



SilicadeTM

BIOSTIMULANT

Silicade is a specially formulated Potassium Silicate designed to strengthen cells, support stress tolerance and enhance quality.

Silicade is a fully soluble biostimulant based on potassium silicate, which combines the metabolic and physiological actions of silicon to improve plant tolerance to stress, enhance mechanical strength and quality of fruit.

BENEFITS

- **IMPROVED TOLERANCE TO DROUGHT, LOW TEMPERATURE, SALINITY AND HEAVY METALS**
- **TOUGHENS PLANT CELL WALLS**
- **MITIGATES DAMAGE CAUSED BY ULTRAVIOLET**
- **ENHANCES CROP MECHANICAL STRENGTH AND ALLEVIATES LODGING**
- **REDUCE THE SEVERITY OF ATTACKS BY DISEASES AND PESTS**
- **IMPROVEMENT OF QUALITY PARAMETERS: FRUIT WEIGHT, UNIFORMITY, APPEARANCE AND BRUX**

PHYSIOCHEMICAL PROPERTIES

Appearance: Colourless liquid

pH: 11-13

Electrical Conductivity: 77mS/cm

CHEMICAL COMPOSITION (% w/w)

Water Soluble Potassium Oxide (K₂O): 13-15%

Silicon dioxide (SiO₂): 18-22%

APPLICATIONS

Apply before periods of abiotic stress or disease pressure. Shake well before use.

CROP	RATE (PER APPLICATION)	APPLICATION (FOLIAR)
Glasshouse crops	150-250ml /100L water (min. 0.5L/Ha)	During fruit development, apply at 7-10-day intervals
Fruiting Vegetables		During fruit development, apply at 7-10-day intervals
Leafy Vegetables		Apply during vegetative development
Bulb Vegetables		Apply during vegetative development and bulb filling
Root Vegetables		Apply during vegetative development and root filling
Strawberries		During fruit development, apply at 7-10-day intervals
Cucurbits		During fruit development, apply at 7-10-day intervals
Ornamentals		Apply during vegetative growth and until the end of flowering. Repeat at 15-20 day intervals
Woody Perennials		
Pome Fruit	150-250ml /100L water (min. 0.5L/Ha)	During fruit development, apply at 7-10-day intervals
Stone Fruit		During fruit development, apply at 7-10-day intervals
Citrus		During fruit development, apply at 7-10-day intervals
Nuts		During fruit development, apply at 7-10-day intervals
Grape		During fruit development, apply at 7-10-day intervals
Coffee		During fruit development, apply at 7-10-day intervals
Tropical crops		During fruit development, apply at 7-10-day intervals
Blueberries / Bush Fruits		During fruit development, apply at 7-10-day intervals
Broad Acre		
Cereals	150-250ml /100L water (min. 0.5L/Ha)	Apply at emergence and from the start of tillering
Maize		Apply during vegetative growth
Potato		Apply during vegetative development, stem elongation and tuber development
Sugar beet		Apply during vegetative development
Rice		Apply from the start of tillering
Cotton		Apply during boll development
Legumes		Apply during boll development
Grass		Apply during tillering and spring growth
Oilseed rape (Canola)		Apply at emergence, during vegetative development, stem elongation and pod set
Tobacco		Apply during vegetative growth

STORAGE

Keep in the original pack. Ensure packaging is sealed and kept in dry conditions. Do not expose to direct sunlight. Storage temperature must be between +5 and +40°C. Shelf life of 2 years minimum under normal conditions.

MANUFACTURER AND LICENSE COMPANY

Agri Sciences Biologicals

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COMPATIBILITY

It is recommended to perform a compatibility test with other products before mixing and to perform small scale crop trials before using the product.

SAFETY PRECAUTIONS

Store in a closed original container.

Keep away from children and food.

Avoid contact with skin and eyes. In case of contact, wash with plenty of water.

For full details consult the Safety Data Sheet (SDS).

Read the label before use. Never exceed the appropriate dosage rate.