



MAIZER
AGRICULTURE DIVISION



PLANTS NUTRITION

CATALOG

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MAIZER

AGRICULTURE DIVISION

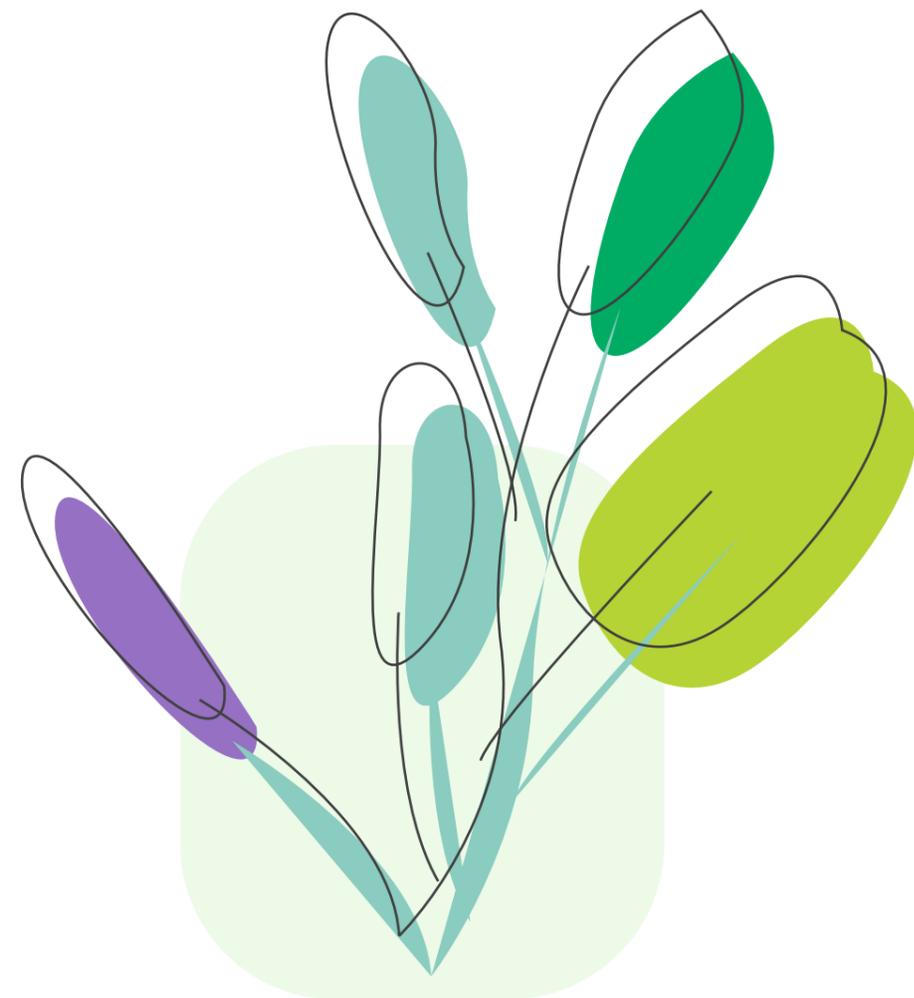




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OUR PURPOSE

Our founders faced and overcome the greatest food challenge of their time. With collaboration and curiosity, they helped save the lives of millions. Since then, we have continuously developed solutions that improve and increase global food production more sustainably. But the disruptions of recent years have shown how fragile the food system is and how it threatens food security. We have more mouths to feed and limited resources to draw upon. At MAIZER, we are working tirelessly to meet these challenges head-on. Through integrated, science-based solutions, we're helping to lead a food system transformation to protect nature better, increase affordable food access, transition to clean energy, and improve livelihoods. Collaborative leadership will grow our potential to do good and secure a resilient food system while protecting and restoring our planet.



OUR MISSION

Our mission is our reason to exist. It defines our company's purpose and role in the world. We believe knowledge grows and has the power to create positive global change. We understand that knowledge helps feed the world, creates profitable businesses, and protects the planet at a time when the population is expanding and our resources are increasingly challenged.



OUR VALUE

Ambition

Performing above expectations, taking initiative and constantly working in line with MAIZER ambitions and personal goals.

Curiosity

Asking bold and brave questions. Builds knowledge and powered the inquiry of our founders to impede the 20th century famine.

Collaboration

Working together with mutual respect and appreciation of all perspectives. Collaboration amplifies our collective knowledge.

