



# Product Catalog

# OUR STORY

MYCSA Ag was launched in 2004 to satisfy the growing demand for the natural raw materials and insect repellents that make organic growing possible.

We pride ourselves on delivering materials approved and listed by the Organic Materials Review Institute (OMRI), an international nonprofit organization that determines which input products are allowed for use in organic production and processing.

MYCSA Ag customers include formulators and farmers large and small across the globe who choose our products for their quality and affordable prices as well as for our company's commitment to timely and attentive customer service.

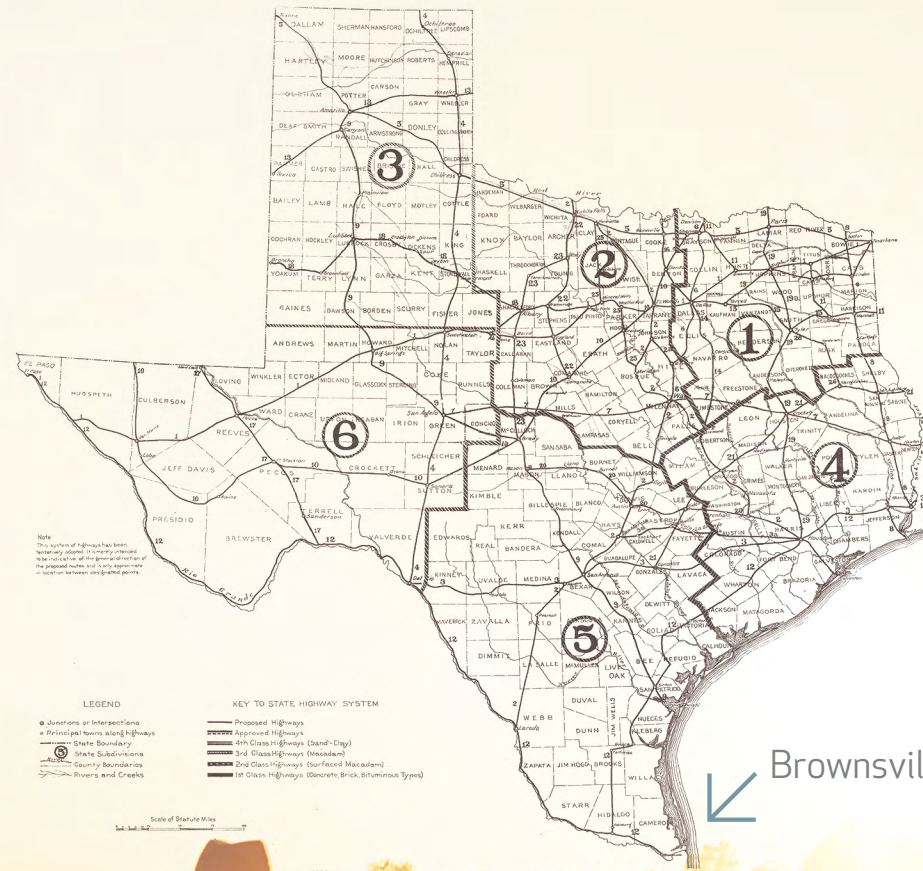
MYCSA Ag is part of Brownsville, TX-based MYCSA Group, a leading global provider of organic bulk fertilizers, raw materials, solutions and other products for organic growers and the organic agriculture industry.



# OUR HOME

MYCSA Ag ships quickly and directly anywhere in the world. We can even customize packaging and labeling.

We'll stay in contact with you from the time you order until our product arrives at your door to ensure you're satisfied.




Brownsville, TX.



# Amino Acid 80%

## Guaranteed Analysis

Total Nitrogen..... 13.62%



**Amino Acid 80%** is a biofertilizer in powder, produced enzymatically and derived from soy protein, with a guaranteed minimum of 13.62% of plant-available nitrogen.

Amino Acid 80% contains amino acids and short polypeptides readily available for nutrient uptake and absorption. It is highly recommended

for organic agriculture as it is rich in protein hydrolysates, which stimulate carbon and nitrogen metabolism and increase nitrogen assimilation in plants.

It is suitable for application on field crops, potting soil, vegetable and flower gardens, orchards and turf grass.

### **BENEFITS:**

- Improves nitrogen uptake
- Enhances tolerance to biotic and abiotic stress
- Stimulates plant growth
- Can be applied in leaves as foliar fertilizer
- OMRI listed for use in organic agriculture



**Packaging:** 20 kg sacks/boxes, 1,000 kg/pallets or 500 kg super sacks.





# Amino Acid 60%

## Guaranteed Analysis

Total Nitrogen..... 14%

**Amino Acid 60%** is a biofertilizer in powder, produced enzymatically and derived from soy protein, with a guaranteed minimum of 14% of plant-available nitrogen.

