

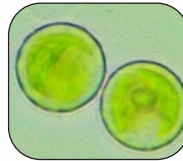


GOgreen®

SOIL ADDITIVE INOCULANT OF ALGAE CELLS

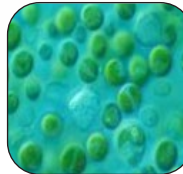
GOgreen® is a blend of three microalgae species from the phylum Chlorophyta (green algae) and Xanthophyta (yellow-green algae) genera that are concentrated in a neutral pH freshwater suspension. Most of the cells in the suspension are stabilized in a stationary (or non-growth) phase.

- Improve enzymatic activity
- Naturally eliminates filamentous algae
- Increase soil aggregation
- Facilitate water infiltration
- Helps mitigate soil sodium
- Increases bioavailability of plant nutrients
- Increases organic matter digestion



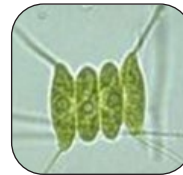
Chlorella vulgaris

Enhances root growth, seed germination, total proteins and total free amino acids



Nannochloropsis sp.

It has ability to accumulate high levels of fatty acids for plant growth



Scenedesmus sp.

Provide environmental benefits by reducing harmful and/or damaging compounds in organic matter

Beneficial
GOgreen® Algae

GOgreen® is an excellent source of micronutrients, plant growth hormones and provides basic fatty acids and phospholipids that are necessary for root development and stress tolerance.

Macronutrients: Sulfur (S), Potassium (K), Phosphorus (P), Calcium (Ca), Magnesium (Mg)
Micronutrients: Copper (Cu), Iron (Fe) and Zinc (Zn)

Fatty acid: Lenolenic acid, Palmitic acid, Palmitoleic acid, Stearic acid, Oleic acid, Vaccenic acid, Linoelaidic acid

Growth Stimulators:

Auxins: Indole acetic acid (IAA),

Cytokinins: iP, precursors ZR (cis-isomer) and iPR

Abscisic acid: Biologically active ABA, isomer trans-ABA

Gibberellic acids

- Contains enzymes that help mitigate soil salinity and sodic stress by promoting ion displacement from the root zone
- Rich source of auxins, essential fatty acids, and phospholipids that support root development
- Improves soil friability, allowing for enhanced root penetration and aeration
- Provides lipids and polysaccharides that form gelatinous root-protective substances, enhancing root protection and soil penetration.
- Boosts nutrient availability (C, N, P, K) through organic matter decomposition
- Stimulates beneficial soil microbes (actinomycetes, pseudomonads, lactic acid bacteria)

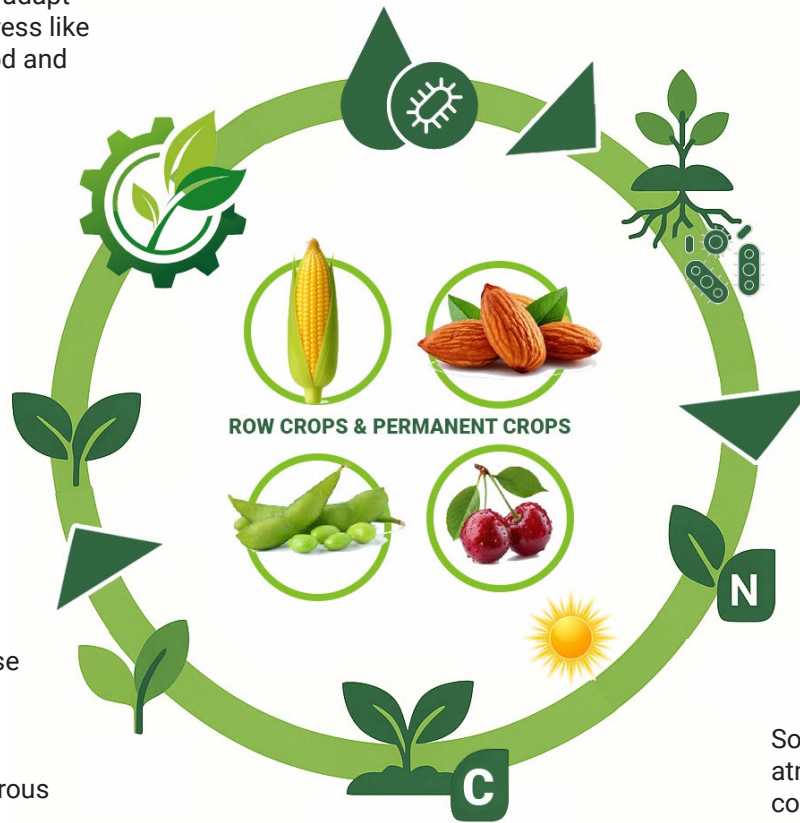
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The Cycle

