

# ORIGINAL

The original patented form of stabilized, bioavailable silicic acid for crops

Unlike other silica products, we work with the best possible silicic acid matrix (patented) to enable superior absorption. Power Si is widely recognized as the leader in silicic acid.

Power Si is a proprietary organic biomix containing highly bioavailable micro and macro nutrients. It is a pure, highly concentrated formula with fast visible effects.

Power Si also increases nutrient absorption and bioavailability of all other nutrients by acting as an efficient transporter. Furthermore, Power Si reduces nutrient salt build-up and dehydration of your crops.

Power Si is proven to build stronger cell walls decreasing susceptibility to various diseases resulting in stronger plants and thicker stems. Power Si also corrects and reduces the space between internodes caused by environmental stress and nutrition imbalances improving your crops overall health.



IMPROVES ABSORPTION OF NUTRIENTS

INCREASES RESISTANCE AGAINST ABOTIC AND BIOTIC STRESSES

SIGNIFICANTLY REDUCES TRANSPIRATION

IMPROVES THE GERMINATION PROCESS AND ROOT STRUCTURE

DOESN'T RAISE THE PH OF YOUR WATER

SUITABLE FOR ALL TYPES OF CROPS

FULLY COMPATIBLE WITH ALL OTHER FERTILIZERS, BOOSTERS AND PLANT PROTECTION PRODUCTS

IMPROVES END QUALITY OF CROP

# POWER SI FEED CHART

ALL MEASUREMENTS ARE PER GALLON

VEG	CLONES	WEEK 1	WEEK 2	WEEK 3
ORIGINAL	0.5ML	0.5ML	0.5ML	0.5ML
BLOOM				

BLOOM	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
ORIGINAL	0.5ML	0.5ML						
BLOOM	1ML							

**GRANULAR** BEGIN APPLICATIONS AT FIRST TRANSPLANT AND APPLY EVERY 30 DAYS UNTIL WEEK 4 OF FLOWER  
CONTAINER GARDENS AND RAISED BEDS USE 10-15 GRAMS PER PLANT  
POWER SI GRANULAR CAN BE USED IN PLACE OF POWER SI LIQUID

## POWER SI ORIGINAL TIPS

**SPECIAL (TO SLOW VERTICAL GROWTH)**  
6ML PER 5 GALLONS

**FOLIAR SPRAY (MAINTENANCE)**  
1ML PER LITER, 4ML PER GALLON

**FOLIAR SPRAY (REPAIR)**  
2ML PER LITER, 8ML PER GALLON

## POWER SI RENEW TIPS:

**MAINTENANCE FOR RENEW**  
USE 2X WEEKLY

**REPAIR FOR RENEW**  
USE 4X WEEKLY

# ROOTS

Coming soon!

**POWER Si** = POWERED BY SILICIC ACID, FAST ACTING, PATENTED MATRIX FOR SUPERIOR ABSORPTION, RESULTS CONFIRMED BY TOP GROWERS AROUND THE WORLD

**POWER Si**

# THE GENETIC YOUR PLANTS POWER<sup>Si</sup>

## BLOOM

Specialized quality enhancing flowering additive with silicic acid and a proprietary blend of exotic plant extracts.

Our fermentation process creates an entourage effect of natural plant antioxidants, phyto enzymes, L-amino acids and low molecular weight humic compounds.

Plants use hundreds of chemical compounds internally to stimulate growth and ripening. Power Si Bloom provides many raw materials to increase metabolism and health and is enriched with silicic acid.

### EFFECTS OF POWER SI BLOOM

- Decreased internodal spacing
- Faster bud onset (little as 6 days)
- Increased number of bud sites
- Faster and more homogeneous ripening
- Enhances protein synthesis
- Increases Brix levels
- Increased terpene and resin production
- Larger, more dense flowers

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# WHAT IS MONOSILICIC ACID?

**Silicon is the second most abundant element in the Earth's crust (about 28 % by mass) and usually found in the form of complex silicate minerals and rocks which are not easily assimilated by plants.**

Only a very small proportion of the total silicon content is absorbed as "monosilicic acid" (also called "orthosilicic acid") by the root system. Recent research has proven it to be vital for optimal plant growth, strength, and resistance to plant stress. It has been reported that under certain conditions some plants (rice, sugar cane, wheat) may absorb even more silicon than any other nutrient from the soil.

In short, nowadays silicon is considered as the "limiting factor" for optimal crop yield and quality and monosilicic acid is the fastest, most effective way to deliver the optimal benefits of silicon to your plants.

### Can I use Power Si with my current nutrient regimen?

Power Si is fully compatible with any product on the market so feel free to add Power Si in your normal regimen. In fact, it optimizes the effects of all other nutrients by acting as a transporter for other elements. Think of it as a vehicle to help pull necessary elements and nutrients up through the root system and into the plant cell walls. This evidently increases general plant strength and stimulates immune responses. It's very important to remember to add clean H2O before any other nutrient.

# POWER<sup>Si</sup>

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# ACHIEVE THE POTENTIAL OF

## GRANULAR

OSA, along with fulvic acid and other proprietary ingredients play a key role in releasing the locked up nutrients from the soil.

The product plays a key role in soil remediation and is suitable for perennial crops and for container gardening. OSA along with other proprietary ingredients play a key role in releasing the locked up nutrients from soil.

Naturally generated silicic acid is available to plants for a shorter duration as it polymerizes readily in soil, thereby reducing its availability. Power Si Granular provides a stable matrix to keep silicic acid in active state, which is available to plants for an extended period (up to 30 days after application). Granular is highly concentrated silicic acid and promotes rapid root growth and accelerated seedling growth.

### EFFECTS OF POWER SI GRANULAR

- Strengthen cell walls
- Increase plant vigor and tissue strength
- Increase lateral branching
- Decreasing internodal spacing
- Increase movement of minerals (especially Ca/Mg)
- Improves overall nutrient availability in soil by solubilizing locked nutrients from soil
- Increase resistance against biotic and abiotic stresses
- Healthier plants means higher yields and quality
- Increases Brix which reduces pest and disease
- Chelates and binds heavy metals
- Reclaims exhausted soils for sustainable agriculture