Amino Acid 60% contains amino acids and short polypeptides readily available for nutrient uptake and absorption. It is highly recommended

for organic agriculture as it is rich in protein hydrolysates, which stimulate carbon and nitrogen metabolism and increase nitrogen assimilation in plants.

It is suitable for application on field crops, potting soil, vegetable and flower gardens, orchards and turf grass.


### **BENEFITS:**

- Improves nitrogen uptake
- Enhances tolerance to biotic and abiotic stress
- Stimulates plant growth
- Can be applied in leaves as foliar fertilizer



# Amino Acid 45%

Guaranteed Analysis  
Total Nitrogen ..... 15%



**Amino Acid 45%** is a water-soluble biofertilizer in powder, derived from soy protein, with a guaranteed minimum of 15% plant-available nitrogen and little to no chloride or sodium. Amino Acid 45% contains amino acids and short polypeptides readily available for nutrient uptake and absorption. It is highly recommended for agriculture as it is rich in protein hydrolysates,

which stimulate carbon and nitrogen metabolism and increase nitrogen assimilation in plants.

It is suitable for application on field crops, potting soil, vegetable and flower gardens, orchards and turf grass.

## **BENEFITS:**

- Improves nitrogen uptake
- Enhances tolerance to biotic and abiotic stress
- Stimulates plant growth
- Can be applied in leaves as foliar fertilizer





FLAKES

# Seaweed Extract Plus

## Guaranteed Analysis

Total Nitrogen .....	1%
Phosphorus (P <sub>2</sub> O <sub>5</sub> ) .....	1%
Soluble Potash (K <sub>2</sub> O) .....	16%

**Seaweed Extract Plus** is extracted from fresh kelp (algae), through a very specialized process. It is 100% natural and widely used as organic in many places.

**Seaweed Extract Plus** is natural, non-toxic, harmless and nonpolluting, and rich in microelements.

It is suitable for all crops and applications including field crops, potting soil, vegetable, flower gardens, orchards and turf grass.

Promotes balanced growth of crops, boosts the capacity of immunity and resistance, improves crop quality and increases yield.

### BENEFITS:

- It improves stressed plants affected by low and high temperatures or diseases
- It's N and P content helps cell elongation and better foliar development.
- Increases the fixation of Nitrogen in the air.
- Better fruit development.
- Improves the soil, as moisture retainer.
- Trace elements are increased in plants to improve their metabolism.



**Packaging:** 20 kg sacks/boxes, 1,000 kg /pallets or - 500 kg super sacks





POWDER & FLAKES

# Seaweed Extract

## Guaranteed Analysis

Nitrogen ..... 1%  
Soluble Potash (K<sub>2</sub>O) ..... 17%

**Seaweed Extract** is extracted from fresh kelp (algae), through a very specialized process. It is 100% natural and widely used as organic in many places.

**Seaweed Extract** is natural, non-toxic, harmless and nonpolluting, and rich in microelements.

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**Packaging:** 20 kg sacks/boxes, 1,000 kg /pallets or 500 kg super sacks







# Humic Acid 80

## Guaranteed Analysis

Humic Acid .....	80%
Potassium .....	10%

**Humic Acid 80** is a dark black humate derived from leonardite with at least 80% humate content, 99% solubility, and a great natural trace nutrient chelater. It's long lasting and fast acting.

**Humic Acid 80** offers a greater availability of Potassium, Nitrogen and Phosphorus, as well as better absorption of Calcium and Magnesium, as well as Iron, Manganese, Zinc, and Copper as chelates.

Its anti-compaction agents make it ideal for use in soils with very high calcium and in breaking up clay soils. By nature, it bonds with calcium instantly and releases other nutrients to the plant.

### BENEFITS:

- Increases organic matter of soil
- Improves crop respiration and photosynthesis
- Slows decomposition to increase the release of potassium
- Enhances water holding capacity of soil
- Improves soil and reduces its erosion
- Regulates the release of nutrients
- Improves the quality of crops
- Improves efficacy of Herbicide
- Improves the efficiency of fertilizer



# Humic Acid

## Guaranteed Analysis

Humic Acid ..... 94%  
Potassium ..... 8%

Humic substances are end products of microbial decomposition and chemical degradation of dead biota in soils.

Considered to be the most abundant naturally occurring organic molecules on earth and the major components of soil organic matter, they are considered plant biostimulants.

Humic Acid is the potassium salt of humic acid also known as potassium humate. It has all the characteristics of humic acids, with the additional benefits of solubility without precipitation or solid separation after dilutions are made.

