

K50

Biostimulants & Quality Improvement

Use

To correct nutrient deficiency or to provide a protective barrier on a leaf surface to help prevent infection.

Crops

A wide range of crops including cereals, potatoes, maize, lettuce and leafy salads.

Pack Size

10, 1000 litres

Function of K50

The main role of potassium in 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.

K50 is based on potassium carbonate. When applied to the surface of a leaf or fruit it creates a physical barrier that prevents or delays zoospore infection. It is not a fungicide and has no fungicidal activity but when used in instances where fungicides are not available, K50 can provide a boost to plant health.



Analysis	w/w	w/v
Nitrogen (N)	2.0%	3.0%
Potassium (K ₂ O)	33.0%	50.0%

◆ Directions for Use

Use K50 when potash deficiency is diagnosed or suspected, or as part of an integrated crop management (ICM) programme.

Apply 2-5 L/ha, in a minimum of 200 L/ha water.

The spray tank should be filled with half the required water. After shaking the container, measure the required amount of K50 and add to the tank whilst maintaining constant agitation. Add remaining water to correct dilution and spray.

Crop	Timing	Rate L/ha	Comments
Field Vegetables	As required	2	Apply as part of an ICM programme. Repeat as necessary at 10-14 day intervals
Maize	2 - 8 leaves	2	Apply when deficiency is suspected, repeat after 10-14 days
		5	Apply when deficiency is diagnosed. Repeat as necessary
Potatoes	Spring	2	Apply as part of an ICM programme, or when SAP analysis shows low nutrient status. Repeat as necessary at 10-14 day intervals
	Bulking	5	Generally 2-4 applications 10-14 days apart
Lettuce and Leafy Salads	As required	2	Apply a part of an ICM programme. Repeat as necessary at 10-14 day intervals
		5	Apply when deficiency is diagnosed. Repeat as necessary

◆ Notes

Do not apply in tank mix with pesticides when crop is showing deficiency symptoms, is under stress, or in adverse weather conditions.

For further information on compatibility and tank mixing refer to the section on pages 86-87, and for physical compatibility with pesticides refer to the website www.omex.co.uk