Soil microbe populations are stimulated, increasing population and diversity.

GOgreen microalgae helps plants adapt to abiotic stress like drought, flood and salinity.

Root hairs excrete exudates with growth, attracting more soil microbes which convert nutrients to their bioavailable form.



Microalgae increase chlorophyll in plants, enhancing photosynthetic capacity for a vigorous growth response.

Soil microbes convert atmospheric nitrogen to compounds needed for photosynthesis, and also convert soil nitrogen to a bioavailable form.

During photosynthesis, plants convert atmospheric CO₂ into carbon-based sugars for growth and drawn down additional carbon into the soil.

Microalgae Liquid Yellow Green Microalgae

Macro Nutrients

Sulfur
Potassium
Phosphorus
Calcium
Magnesium
Sodium

Micronutrients

Copper
Manganese
Iron
Zinc

Amino Acids

Aspartic Acid	Alanine	Phenylalanine
Threonine	Cystine	Lysine
Serine	Valine	Histidine
Serine	Methionine	Arginine
Glutamic acid	Isoleucine	Tryptophan
Proline	Leucine	
Glycine	Tyrosine	

Fatty Acids

Linolenic	EPA	Vaccenic
Palmitic	Stearic	Linoleic
Palmitoleic	Oleic	

Plant Growth Regulators

Auxins	Indole acetic acid (IAA),
Cytokinins	iP, precursors ZR (cis-isomer) and iPR
Abscisic acid	Biologically active ABA, isomer trans-ABA

GOgreen®

DISCLAIMERS:

KEEP AWAY FROM CHILDREN.
NOT FOR HUMAN CONSUMPTION.

Buyer assumes all risk of use, storage and handling of this material. Neither seller nor its agent make any warranty, expressed or implied, concerning this product, except in conformity with statement on the label.

Information regarding the contents and levels of metals in this product is available online at aapfco.org/metals.

STORAGE & HANDLING:

Shake well before use. Store in original container in a cool dry place out of direct sunlight. In case of accidental exposure, flush with water. Wear eye protection. Protective gloves recommended.

PURPOSE STATEMENT:

Soil additive inoculant of algae cells

CONTENTS:

Chlorella vulgaris	1x10 ³ cells per mL
Scenedesmus quadricauda	1x10 ³ cells per mL
Nannochloris atomus	1x10 ³ cells per mL

PHYSICAL CHARACTERISTICS:

Solubility in water:	99%
Appearance and odor:	green, algal odor
Expiration date:	Best used before 90 days from date of delivery

DENSITY:

8.21 lb per gallon
0.98 kg per liter

pH: 7.57

DIRECTIONS FOR USE:

Contact company representative.

APPLICATION RATES:

Bio-Generator: 24 oz. per day; consult Bio-Generator instruction manual.

Agriculture: apply 1 gallon, 4 - 1 qt applications/acre/crop cycle. Can be applied undiluted or diluted at 20:1 (water to GOgreen®) through drip, pivot or sprinkler irrigation system.

Apply by furrow or flat irrigation by adding undiluted GOgreen® to any water vessel, up to 500 gallons, and the mix then trickled into the irrigation system.



*Nurturing the partnership
between plants and soil™*

AVAILABLE IN THE FOLLOWING CONTAINER SIZES

5 Gallons / 55 Gallons / 275 & 330 gallon totes / Bulk



cellular
infuson
technology