals until harvest.

**Vegetables** – Apply at 10 – 14 day intervals throughout the growing season.

The following points should be observed:

- The sprayer should be fitted with a nozzle(s) that produce a fine mist.
- Only sufficient spray solution should be applied to coat the leaves and stems with a film of moisture with little or no "run off".
- Spraying should be carried out on a calm day **BUT NOT DURING STRONG SUNSHINE OR HIGH TEMPERATURES**. The best time is late afternoon or evening.
- If rain is imminent, spraying should be postponed. If rain falls within 4 hours of spraying, the crop should be re-sprayed 3 or 4 days later.

For application via hose-end diluters please refer to the device manufacturer's directions for use.

It is important to realize that soluble fertilizers applied to the foliage can dry out to leave unsightly residues on the leaves. The problem is particularly acute in areas with hard water.

## Chemical/physical data

<b>Analysis (% w/w):</b>	Potassium oxide (K <sub>2</sub> O)	51.3
	Magnesium oxide (MgO)	0.02
	Sulphur as SO <sub>3</sub>	45.65
	Boron (B) soluble in water	0.012
	Copper (Cu) chelated by EDTA	0.001
	Iron (Fe) chelated by EDTA	0.125
	Manganese (Mn) chelated by EDTA	0.013
	Molybdenum soluble in water	0.0008
	Zinc (Zn) chelated by EDTA	0.007

**Appearance:** Blended off-white powder

**Solubility in water:** ~120 g/l (at 20°C)

**Dissolution speed:** 90% dissolved within 1 minute

## General information

**Packaging:** 1 and 20 kg

**Technical service:** For further information, assistance and access to The Solufeed Advisory Service, please contact Solufeed at the address below.

## Precautions

Detailed health and safety information may be found on the relevant Material Safety Data Sheet (MSDS) available on request from the address below.

## Important

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