



AL-MADA

for Chemical Industries



Fertilizers & Biostimulants



ABOUT US

ALMADA

Established in 2011 with an Arabian joint venture capital to be one of the most important leaders in the region in the field of chemical fertilizer industry companies.

ALMADA Committed to the highest & finest level of quality standards through implementing ISO 9001:2015 and continual improvement methodology by utilizing the power of Information Systems and Project Planning software as a technological, logistical, operational and financial "backbone" for our projects.

An important way in which ALMADA is different in the marketplaces is through understanding The needs of the agricultural markets and be ready to supply our products at the best price at the right time and be aware of the changes in the technologies and market flexibility in order to do so we have signed an agreements with an international.

Researches and Developments

Institutes to exchange data and information in the agricultural field information is always the way and the feedback always continues for the benefits of our customers.

ALMADA

Establishment to provide the highest quality products to its customers providing a safe and healthy workplace for our employees and contributing to the quality of life in our community. This commitment is made possible through our dedicated people, consistent products continued protection of the environment and ongoing investments in new product development, quality control systems and safe modern and energy-efficient production facilities.

In order to gain customers satisfaction and exceed their expectations of services excellence

ALMADA team will use the latest technologies and techniques to achieve stakeholders' strategic and operational goals with the cooperation of the most reliable International companies.

ALMADA only delivers products conforming our strict quality standards a ll services are performed following or exceeding all current rules and regulations for the protection of health, safety and environment.

ALMADA is eagerly looking forward to maintain a dynamic growth in MENA MARKET (middle east & north Africa) , in addition to special market plans for Africa and south America "

Cooperation, Integrity, Transparency, Innovation & Creativity are deep rooted values in ALMADA's team, moreover high commitment & communication will be our approach to deliver the best guaranteed materials, extraordinary services and competitive market to our clients price at all times.

Certificate JO00000174/23

The management system of

Almada For Chemical Industries

Alqastal - Amman - Jordan

has been assessed and certified as meeting the requirements of
ISO 9001:2015

For the following activities
Fertilizer and Chemical manufacturing

This certificate is valid from 12 August 2023 until 11 August 2026 and remains valid subject to satisfactory surveillance audits.

Issue 1. Certified since 12 August 2023



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AL MADA FOR CHEMICAL INDUSTRIES

Fertilizers & Bio Stimulants

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MADA PASTE FORMULAS

Paste NPK Fertilizer

| | | | |
|--------------|-------------------|--------------|-------------------|
| NPK 18-44-0 | NPK 20-50-10 | NPK 15-20-50 | NPK 5-50-30 |
| NPK 24-24-18 | NPK 20-20-20 | NPK 40-10-10 | NPK (MAP) 12-61-0 |
| NPK 15-30-15 | NPK (MKP) 0-52-34 | NPK 12-12-36 | NPK 15-0-45 |
| NPK 12-0-60 | NPK 19-19-19 | NPK 15-65-0 | NPK 3-37-37 |

Definition

Acid paste fertilizers with multiple compositions that quickly absorbed by leaves and roots (irrigation systems)

Properties

- Fertilizer Contains nitrogen, phosphorus, potassium and other additives
- Complete homogenous Paste fertilizer produced from high purity raw materials
- different formulas for all growth stages in all crops
- High efficiency for optimal plant absorption of nutrients
- High soluble Fertilizer.
- Acidic fertilizer to suit alkaline soils.
- Fast results after applications.
- High concentration fertilizer for more effectives.
- Improvement plants quality.
- Suitable for all stages of plant growth and depending on the composition
- Gives healthy and balanced growth to the plant
- Improved and increase production
- Improved quality of production
- Helps plants and crops resist and prevent fungal diseases
- Low electrical conductivity and low salt effect
- Moves quickly within plant parts and gives the plant a healthy appearance
- Free of impurities and heavy metals that are harmful to plants and human health
- Free of chlorine and sodium
- 100% soluble in water
- Compatible with most fertilizer and pesticides.
- All formulas of paste NPK are available under request