It has a minimum of 70% humate matter, including fulvic acids which remain in the solution as long as necessary. In soil, humic substances play key roles in many soil and sand plants such as controlling nutrient availability, carbon and oxygen exchange between the soil and the atmosphere, as well as transforming and transporting toxic chemicals.

In addition to increasing overall root growth at early stages of plant development, humic acids have also been found to increase crop yield and/or quality in some studies involving full-season plant growth in greenhouses and fields.

### BENEFITS:

- Penetrates plant cell membranes and walls
- Resists high-ion water
- Dissolves quickly with, its insoluble matter being less than 1 %
- Increases vitamins and sugar





# Fulvic Acid 90%

## Guaranteed Analysis

Nitrogen .....	0.19%
Potassium (K <sub>2</sub> O) .....	0.15%

**Fulvic Acid 90%** contains our highest concentration of Fulvic Acid (90%). Fulvic Acid 90% is a plant biostimulant with diverse substances to enhance plant growth.

Fulvic acids are soluble in both alkali and acid media and are low in molecular weight. Given their small molecular size, fulvic acids can pass through the micropores of biological membranes.

Fulvic acids have greater total acidity, greater numbers of carboxyl groups, and higher absorption and cation exchange capacities. Fulvic acids

chelate nutrients such as iron and move them and other micronutrients through membranes.

Humic and fulvic acids can interact with soil nutrients and elicit physiological responses in plants, contributing to plant growth and, in some cases, to better management of abiotic stresses.

### **BENEFITS:**

- Enhances plant immunity for better stress management
- Accelerates the production of nucleic acids
- Enhances photosynthesis and respiration
- Prevents NPK nutrients from leaching
- Increases total cationic exchange and improves aeration
- Fulvic Acid 90% offers a higher concentration than Fulvic Acid





# Fulvic Acid 70%

## Guaranteed Analysis

Nitrogen ..... 0.30%  
Potassium ..... 1.25%

**Fulvic Acid** is a concentrate derived from plant residues. This high-efficiency, multi-functional fertilizer is ideal to aid plant uptake of micronutrients.

Additionally, it is compatible with most liquid fertilizers, pesticides, herbicides and defoliant. If the desired combination has not been previously used, a compatibility test is highly recommended.

It possesses the same characteristics and benefits of Fulvic Acid 90% with a lower concentration (70%).

### **BENEFITS:**

- Accelerates production of nucleic acids
- Enhances photosynthesis and respiration
- Increases cationic exchange





# Super K Fulvate<sup>®</sup>

## Guaranteed Analysis

Total Nitrogen .....	3%
Phosphate (P <sub>2</sub> O <sub>5</sub> ) .....	1%
Potassium (K <sub>2</sub> O) .....	10%

**Super K Fulvate** is our traditional soluble fulvic acid plus K<sub>2</sub>O and microelements.

It is a 100% soluble powder that provides plants all the essential elements while also offering all the advantages of fulvic acid.

Super K Fulvate activates enzymes regulating CO<sub>2</sub> uptake and photosynthesis rate, thereby improving crop yield and quality.

The potassium (K) in Super K Fulvate regulates the opening and closing of stomata, the pores through which leaves exchange carbon dioxide, water, water vapor and oxygen with the atmosphere. Proper functioning of stomata is essential for water and nutrient transport and plant cooling.

### **BENEFITS:**

- Increases root growth and improves drought resistance
- Activates many enzyme systems
- Maintains turgor
- Reduces water loss and wilting
- Produces grains rich in starches
- Helps retard crop diseases





# Corn Steep

## Guaranteed Analysis

Total Nitrogen (N) .....	7%
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) .....	7.81%
Soluble Potash (K <sub>2</sub> O) .....	6.07%

**Corn Steep** is a water-soluble fertilizer that can be applied directly, or it can be mixed with other liquid fertilizers, growth promoters (seaweed) or dry fertilizer, whether it is sprayed, irrigated, foliar or applied through soil.

**Corn Steep** powder helps promote the natural growth of plants with nitrogen, phosphorous and potassium, it also contains micronutrients such as iron, sulfur and manganese, as well as amino

acids and trace elements, which are completely non-toxic, harmless and pollution-free. It can also improve the structure and fertility of the soil, promote the activities of microorganisms and soil organisms, and the decomposition of nutrients in the soil in an effective and economic way.

### BENEFITS:

- Easy to apply and mix
- Rich in organic matter and nutrients
- Compared with chemical fertilizers, it contains fast-acting nitrogen that plants can easily absorb
- It helps crops grow and improves the soil





# Mycorrhizae Ultrafine Endo

## Guaranteed Analysis

4 Species Endomycorrhizae  
130,000 Endo Propagules per lb

The agricultural use of microbial inoculants, also known as biofertilizers, has increased dramatically. Biofertilizers contain living microorganisms that, when applied to seeds, plant surfaces or soils, promote growth by increasing nutrient supply, root biomass, root area and nutrient uptake, acting as a complement to mineral fertilizers.

