BiOSiNC

POT-SIL

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BIOSINC POT-SIL IS A POTASSIUM SILICATE BASED FERTILISER CONTAINING PLANT AVAILABLE SILICA, SUITABLE FOR BOTH FOLIAR AND DRENCH APPLICATIONS

BENEFITS

- Supply high levels of plant available Silica to treated crops.
- Super concentrated easy to use free-flowing formulation. Versatile use for foliar or soil drench applications.
- Unique formulation designed to support the vegetative cycle ensuring strong growth and the maturation cycle to increase crop yield and quality.
- Improved plant health, fungal and disease resistance.

THE ROLE OF SILICATE

silicon plays a role in reinforcing the cell wall of plants, and as a result can help to give plants increased resistance to pests and diseases, increased tolerance to drought and heavy metals, as well as increasing both crop quality and yields.

THE ROLE OF POTASSIUM

Potassium is a major nutrient required by all plants as essential for carbohydrate synthesis and the transport of sugars. Second only to Nitrogen in the quantities required by the plant, it's main role as a regulator within the plant means that it influences many other processes including assisting in maintaining proper balance of other ions, cell water content, cell turgidity and transpiration rates and the activation of many enzyme systems.

PRODUCT CHARACTERISTICS

Density (at 20°C) 1.46 ± 0.02
Physical state Liquid

Analysis		
Potassium (K)	226g/L	155g/kg
Silicone (Si)	115 g/L	79g/kg

DIRECTIONS FOR USE

CROP	RATE / ha	COMMENTS
Field Crops: Canola, Wheat, Barley, Maize, Sunflower, Soybeans, Sorghum, Groundnut, Cotton, Tobacco, Lucerne, Pastures	0.5 – 1.0 L	i. Apply 2-3 weeks after emergence. ii. Repeat application at flowering. Use the lower rate for young plants and the higher rate for mature plants.
Vegetable Crops: Lettuce, Beans, Brassica, Cucurbits, Garlic, Onions, Peppers, Peas, Potatoes, Tomato, Celery, Beetroot, Carrot, Strawberries	1 – 2 L	i. Apply 7 days after emergence or transplant. ii. Repeat application every 7-10 days. Use the lower rate for young plants and the higher rate for mature plants.
Pome and Stone Fruits: Apples, Pears, Nectarines, Peaches, Plums, Apricots, etc.	3 – 5 L	i. Apply every 2 – 4 weeks as required. Use the lower rate for young plants and the higher rate for mature plants.
Subtropical Fruits: Citrus, Avocados, Litchis, Mangoes, Bananas, Pineapples, etc.	3 – 5 L	i. Apply every 2 – 4 weeks as required. Use the lower rate for young plants and the higher rate for mature plants.
Nut Trees: Almond, Macadamia, Pecan, Walnut, etc	3 – 5 L	i. Apply every 2 – 4 weeks as required. Use the lower rate for young plants and the higher rate for mature plants.
Other: Olives, Grapes, Figs, Pomegranates, Berries, etc.	1 – 2 L	i. Apply every 2 – 4 weeks as required. Use the lower rate for young plants and the higher rate for mature plants.
Cut Flowers and Ornaments	1 – 2 L	i. Apply every 7 – 10 weeks as required. Use the lower rate for young plants and the higher rate for mature plants.
All crops	1 – 2 L	Apply as soil drench or through the irrigation system. Apply with sufficient water volume to wash the product into the root zone. Application rate is dependent on the plant growth stage.

See label for information on Storage and Handling.

COMPATIBILITY:

- **Pot-Sil** can be highly reactive in tank mixes due to the high concentration of soluble silica and high pH of 11.
- Do not allow mixed products to stand overnight.
- It is advisable to do a miscibility test prior to mixing with other chemicals.
- Avoid mixing with products containing salts of aluminium, calcium, magnesiumand zinc.

STORAGE:

- Store in the original, well-sealed container away from direct sunlight in a cool dry environment.
- Keep away from children, uninformed people, animals and foodstuffs.

MIXING INSTRUCTIONS:

- Shake the container thoroughly before use.
- Fill spray tank to half the required water volume and start agitator mechanism, then add the **Pot-Sil** and complete filling the spray tank.
- Always add **Pot-Sil** first to the spray tank.