SILIFORCE
protection & prevention

The natural insurance for your crop

SILIFORCE is a liquid fertilizer consisting of 100% bio-available silicon with synergetic micro nutrients. SILIFORCE meets fertilizing standards and is permitted for use in organic agriculture.
• Increases crop’s resistance to biotic and abiotic stress conditions
• Increases crop’s quality and yield

PRODUCT CHARACTERISTICS

• Consists of bio-available silicon (Si)
• Unique synergy between silicon and molybdenum (Mb)
• Applicable through the root system (drip irrigation) and the leaves (foliar spray)
• Compatible with fertilizers and crop protection products
• Environmentally safe and non-toxic
• Applicable on all kinds of crops and all types of growing systems

PROVEN TECHNOLOGY

• Positive results confirmed by international research institutes
• Extensively tested in field trials around the world
• Customers agree:
  - SILIFORCE significantly reduces effects of stress situations
  - SILIFORCE significantly increases quality and yield

SILICON’S ROLE IN STRESS REDUCTION AND PLANT DEVELOPMENT

Fertilization with Silicon decreases negative impact of stress conditions like heat, drought, salinity, pests and diseases on quality and yield. SILIFORCE contains high concentration of stabilized silicic acid. Silicic acid is the best plant available form of Silicon. Once assimilated by plants, silicic acid is transported through the xylem to the cells of stems, foliage and fruits. Then it is stored in cell membranes, creating a mechanical barrier strengthening cell walls and increasing crop’s natural defense mechanisms. With SILIFORCE, silicon fertilization will be applied worldwide.

Silicon reduces stress and improves plant growth in 3 unique ways
1. Silicon acts as a physical barrier in cell walls
2. Silicon acts as a modulator of metabolic defense reactions to stress situations
3. Silicon improves absorption of micro nutrients in plants

Silicon is a real plant strengthener by providing a natural way of protection. Crops are often exposed to stresses and Silicon’s benefits are most obvious during stress conditions. The impact of Silicon on yield and quality of commercially grown crops is impressive. Since crops can now protect themselves against adverse stress conditions, as an added advantage less chemical crop protection products may be used. So Siliforce contributes in sustainable agricultural practices, including preserved production and quality levels.
FIELD TRIALS AND SUCCESS STORIES

Comparative research confirms SILIFORCE is the best plant available source of silicon on the market. Leading international research centers confirm the beneficial effects of SILIFORCE on crop’s stress resistance, product quality and yield. Customers around the world therefore now successfully integrate SILIFORCE in their crop nutrition programs in order to alleviate stress conditions.

SILIFORCE

- Improves resistance to biotic stress
  - powdery mildew, botrytis, white mould, psylle, aphid, stem borer
- Improves resistance to abiotic stress
  - salt, water, climate, heavy metal toxicity
- Improves product quality
  - brix, thickness, firmness, commercial caliber
- Improves production yield
  - weight, size, yield per acreage
- Improves intake of micro and macro nutrients
  - intake of mineral deficiencies

SILIFORCE enables plants to more efficiently use fertilizers, fungicides and insecticides. A combination of SILIFORCE and reduced quantities of pesticides results in higher levels of disease control and higher yields. Thus SILIFORCE should be part of any sustainable crop management program.

APPLICATION GUIDELINES

<table>
<thead>
<tr>
<th>Product</th>
<th>Siliforce fertilizer.</th>
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<tbody>
<tr>
<td>Foliar spray</td>
<td>Dosage: 250 - 400 ml per hectare (100 - 160 ml per acre).</td>
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<td>Frequency: Repeat 6 - 8 times every 10 - 15 days, from first visible leaves onwards.</td>
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<tr>
<td>Drip Irrigation</td>
<td>Dosage: 400 - 500 ml per hectare. (160 - 200 ml per acre).</td>
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<td>Frequency: Repeat weekly from start, 6 - 8 times during cycle.</td>
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<td>Dilution</td>
<td>Step 1: Fill tank with water.</td>
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<td>Step 2: Add Siliforce and mix.</td>
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<td>Step 3: Add other fertilizers and crop protection products.</td>
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<td></td>
<td>! It is important to mix Siliforce into the tankmix before adding any other fertilizers or crop protection product.</td>
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<td></td>
<td>! Do NOT pre-mix Siliforce and do NOT add anything to the pure bottle of Siliforce.</td>
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<td>Storage life</td>
<td>Guaranteed: 2 years.</td>
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<td>Storage conditions</td>
<td>Store Siliforce in the original package, cool and dark.</td>
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<td>Packaging</td>
<td>1/ 5/ 10/ 25/ 200/ 1000 liter(s).</td>
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REGISTRATION

SILIFORCE is a CE fertilizer conform Directive CE N°2092/91. SILIFORCE is permitted for use in organic agriculture. SILIFORCE is examined and certified by ECOCERT (dossier N°1694), a world leader in the certification process of organic farming methods.

CONTACT