**Mycorrhizae Ultrafine Endo** is a mycorrhizal inoculum powder comprising four scientifically formulated endomycorrhizal fungi propagules (*Glomus intraradices*, *Glomus mosseae*, *Glomus aggregatum*, and *Glomus etunicatum*). It is a wettable powder with a particle size under 300 microns, ideal for “water in” or “spray” applications.

### BENEFITS:


- Increases resistance to pathogens
- Enriches soil nutrients and aerates
- Induces growth of beneficial flora
- Slows down the process of nitrogenous compounds like ammonia



# Mycorrhizae Ultrafine Endo-Ecto

## Guaranteed Analysis

4 species Endomycorrhizae 130,000 Endomycorrhizal Propagules per lb.  
7 species Ectomycorrhizae 110 million Ectomycorrhizal Propagules per lb



The agricultural use of microbial inoculants, also known as biofertilizers, has increased dramatically.

Biofertilizers contain living microorganisms that, when applied to seeds, plant surfaces or soils, promote growth by increasing nutrient supply, root biomass, root area and nutrient uptake, acting as a complement to mineral fertilizers.

**Mycorrhizae Ultrafine Endo** is a mycorrhizal inoculum powder comprising four scientifically formulated endomycorrhizal fungi propagules (*Glomus intraradices*, *Glomus mosseae*, *Glomus aggregatum*, and *Glomus etunicatum*). It is a wettable powder with a particle size under 300 microns, ideal for “water in” or “spray” applications.

### BENEFITS:

- Increases resistance to pathogens
- Enriches soil nutrients and aerates
- Induces growth of beneficial flora
- Slows down the process of nitrogenous compounds like ammonia







# Neem Oil

## Guaranteed Analysis

Pure Neem Oil ..... 100%

**Neem Oil** is a highly pure, cold-extracted oil from organic neem kernels. The oil is extracted through a temperature-controlled process with zero ingredient loss. Neem Oil is very effective against insecticide-resistant pests but does not harm beneficial insects.

Neem Oil has one of the highest contents of Azadirachtin in the market and works by inhibiting the development of immature insects.

### **BENEFITS:**

- Prevents some bacterial diseases
- Has been proven to control more than 200 species of pests by affecting their life cycle
- Controls nematodes without harming beneficial earthworms
- Improves nitrogen availability in soil





# Neem Cake

## Guaranteed Analysis

Neem Cake ..... 100%

**Neem Cake** is organically obtained from the cold-crushed residue of the neem seed kernel. This extraction gives Ferti-Neem Cake superb nutrient content specifically in its high azadirachtin content and NPK value. Good for all soils, all crops, all seasons.

It works primarily by increasing the humus content of the soil and is an all-purpose organic soil conditioner, ideal for low organic matter soils and significant reducer of chemical fertilizer demand. Its natural repelling properties and NPK value plus nutrient content make it an ideal 2 in 1.

### **BENEFITS:**


- Increases resistance to pathogens
- Enriches soil nutrients and aerates
- Induces growth of beneficial flora
- Slows down the process of nitrogenous compounds like ammonia



# Karanja Oil

## Guaranteed Analysis

Karanja Contents ..... 20,000ppm



Native to India, **Karanja Oil** is cold-pressed and double-filtered from the seeds of the Pongam Tree, also known as the Karanja Tree (*Pongamia glabra*).

Karanja Oil has similar insecticidal properties to Neem Oil and acts against a number of insects and other pests.

With a mild and versatile aroma, it acts as an acaricide and insecticide. Karanja Oil also has nitrification inhibitory properties.

Karanja Oil contains natural plant growth-stimulating ingredients, primarily axins, improving soil texture and promoting vegetative growth, plant health and fruit yields.

### **BENEFITS:**

- Ideal for soil-based insect control
- Prevents fungus and help plants recover from it
- Prevents some bacterial diseases
- Lasts longer on plants than chemical insecticides
- Ideal replacement for Neem Oil in areas where Azadirachtin is not allowed
- Can be mixed in equal parts with Neem Oil to widen insect control



# Cedar Gard™

## Guaranteed Analysis

Cedar Oil ..... 16%  
Ethal, Lactate & Water ..... 84%

The main ingredient in **Cedar Gard™** is cedar oil. Cedar Gard works on pheromone-driven insects by disrupting their octopamine neuroreceptors, thereby stifling their ability to detect food and mates and reproduce.

It may be used as a pest lure, repellent, as part of a trap or for disease control.

### BENEFITS:

- Disrupts the egg cycles of non-beneficial insects
- Strengthens barriers for re-entry
- Is compatible with most fertilizers





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