Method and rate of use

Depend on crops types and growth stages

| Crops | Foliar application / 200 Ltr of water | Irrigation system Kg/1000 Square Meter |
|--|---------------------------------------|--|
| Fruit Trees: apple , peach Grapes- Citrus -Banana | 150- 200 gm | 3 - 4 |
| Green House (cucumber - tomato) | 150- 200 gm | 1 - 3 |
| Open vegetables | 150- 200 gm | 3 -4 |
| Field Crops | 150- 200 gm | 3 -5 |
| Ornamental plants | 150- 200 gm | 0.50 -1 |

Mixing

*Mixed with all types of fertilizers and pesticides except calcium fertilizers

*An experiment must be done before mixing

Storage and disposal of the empty container:

It must be stored away from direct sunlight and in well ventilated places away from children

Recommendations/Warnings

If the skin comes into contact with this substance, remove the contaminated clothing, and wash the skin abundantly with soap and water

MADA PASTE



Composition

| Contents | Nitrogen (N) | Phosphorus (P ₂ O ₅) | Potassium (K ₂ O) |
|---------------------|--------------|---|------------------------------|
| Weight / Volume W/V | 0 % | 52 % | 34 % |

Definition

Paste NPK fertilizer that can be applied directly to the soil or as foliar application.

Characteristics

- Paste MKP Mono Potassium Phosphate
- Used in the advanced stages of growth when the need for high levels of phosphorus and potash .
- Enhances plant nutrition in acidic soils.
- Suitable for wide range of crops.
- Fast absorption by the leaves, especially when there are circumstances hinder absorbed by the roots.
- Increase the quantity and quality of production.
- Highly soluble and pure, safe for use in all irrigation and spraying systems.
- Alkaline reaction in aqueous solution.

Method and rate of use

Depend on crops types and growth stages

| Crops | Foliar application / 200 Ltr of water | Irrigation system Kg/1000 Square Meter |
|--|---------------------------------------|--|
| Fruit Trees: apple , peach Grapes– Citrus –Banana | 150- 200 gm | 3 - 4 |
| Green House (cucumber - tomato) | 150- 200 gm | 1 - 3 |
| Open vegetables | 150- 200 gm | 3 -4 |
| Field Crops | 150- 200 gm | 3 -5 |
| Ornamental plants | 150- 200 gm | 0.50 -1 |



Mixing

- Mixed with all types of fertilizers and pesticides except calcium fertilizers
- An experiment must be done before mixing

Storage and disposal of the empty container

It must be stored away from direct sunlight and in well ventilated places away from children

Recommendations/Warnings

If the skin comes into contact with this substance, remove the contaminated clothing, and wash the skin abundantly with soap and water

MADA PASTE



NPK 12-61-0

Composition

| Contents | Nitrogen (N) | Phosphorus (P ₂ O ₅) | Potassium (K ₂ O) |
|------------------------|--------------|---|------------------------------|
| Weight / Volume W/V | 12 % | 61 % | 0 % |

Definition

Paste NPK fertilizer that can be applied directly to the soil or as foliar application .

Characteristics

- Paste MAP Mono Ammonium Phosphate (Acidic)
- Enhances plant nutrition in acidic soils.
- Activates root growth, flowering, fruit set and maturation, especially during the cold season and stress conditions.
- Improves rooting and root formation, increases the number of tubers.
- Provides energy for the subsequent period of productivity.
- Suitable for wide range of crops.
- Fast absorption by the leaves, especially when there are circumstances hinder absorbed by the roots.
- Increase the quantity and quality of production.
- Highly soluble and pure, safe for use in all irrigation and spraying systems.
- Alkaline reaction in aqueous solution.

Method and rate of use

Depend on crops types and growth stages

| Crops | Foliar application / 200 Ltr of water | Irrigation system Kg/1000 Square Meter |
|--|--|---|
| Fruit Trees: apple , peach Grapes– Citrus -Banana | 150- 200 gm | 3 - 4 |
| Green House (cucumber - tomato) | 150- 200 gm | 1 - 3 |
| Open vegetables | 150- 200 gm | 3 -4 |
| Field Crops | 150- 200 gm | 3 -5 |
| Ornamental Plants | 150- 200 gm | 0.50 -1 |



Mixing

- Mixed with all types of fertilizers and pesticides except calcium fertilizers
- An experiment must be done before mixing

