

OMEX SW7

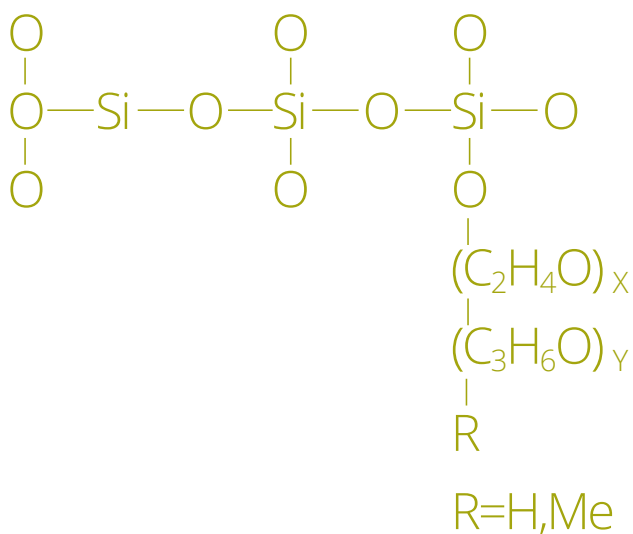
FUNCTION

OMEX SW7 is a silicon based wetter, designed to give enhanced uptake of foliar nutrients. In addition, when used at higher rates, it also supplies silicon to the crop. This can have a secondary effect of deterrence, which may affect a variety of pests such as aphids, red spider mite, thrips and whitefly.

The silicon-oxygen bonds are hydrophobic and the organic clusters are hydrophilic, creating a superior wetting agent, which spreads quickly to cover a large surface area – greater than conventional surfactants. Microscopic examination reveals a high degree of stomatal flooding may also occur which can extend into the intercellular spaces.

On contact with water, the bonds begin to degrade and the process runs to completion after 36-72 hours depending on temperature. The breakdown products are natural, being silica (e.g.sand), water and carbon dioxide.

At the higher rate of use OMEX SW7 can supply silicon to the crop. Silicon is widely recognised as a beneficial element to many crops. It is transported in the xylem and deposited in the epidermal cells. It complexes with calcium in the cell walls and acts as a physical strengthener and also to alleviate abiotic and biotic stress. It also plays a part in the plants defence mechanism at the local level and is useful in reducing pest infestation.



DESCRIPTION:

A silicon-based non-ionic wetting and spreading agent, and source of silicon to the crop.

USE:

To improve uptake of foliar nutrients applied to the leaves and supplies a source of silicon.

CROPS:

All agricultural and horticultural crops, especially fruit, vegetables, protected salad crops and potatoes.

PACK SIZE:

1 LITRE



Always shake container before opening



Use 0.5 - 0.1% dilution with foliar nutrients in a minimum of 200 l/ha water.

CROP	TIMING	RATE	COMMENTS
Cereals	Any time	0.05%	With foliar nutrients
Oilseed Rape	Any time	0.05%	With foliar nutrients
Lettuce	Any time	0.05% - 0.1%	With CalMax, VitOMEX and DP98
Brassicas	Any time	0.05% - 0.1%	With CalMax, VitOMEX and DP98
Potatoes	Any time	0.05% - 0.1%	With CalMax and DP98
Strawberry, Raspberry	Any time, but take care to avoid flowering	0.05% - 0.1%	With CalMax and VitOMEX
Apples, Pears	Any time	0.05% - 0.1%	With CalMax and VitOMEX
Other crops	Any time	0.05% - 0.1%	With any foliar nutrients

APPLICATION

OMEX SW7 can be mixed with a wide range of foliar nutrients. Always consult the appropriate nutrient product guide before use. It is suitable for dilution with both hard and soft water. Add the required quantity of OMEX SW7 to the spray tank and agitate thoroughly.

For optimum efficacy avoid application at high temperatures.

WATER VOLUME (l/ha)	REQUIRED QUANTITY OF OMEX SW7 per ha	
	0.05%	0.1%
200	100 ml	200 ml
400	200 ml	400 ml
600	300 ml	600 ml

TANK MIXING COMPATIBILITY

OMEX SW7 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.

PRECAUTIONS

OMEX SW7 should be stored in frost free conditions with optimum storage range between 5-40°C. OMEX SW7 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 SW7 is available in HDPE drums of 1L capacity. Drums are fitted with tamper evident closures.