

# Omex K50

## FUNCTION

Potassium is a major nutrient which is required by all crops. It is second only to nitrogen in the amounts required by the crop. It is highly mobile and is quickly distributed within the plant. Potassium is generally the dominant cation and large amounts in the soil can cause deficiency symptoms of other nutrients, particularly magnesium and calcium.

The main role of potassium within the plant is as a water regulator and in this role it influences many plant processes. It is particularly important in the regulation of cell water content, cell turgidity and rates of transpiration. The translocation of photosynthesates and a number of plant enzymes all depend on potassium.

Low levels of potassium will seriously affect the crop growth, quality and yield. Omex K50 is a unique formulation which carries a high concentration of potassium. The high potassium analysis will ensure optimum uptake of the potash in situations where it is required. Also in carbonate form, Omex K50 helps the plant create a leaf environment uninviting to leaf pathogens such as powdery mildew and botrytis.

## DESCRIPTION

Omex K50 is a concentrated inorganic formulation containing potassium and nitrogen.



## Analysis of Omex K50

		Wt/Wt*	Wt/Vol
<b>Nitrogen</b>	N	<b>2.00%</b>	3.00%
<b>Potassium</b>	K <sub>2</sub> O	<b>33.00%</b>	50.00%
<b>EDTA</b>		<b>0.70%</b>	1.00%
pH (10% solution)		11.5-12.5	
Specific Gravity		1.49-1.53 @18°C	

\*For registration purposes Wt/Wt concentrations are recommended.

## DIRECTIONS FOR USE

The spray tank should be filled with half of the required amount of water. Measure the required amount of Omex K50 and add to the tank whilst maintaining constant agitation. Add remaining water to correct dilution. Spray.



**DILUTION:** Recommended water rate is 500-1500 Litres per hectare

**Always shake container before opening**



## Recommendations for use:

CROP	RATE l/ha	RATE ml/100l	APPLICATION DETAILS
<b>Cereals</b>	2.0	200	When deficiency is suspected repeat applications as necessary at 10-14 day intervals
	5.0	500	1 or 2 applications when deficiency is diagnosed
<b>Cut Flowers</b>	3.0	300	3-4 applications during bud initiation and main flowering period at 10-14 day intervals
<b>Fruit</b>	3.0-5.0	300-500	When deficiency is diagnosed or suspected. Repeat as necessary at 10-14 day intervals.
	2.0	200	In spring to assist flower bud opening and set. Omex K50 can benefit skin finish and brix level in fruit.
<b>Potatoes</b>	up to 5.0	500	2-4 applications at bulking at 10-14 day intervals
<b>Salad crops, Leafy crops</b>	2.0	400	When deficiency is diagnosed or suspected. Repeat as necessary at 10-14 day intervals.
<b>Vines</b>	2.0	200	3-5 applications at 10-14 day intervals
<b>Other crops</b>	5.0	1000	When deficiency is diagnosed. Repeat as necessary at 10-14 day intervals.
	2.0	400	When deficiency is suspected. Repeat as necessary at 10-14 day intervals.

### TANK MIXING COMPATIBILITY

Omex K50 is compatible with most, but not all, pesticides, growth regulators and micro-nutrients with regard to physical tank mixing and biological effects on the crop. However, Omex cannot accept any liability for any loss or damage as not all pesticides have been tested and because the efficacy of any mix will depend on, among other factors, the pesticide concerned, crop conditions, growth stage, weather and volumes of water used. Do not mix with phosphates or sulphates.

### PRECAUTIONS

Omex K50 should be stored in frost free conditions with optimum storage range between 5-40°C. Omex K50 is a non-hazardous and non-flammable foliar fertiliser. Gloves and face shield should be worn when handling the concentrate. In situations of prolonged storage there may be slight settling of the nutrient particles. This is reversible on shaking.

**PACKING:** Omex K50 is available in HDPE drums of 0.25L, 0.5L, 1L, 3L, 5L, 10L capacity. Drums are fitted with tamper evident closures. 200 and 1000 Litre mini bulk available.



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