Storage and disposal of the empty container

It must be stored away from direct sunlight and in well-ventilated places away from children

Recommendations/Warning

If the skin comes into contact with this substance, remove the contaminated clothing, and wash the skin abundantly with soap and water

MADA POWDER FORMULAS

| | | | |
|---------------------|--------------|-----------------------------------|--------------|
| NPK 20-20-20 | NPK 20-10-20 | NPK 10-50-10 | NPK 12-12-36 |
| NPK 15-15-30 | NPK 15-30-15 | NPK 19-6-6 | NPK 15-5-35 |
| NPK 13-40-13 | NPK 28-14-14 | NPK 19-19-19 | NPK 17-10-27 |
| NPK 3-37-37 | NPK 30-10-10 | NPK 20-5-10 | NPK 6-20-30 |
| NPK 13-8-24+10% CaO | | NPK 13.5-0-18.5 + 13%CaO + 1.5MgO | |
| NPK 12-52-5 | NPK 15-10-31 | NPK 30-11-11 | |

Definition

homogeneous fine crystalline powder, produced from high quality raw material that contains balance Nitrogen, Phosphorous, Potassium and wide range of chelated micro nutrients.

Complete soluble fertilizer and it's a full range of products to optimize nutrition of different crops under different growth stages.

Characteristics

- NPK powder fertilizer with different formulas used in all plant growth stages
- Highly soluble and pure, safe for use in all irrigation and spraying system.
- Fast absorption by the leaves, especially when there are circumstances hinder absorbed by the roots
- Increase the quantity and quality of production.
- Increase sugar content, hardening of the stem , suitable for wide range of crops. Increase size of fruits.
- Unlock and mobilize nutrients present in the soil.
- Suitable for all crops in all growth stages without restrictions
- 100% soluble in water

Method and rate of use

| Crops | Soil Application / 1000 m ² | Foliar Application / 200 Ltr of water |
|---|--|---------------------------------------|
| (Fruit Trees) (grapes - Citrus) - Banana | 3 - 4 Kg | 150 - 200 gm |
| (Green House) (Tomato - Cucumber) | 1- 3 Kg | 150 - 200 gm |
| Vegetables- Potato pomegranate | 3 - 4 Kg | 150 - 200 gm |
| (wheat) (Field crop barley) | 3 - 5 Kg | 150 - 200 gm |
| (Ornamental plants) | 0.5 - 1 Kg | 150 - 200 gm |



- ## Mixing
- Can mixed with all water -soluble fertilizers, Can be mixed with pesticides.
 - Before preparing a final mixture should make some compatibility tests.

storage and disposal of empty packaging

- To protect the safety and quality of the product, it should be stored away from direct sunlight in a well-ventilated place (temperature between +5-25 C°; away from children, pets, food and feed. Be sure to close the package when not in use.
- Empty containers are collected and delivered to specialized incinerators and hazardous waste disposal centers in the country for disposal.

Safety Considerations

- In case of skin contact, remove contaminated clothes and wash the skin with soap and water profusely.
- In case of contact with eyes, wash with plenty of water, and call a doctor.

Guarantee

- The company guarantees the product in terms of its composition and components ,the user is responsible for damages resulting from misuse as a result of lack of efficiency

Packaging • All types of packing are available on request.

1Kg

5Kg

10Kg

20Kg

25Kg

NPK



POWDER FERTILIZER

13-8-24+10% CaO

Composition

| Contents | Nitrogen (N) | Phosphorus (P ₂ O ₅) | Potassium (K ₂ O) | Calcium (CaO) |
|----------|--------------|---|------------------------------|---------------|
| W/W | 13 % | 8 % | 24 % | 10% |

Definition

- A fully excellent NPK water-soluble fertilizer contain Nitrogen, Phosphorous, with High Potassium in addition to Calcium

Characteristics

- 100 % soluble in water, pure and safe in all irrigation system.
- Manufactured and produced from high quality raw materials.
- Potassium Promotes highly efficient nutrient absorption by roots and improves water retention in leaves.
- Improves of photosynthesis processes, chlorophyll molecule formation.
- Increasing the rate of growth of fruit, size, color and smell of fruit. Improve quality of fruits
- Early production especially vegetables
- Gives hardiness and thick vegetative growth
- The presence of phosphorus ion increases plant resistance to fungal and bacterial diseases.
- Prevent Calcium deficiencies
- Increases of the rate growth of total vegetative and roots and improve the process of flowering and fixing the set fruits