Accountability

Being reliable, responsible and always having MAIZER and society's interests in mind when faced with tough decisions.



OUR VISION

MAIZER aspires to become a leading company in the field of high value crops, providing effective solutions in plant nutrition and protection.

***A collaborative society.
A world without hunger.
A planet respected.***

Our vision for the world is based on ensuring a nature-positive food future. A collaborating community that overcomes cultural, environmental, and economic barriers to create solutions that will lead to a world free from hunger and a planet respected.





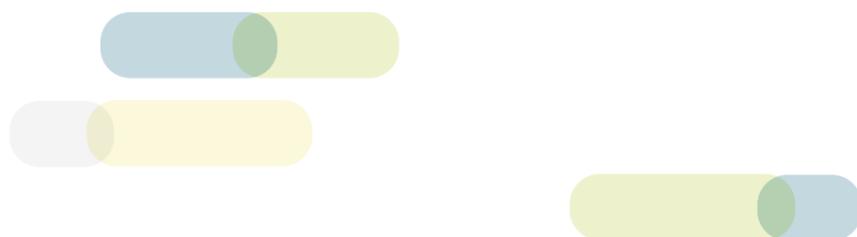
- HUMAIZER WS / PLUS
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- SHUVER XX

The proper utilization of soils and crops must go hand in hand with new generation fertilization. To stop soil degradation, the loss of organic matter, and poor crop output, the soil's nutritional balance must be just right.

All items in the EDAPHO line are especially well suited for establishing this nutritional balance because they are all made from plants (leonardite), have a high solubility to increase plant uptake, and don't clog irrigation systems.

They operate as natural complexing agents to improve nutrient digestion, increase soil fertility, reduce nutrient losses through leaching, and encourage the growth of the root system. Products from EDAPHO act as soil activators to promote nutrient dynamics and microbial metabolism.

Crops rely on the soil's microbial life to supply their roots with nutrients that are available to plants.



Maximum benefits
for their application:

- increased nutrient absorption
- improved plant growth
- higher agricultural yields



HUMAZIER-WS

Benefits

- Promote root development
- Increases plant nutrient uptake
- Improve the effectiveness of pesticides
- Increase yield and improve plant quality
- Increases soil health and helps seed germination
- Increasing the microbiological activity of the soil
- Increased water holding capacity cation exchange

Composition:

♦ SOLUBILITY:	98 %
♦ HUMIC ACID IN DRY BASE:	70 %
♦ FULVIC ACID:	15 %
♦ POTASSIUM OXIDE (K ₂ O):	12 %

Dosage:

Field crops	20-50 kg /Hectare
Fruit trees and economic crops	30-60 kg /Hectare
Irrigation/Fertigation	8-13 kg /Hectare

HUMAZIER-WS

Applying organic matter is certainly an excellent way to remineralize a soil that has been leached or has no chemical reactions, such as with some sands. Sand with a low cation exchange capacity (CEC) has difficulty holding onto the cations of nutrients, and these cations can easily leach deep into the soil and become unavailable for plant uptake.

Sandy soils are also unable to hold onto water when arid conditions prevail and humus is lacking. Sands reside in a condition of “feast or famine,” since water and nutrients are only available for a short time after they are applied. Biomolecules of humus can help retain water and the ionized nutrients that are produced by the natural cycling of organic biomass, compost, or other sources of fertilizer.

The electronegativity factor of humic acids is key in developing and maintaining a healthy and sustainable soil. The source of these humic acids in a sustainable agricultural program, organic certified farm, or urban

landscape can be decaying organic matter such as compost. In essence, this is fertilizer in an organic form. It is therefore important to know the ingredient source and the nutrient analysis of your compost.

Humus is powerful stuff, and a tiny amount can produce a huge measurable result. We have seen as little as 40 total pounds on an acre of farmland increase the yield of a crop dramatically.



HUMAZIER-PLUS

- The soil's ability to balance and neutralize the soil pH.
- Color helps absorb heat and plant in early spring.
- Strong roots increase yield, improve crop quality and increase sweetness.
- Strong roots increase yield, improve crop quality and increase sweetness.
- It can improve soil physical characteristics, improve soil aggregate structure, reduce soil compaction, and achieve good conditions.
- Provide activities for soil beneficial microorganisms.
- The nutrients required to release the plants after decomposition.



