

A fully soluble, liquid formulation Potassium Silicate (K 63 g/kg; Si 92 g/kg) for use as a foliar or soil applied Silica supplement to improve general plant health and stress and disease tolerance.

### WARNINGS

- High alkalinity will irritate skin and eyes. Avoid all contact with skin and eyes and take necessary precautions when using the product.
- Keep out of reach of children, uninformed persons and animals.
- High alkalinity can cause compatibility problems with other chemicals, always conduct a jar test before mixing with chemical products or contact your distributor for queries.

### PRECAUTIONS

- Avoid direct contact with eyes. In case of accidental contact immediately flush eyes with clean water and seek medical advice.

### DIRECTIONS FOR USE

#### COMPATIBILITY

- Potassium Silicate is **highly Alkali (pH>11)** and as such can cause compatibility problems related to this high alkalinity.
- Buffering agents - Tenderbuff has been confirmed to be compatible with AgriSil K50. Aqua Rite 5 is not compatible.
- Silica salts are highly reactive. **Avoid mixing with products containing salts of Magnesium, Calcium (Calcium Nitrate) Zinc and Aluminium.**
- **Always conduct a jar test before mixing product or consult your distributor.**

#### MIXING INSTRUCTIONS

- Shake container well before use.
- Fill spray tank with half the required water volume and start agitator mechanism. Ensure adequate agitation is maintained during mixing and application.
- Add the AgriSil K50 to the tank.
- Complete filling of the spray tank. If required pH of tank solution may be reduced to pH 4 with citric acid. This will improve compatibility in a tank mix, particularly with acidic fertiliser products.
- Add any other products to be tank mixed.
- Apply as a full cover film spray or as a soil drench as applicable. Conventional application equipment may be used.

#### IMPORTANT POINTS TO REMEMBER

- Foliar applications are more effective when applied in early morning or late evening and not during the heat of the day.
- AgriSil K50 is a salt product and any salt may cause leaf burn if it dries too quickly on the leaf surface. Although reports of Phytotoxicity are rare evening applications will help to reduce the possibility of leaf burn. AgriSil K50 on its own, when applied at the correct dosage will not cause burn, however if applied in the incorrect conditions it can become a contributing factor and caution must be taken.
- Mixed product must be applied as soon as possible and within 24 hours.

- Avoid contact with skin, wash hands with soap after application and before consuming food, drinking or smoking. In case of accidental contact wash area thoroughly with water.
- Do not inhale spray mist.
- Do not eat, drink or smoke whilst mixing or applying.
- Prevent contamination of food, foodstuffs, drinking water and eating utensils.
- Clean applicator before and after use.
- Store in original container, in a dry place away from food and feed stuffs.
- Rinse empty container three times with a volume of water equal to a minimum of 10% of that of the container. Add the rinsing water to the contents of the spray or mixing tank. Destroy the container, and do not use empty container for any other purpose.

### Suggested Application Rates and Frequency:

| Crop                        | Rate            | Frequency and method   |
|-----------------------------|-----------------|--|
| Tree crops                  | 4-5 L/ha        | Apply monthly as root drench or foliar application   |
| Nurseries & Hydroponics     | 40 ml per 100 L | Apply weekly.  |
| Veg & strawberries          | 1 L/ha          | Apply every 7-10 days. First application 7 days after emergence or transplant. Foliar spray. |
| Carrots, peppers & tomatoes | 2 L/ha          | Apply every 7-10 days. First application 7 days after emergence or transplant. Foliar spray. |
| Grapes                      | 1 L/ha          | Apply at the beginning of the vegetative stage. Repeat weekly. Foliar spray.                 |
| Wheat                       | 0.5 L/ha        | First application at 25-30 days, repeating at flag leaf and awns stage. Foliar spray.        |
| Maize & sorghum             | 0.5 L/ha        | First application at 4th leaf stage, repeating at the 8th leaf stage. Foliar spray.          |
| Beans & soybeans            | 0.5 L/ha        | First application between 15 & 25 days. Repeat upon flowering. Foliar spray.                 |
| Potatoes                    | 2 L/ha          | Apply weekly. Foliar spray.  |
| Cane                        | 1.5 L/ha        | First application at 40-45 days, repeating 30 days later. Foliar spray.                      |

**Disclaimer:** Although this inoculant has been tested under a variety of conditions, the supplier does not warrant that it will be efficacious under all conditions. Because the active agent is a living organism, its action may be affected by storage, handling, climatic or soil conditions. This naturally occurring organism should not cause damage to crops, vegetation, or the environment, nor harm to man and animals. However, in the unlikely event of this happening, the supplier does not accept responsibility for any damage that may occur.

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