



# Silica Booster

**A pelletised poultry manure with added silica for enhanced soil health and plant performance. Silica assists in growing healthier stronger plants for increased yield, environmental stress resilience and resistance to pest infestation. Soils also benefit from the addition of silica with improved chemistry, microbiology and water holding capacity. Available in 1 Ton bulk bags for agricultural applications.**

## Product Information

While most operators understand the benefits of composted chicken manure through enhanced soil carbon, microbiology, natural slow release nutrients; the role of silica in plant performance, soil microbiology/chemistry and resilience to environmental stress is beginning to be better understood.

### Silica in enhanced plant performance

- Stronger cell walls
- Healthier, thicker leaves
- Enhanced root activity
- Increased flower numbers and pollen production
- Higher fruit sugar content

### Silica in enhanced soil microbiology / chemistry

- Improved cation exchange
- Natural anti-fungal properties
- Increased nutrient availability
- Harbourage for microbes

### Silica in enhanced environmental stress resistance

- Retains up to 120% volume of moisture- natural water bank
- Help offset effects of heavy metal and salinity
- Stronger roots / leaves for increased moisture capture/retention
- Stronger healthier plants increase resistance to disease/pest attack


### Not all silica is the same (Total vs Plant Available)

Not all silica is the same - look further than total silica results. Only plant available silica is readily absorbed by plants, the remainder may remain locked away in the soil.

Silica Booster contains Diatomaceous Earth; a rare, naturally occurring source of plant available silica.

### Uses

- Tree crops
- Small crops
- Root crops
- Sugar cane
- Flowers
- Ornamentals



**Qld Organics**  
**Silica Booster**



Product Information *continued...*

**Typical Analysis\*:**

<b>Nitrogen (N)</b>	Total	3.32%
<b>Phosphorous (P)</b>	Total	1.51%
<b>Potassium (K)</b>	Total	2.76%
<b>Effective Cation Exchange Capacity</b>	cmol+ /kg	50.32%

**Silica and Trace Elements\*:**

<b>Silica (% SiO<sub>2</sub>)</b>	Soluble	14.59%
<b>Calcium</b>	Available	37.5%
<b>Magnesium</b>	Available	20.3%
<b>Zinc</b>	Available	232.7 mg/kg
<b>Boron</b>	Available	22.88 mg/kg
<b>Iron</b>	Available	244 mg/kg
<b>Copper</b>	Available	49.3 mg/kg
<b>Manganese</b>	Available	177 mg/kg
<b>Carbon</b>	Total	34.42 %
<b>Sulphur</b>	Total	0,78%
<b>Molybdenum</b>	Total	10.84 mg/kg
<b>Cobalt</b>	Total	3,53 mg/kg
<b>pH</b>		6,8

*\*Analysis conducted by Environmental Analysis Laboratory (EAL) 5 Nov 2019 Ref I 8213/1*