Composition:

♦ HUMIC ACID IN DRY BASE:	80 %
♦ FULVIC ACID:	50 %
♦ POTASSIUM OXIDE (K ₂ O):	10 %
♦ MOISTURE:	10 %

Dosage:

Field crops	20-50 kg /Hectare
Fruit trees and economic crops	30-60 kg /Hectare
Irrigation/Fertigation	8-13 kg /Hectare

Some parts of Humaizer Plus contain low-molecular humic substances such as fulvic acid, which play a dissolving role on essential minerals in the soil—breaking down compounds like potassium silicate and feldspar to gradually release nutrients and increase available potassium.

This significantly improves fertilizer efficiency. The nutrient utilization rate is up to 95%–87% higher than standard potassium fertilizers—resulting in better yield, stronger roots, and higher-quality crops.

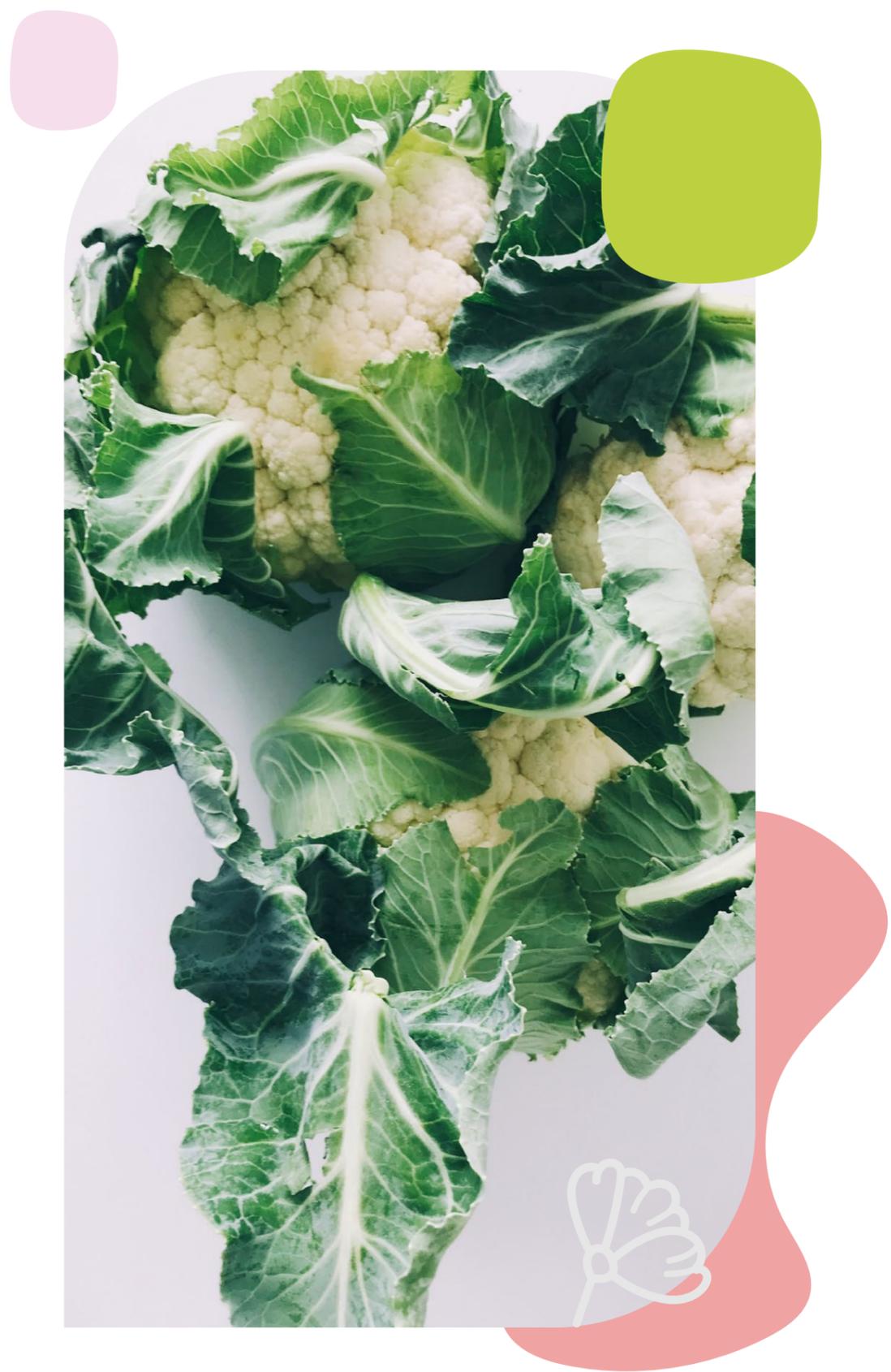
Humaizer Plus acts as both a quick-release and slow-release fertilizer, balancing fast nutrient availability with long-term soil conditioning.

