

# SW7

Adjuvants

No A0875



## Use

To improve uptake of plant protection products and 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. 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

Use where good leaf coverage is required. Always consult the appropriate nutrient or plant protection product (PPP) guide before use. SW7 is suitable with both hard and soft water. Use 0.05-0.1% dilution in a minimum of 100 l/ha water. Use the higher rate on waxy leaves, dense canopies and mature crops.

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

## Detailed Application Rates

Crop/ Situation	Plant Protection Product (PPP)	Max Concentration (% spray solution)	Max No. of Treatments	Latest time of Application
All non-edible crops	All authorised PPP	0.1 (minimum 0.05l/ha)	Follow the statutory conditions of use of the PPP	Follow the statutory conditions of use of the PPP
All Edible Crops	<b>All authorised PPPs (at half or less than half the authorised PPP rate).</b>	0.1 (minimum 0.05l/ha)	Follow the statutory conditions of use of the PPP	Follow the statutory conditions of use of the PPP
Non-Crop Production	All authorised PPP	0.1 (minimum 0.05l/ha)	Follow the statutory conditions of use of the PPP	Follow the statutory conditions of use of the PPP

## ◆ Latest Time of Application at Full Rate PPP

In addition, this adjuvant may be used at a maximum concentration of 0.1% spray solution on the following crops, up to the growth stages specified, with all authorised PPPs applied up to their full authorised rate.

Crop	Latest Application
Beans: broad, dwarf, french , runner, edible podded, field	Up to and including first pod set
Broccoli / calabrese	Up to and including heads begin to form; width of growing tip up to 1cm <sup>2</sup>
Brussels sprouts	Up to and including lateral buds begin to develop
Cabbage	Up to and including heads begin to form
Carrot, parsnip, turnip, swede	Up to and including 9 true leaves unfolded
Cauliflower	Up to and including cauliflower heads begin to form; width of growing tip up to 1cm <sup>2</sup>
Cereals	Up to and including GS52 (1/4 inflorescence)
Collard, Kale	Main shoot has reached 30% of the expected height typical for the variety
Peas: combining, vining	Up to and including flat pod (non-edible pods only)
Garlic, bulb onions, shallot, salad onion	Up to and including first fruit set
Hops	Up to and including cone set
Leek	Up to and including 9 leaves clearly visible
Lettuce	Varieties forming heads: up to and including heads begin to form.
Lettuce	Varieties not forming heads: up to and including leaf rosette has reached 30% of the diameter typical for the variety
Linseed	Up to and including 10% capsules formed
Oilseed rape	Up to and including 10% potential pods
Oriental cabbage	Varieties not forming heads: up to and including leaf rosette has reached 30% of the diameter typical for the variety
Oriental cabbages	Varieties forming heads: up to and including heads begin to form
Potato	Up to and including tuber initiation
Red beet, sugar beet	Up to and including six fully expanded leaves. Does not include beetroot grown for salad leaf use
Rocket	Up to and including 3rd true leaf unfolded
Spinach	Leaf rosette has reached 30% of the expected diameter typical for the variety
Sweetcorn, maize	Up to and including tip of tassel visible

SW7 may also be used in a tank mixture with foliar nutrients to improve coverage and uptake. SW7 should be used at a rate of 0.05-0.1% dilution in a minimum of 100l/ha water. Use the higher rate on waxy leaves, dense canopies and mature crops. **AVOID APPLYING TO CROPS THAT ARE IN FLOWER.**

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