

SW7

Adjuvants

Use

To improve uptake of foliar nutrients on crops that are difficult to achieve good coverage, with waxy or tight layers of leaves or dense canopies.

Crops

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

Pack Size

1 litre

Function of SW7

SW7 is a silicon based wetter designed to give enhanced coverage and consequent uptake of foliar nutrients. 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.

At higher application rates, microscopic examination reveals a high degree of stomatal flooding often occurs, which can extend into intercellular spaces. Therefore, SW7 can be particularly beneficial on crops where it is difficult to achieve good coverage.

Also at the higher rate, 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 cell walls. It complexes with calcium to help strengthen cell walls and also helps to alleviate abiotic and biotic stress.



Directions for Use

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.

Use 0.05 – 0.1% dilution with foliar nutrients in a minimum of 200 l/ha water.

The spray tank should be filled with half the required water. Add the required amount of SW7 to the water before adding any nutrients, maintain constant agitation. Add remaining water to correct dilution and spray.

Crop	Timing	Rate % of total volume	Comments
Brassicas Lettuce Leafy Salads	Any time	0.05-0.1	Use with 3X Solution, CalMax, CalMax Ultra, Foliar Supreme, Gard S, Vitomex, or foliar nutrients where good leaf coverage is required Increase the rate for waxy leaves, dense canopies and mature crops
Peas and Beans	Up to start of flowering	0.05-0.1	Use to improve the coverage of foliar nutrients
Potatoes	Any time	0.05-0.1	Use with 3X Solution, CalMax, Vitomex, or foliar nutrients where good leaf coverage is required Increase the rate for dense canopies and mature crops
Soft Fruit and Protected Salads	Any time, but take care to avoid flowering	0.05-0.1	Use with CalMax, Vitomex, or foliar nutrients where good leaf coverage is required Increase the rate for dense canopies and mature crops

Water volume l/ha	Required quantity of SW7 per ha	
	0.05%	0.1%
200	100ml	200ml
400	200ml	400ml
600	300ml	600ml

Notes

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

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