- It:
- Enhances water retention and nutrient holding capacity.
 - Boosts microbial activity around the roots.
 - Combines the advantages of organic matter and mineral fertilizers.

- Offers controlled release, ensuring steady nutrient availability from planting to harvest.

Thanks to its low nutrient loss and high absorption rate, it consistently improves crop quality and quantity.





IRON: MAIZESTRIN /ADVANCE/MAX

Benefits

- Numerous EDDHA chelated iron products that are completely water soluble
- Due to its broad stability range, it is extremely efficient in alkaline/high pH soils.
- produces an extended chelating and nourishing effect.
- promptly addresses or prevents iron deficiency issues
- ensures efficient and regulated breathing
- Increase the concentration of chlorophyll
- increases the overall performance and health of crops
- Physicochemical properties: Stability in pH range: 4 - 12

Composition:

Product

MAIZESTRIN	6%	4.8%
MAIZESTRIN ADVANCE	6%	5.2%
MAIZESTRIN MAX	6%	5.5%

Dosage:

Citrus/fruit trees	25 - 30 gr./plant
Horticultural/Vegetables	3-20 Kg./Ha
Vine	10 - 40 gr./plant

IRON

is a **high-quality water-soluble** iron that has been fully chelated with EDDHA. It was created to provide a rapid and effective way to prevent and treat iron deficiency in high pH soils.

To boost the concentration of chlorophyll, which provides the plant a greener and healthier appearance, ensure quick availability of iron to the plant.

The bioavailable iron in the **IRON** series activates enzymes that support and sustain healthy breathing as well as the synthesis of lignin, which fortifies the plant against harsh environmental conditions.

Iron is stable, bioavailable, and supplied steadily over a long length of time thanks to the chelating agent's persistent nature (with a minimum content of ortho-ortho isomer of ,%4.8 %5.2, and %5.5, respectively) under highly alkaline soil and soil with a high carbonate content.

MAIZESTRIN



MAIZESTRIN ADVANCE



MAIZESTRIN MAX



SHUVER XX

Benefits

- the soil's ability to balance and neutralize the soil pH.
- Color black helps absorb heat and plant in early spring.
- Provide activities for soil beneficial microorganisms..
- The nutrients required to release the plants after decomposition.
- Strong roots increase yield, improve crop quality and increase sweetness.
- it can improve soil physical characteristics, improve soil aggregate structure, reduce soil compaction, and achieve good conditions.

Composition:

❖ Iron (Fe-EDDHA) 6%

Dosage:

- ❖ After transplanting or sowing..... 0.5-1 KG/ feddan
- ❖ At the beginning of growing season.....0.5-1 KG/ feddan
- ❖ Repeat during the season (or when iron-deficiency symptoms appear)..... 0.5-1 KG/ feddan

SHUVER XX

SHUVER XX is a high-efficiency iron fertilizer formulated with 6% iron chelated as Fe-EDDHA, containing an ortho-ortho isomer ratio of 5.4%—the most effective form of chelated iron for use in alkaline and calcareous soils. This advanced formulation is completely water-soluble and specifically designed for soil application across all soil types. It plays a critical role in preventing and correcting iron deficiency in plants, a condition that typically presents as interveinal chlorosis (yellowing between leaf veins), stunted growth, and poor overall plant vigor. SHUVER XX is suitable for a wide variety of crops, including fruit trees such as citrus and grapes, vegetables like tomatoes and peppers, field crops such as corn and legumes, and ornamental plants.

The product is ideal for use after transplanting or sowing, at the beginning of the growing season, and should be reapplied throughout the season, especially when new growth cycles emerge or iron deficiency symptoms become visible. The recommended dose ranges from 0.5 to 1 kg per feddan, depending on crop needs and soil conditions.

SHUVER XX can be applied through fertigation in drip irrigation systems or directly to the soil before irrigation in cases of surface or flood irrigation. Thanks to its high solubility and advanced chelation, it ensures reliable and sustained iron availability to the root zone, even in high pH soils where other iron sources fail. By restoring iron levels efficiently, SHUVER XX contributes to healthier foliage, improved photosynthesis, and stronger plant development throughout the crop cycle.





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