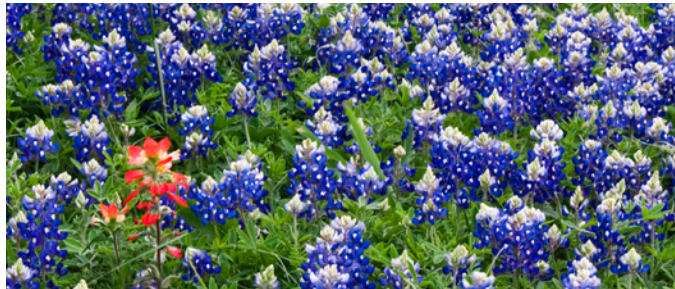


MegaSilica

SPECIFICATIONS

Chemical Properties		
Silicon Dioxide	SiO ₂	75 - 83
Alumina	Al ₂ O ₃	4 - 6
Ferric Oxide	Fe ₂ O ₃	0.5 - 2.5
Titanium Dioxide	TiO ₂	0.27
Calcium Oxide	CaO	0.23
Manganese Oxide	MnO	NIL
Magnesium Oxide	MgO	0.81
Sodium Oxide	Na ₂ O	1.27
Potassium Oxide	K ₂ O	0.18
Phosphorus Pentoxide	P ₂ O ₅	0.09

Typical Physical Properties	
Color	Pale yellow / off-white
pH of 10% slurry	7.5 - 8.4
Moisture	5 - 12%
Loss on ignition	5.42
Water Absorption	110%
Bulk Density Granulated Powder	0.65 - 0.70 gm/ml / 0.36 - 0.40 gm/ml
Particle Size Granulated Powder	2 - 6 mm / 500 mesh



MegaSilica® is an active silicon **organic** soil conditioner derived from amorphous silicon dioxide. It is used to improve the soil's quality and its ability to optimize the uptake of nutrition for plants.

- Rich source of plant available silica (PAS).
- Increases crop yield 15-30% depending on soil conditions.
- Improves water holding capacity & increases soil aeration.
- Increases plant's resistance to salt toxicity.
- Increases phosphate uptake.
- Prevents loss of nitrogenous fertilizer by 40%.
- Strengthens plant's resistance to environmental stress.

MegaSilica® increases crop yield, improves the quality of crops, and reduces post-harvest losses.



Organic AgroNutritionals LLC

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#1 FARMERS RECOMMENDED

A Premium Product



Healthy Soil = Increased Yield
AMORPHOUS DIATOMACEOUS EARTH (SiO₂)
Organic Soil Conditioner



- Higher Yield
- Early Harvest
- Reduced Cost
- One Application Per Crop

www.megasilica.com



Sweet Corn crop



Cotton crop before MegaSilica application



Cotton crop with MegaSilica 30 days after application

MegaSilica

INSTRUCTIONS

How much to use:

110 lbs (50 kgs) per acre for all crops except for Rice which is 165 lbs (75 kgs). Comes in convenient 55 lbs (25 kgs) bags with inner lining.

Plant height in inches	Flowers - Add in Ozs
4"	2
4-8"	4
8" - 12"	6
12" and above	8

Shrubs height in inches	Shrubs - Add in Ozs
12"-24"	8
24"-48"	16

Trees:

Diameter less than 1" add 1/2 lb.
For each additional inch add another 1/4 lb.

Layering Application:

Apply a layer beneath root mass (Rhizosphere) when transplanting or a layer that will come in contact with the rhizosphere to help plant's continued growth.



AgriDiatomSil

AgriDiatomSil is an organic pesticide made from amorphous Silica (SiO₂) and is very effective against pests and insects. When sprayed, it works by getting in between the hard shell and the soft body of the insect causing damage to the outer protective layer of cuticular membranes. This action absorbs wax causing dehydration.

- Plugs the insect's spiracles
- Perforates the walls of the trachea and tracheoles
- Starves the larvae

AgriDiatomSil is known to be effective against armyworm, bollworm, earworm, budworm, nematodes and a host of other pests and insects. It has also proven to be effective for long term use as it interrupts pest's breeding cycle. It helps reduce overall stress on the plants and increases production.

How to apply:

Spray just at the foliar stage, applying twice a month.

How much to apply:

It is recommended to use 0.5% of water weight, e.g. in a water tank of 2000 gallons you will need to add 85 lbs of AgriDiatomSil. This will cover 45 acres. The mixture should be agitated constantly to prevent material settling down at the bottom. If there is a chance of rain, the addition of surfactant is advised.



AgriDiatomSil

INSTRUCTIONS

How much AgriDiatomSil to mix in water:

For 1 gallon mix add 1 oz. or 2 tablespoonfuls
For 200 gallon mix add 8.5 lbs.
For 2000 gallon mix add 85 lbs.

How much area mix will cover:

On average 1 gallon of mixed solution will cover 1000 sq.ft.
1 acre will need 45 gallons of mix
60 acres will need 2700 gallons
100 acre will need 4500 gallons
120 acres will need 5400 gallons

When to apply:

At the flowering stage.

How often to apply:

Every 15 days for the first month and every 20 days thereafter.



What equipment to use:

Our experience indicates that using Electrostatic Negative charge Ionizer gives very good results as it delivers micro droplets and covers the underside of the leaves. Farmers have reported that they were using only half of the recommended dose. A Rice farmer can save as much as \$10,00 per acre.

One suggestion:

If it is windy or rain is expected, the use of a surfactant is recommended to prevent the loss of AgriDiatomSil.