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## Fact Sheet: EcoSil™

EcoSil has a mono silicic concentration of 18 to 22%, the highest in the world market.

EcoSil performs diverse functions:

- Stimulates production of roots, foliage, flowers and fruits in plants stressed by heavy metals (as aluminum), high salinity, drought and extreme temperatures
- Is incorporated in the epidermis of plants making them more resistant to adverse biotic (insects, pathogenic fungi) and abiotic conditions (drought, temperature, etc)
- Frees minerals trapped in clays, such as phosphorus
- Reduces by 1/3 to 1/2 the requirements for phosphate and urea fertilization
- Facilitates absorption of calcium, phosphorus, potassium and magnesium
- Stimulates the activity of soil microbes that degrade pesticides

EcoSil can be applied to the soil or foliage. In order to detoxify the soil of heavy metals or pesticides, EcoSil should be applied directly to the soil.

In order to improve plant productivity EcoSil can be applied either to the soil or foliage; however, a large proportion of the product applied to the soil is going to be used in the soil and only a fraction of it will be absorbed by plants. Therefore, we recommend to apply EcoSil to the foliage if the objective is growth enhancement or protection against pests.

### Application rates

EcoSil should be diluted 1:10 in clean water and left for 12 hours in order to transform the poly-silicic acid into mono-silicic acid (Activated EcoSil). Activated EcoSil should be diluted further with water at 1:50 to 1:500 prior to field application (secondary dilution).

### Sugar cane:

- Apply Activated EcoSil at a secondary dilution of 1:100 at planting, and at 1:50 on days 60, 180 and 270 post planting.

### Rice:

- Apply Activated EcoSil at a secondary dilution of 1:100 at planting and three times during cycle.

### Turf:

- Apply Activated EcoSil at a secondary dilution of 1:500 twice a month