Method and rate of use

- 2-4 kg / 1000 square meter on all crops : vegetables ,potato green houses , fruits , grapes , citrus , field crops , olive , date palm ,ornamentals , roses, yards and all crops

Mixing

- Prefer to use separately
- Can be mixed with fertilizers but must arrange trial test

Storage and disposal of empty packaging

- To protect the safety and quality of the product, it should be stored away from direct sunlight in a well ventilated place (temperature between +5 -25 C°; away from children, pets, food and feed. Be sure to close the package when not in use.
- Empty containers are collected and delivered to specialized incinerators and hazardous waste disposal centers in the country for disposal.

Guarantee

The company guarantees the product in terms of its composition and components .

Packaging All types of packing are available on request.

1Kg

5Kg

10Kg

20Kg

25Kg



NPK



POWDER FERTILIZER

13.5-0-18.5 + 13%CaO + 1.5MgO

Composition

| Contents | Nitrogen (N) | Phosphorus (P ₂ O ₅) | Potassium (K ₂ O) | Calcium (CaO) | Magnesium (MgO) |
|----------|--------------|---|------------------------------|---------------|-----------------|
| W/W | 13.5% | 0 | 18.50 % | 13% | 1.50% |

Definition

- A fully excellent NPK water-soluble fertilizer contain Nitrogen, Phosphorous, with High Potassium in addition to Calcium and Magnesium .

Characteristics

- 100 % soluble in water, pure and safe in all irrigation system.
- Manufactured and produced from high quality raw materials.
- Potassium Promotes highly efficient nutrient absorption by roots and improves water retention in leaves.
- Improves of photosynthesis processes, chlorophyll molecule formation.
- Increasing the rate of growth of fruit, size, color and smell of fruit. Improve quality of fruits
- Early production especially vegetables
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Method and rate of use

2-4 kg / 1000 square meter on all crops : vegetables ,potato green houses , fruits grapes , citrus , field crops , olive , date palm , ornamentals , roses , yards and all crops

Mixing

- Prefer to use separately
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Storage and disposal of empty packaging

- To protect the safety and quality of the product, it should be stored away from direct sunlight in a well ventilated place (temperature between +5-25 C°; away from children, pets, food and feed. Be sure to close the package when not in use.
- Empty containers are collected and delivered to specialized incinerators and hazardous waste disposal centers in the country for disposal.

Safety Considerations

- In case of skin contact, remove contaminated clothes and wash the skin with soap and water profusely.
- In case of contact with eyes, wash with plenty of water, and call a doctor.

Guarantee

- The company ensures the quality of the product in terms of its composition and volume upon arrival. It is the responsibility of the end-user to use the product as instructed by the company. Damage or misuse to the product may diminish potential results from application and the end user is ultimately at fault.

Packaging

- All types of packing are available on request.

| | | | | | |
|---------|-----|-----|------|------|------|
| Packing | 1Kg | 5Kg | 10Kg | 20Kg | 25Kg |
|---------|-----|-----|------|------|------|

LIQUID NPK

UNIQUE MADA LIQUIDS

Composition : w/v

| (N) w/v Nitrogen | (P ₂ O ₅) w/v Phosphorous | (K ₂ O) w/v Potassium | Notes |
|---------------------|--|-------------------------------------|--|
| 10% | 10% | 10% | + TE |
| 40% | 0% | 0% | Multi N(NO ₃ + NH ₄ +NH ₂) |
| 30% | 0% | 0% | |
| 12% | 28% | 0% | Liquid Urea Phosphate |
| 5% | 70% | 3% | |
| 8% | 48% | 5% | |
| 18% | 46% | 0% | |
| 18% | 46% | 5% | + TE |
| 5% | 40% | 5% | + TE |
| 14% | 6% | 5% | + TE |
| 7% | 21% | 7% | + TE |
| 4% | 16% | 27% | + TE |



- 1) A liquid fertilizer formulas contain NPK nitrogen , potassium and phosphorus
- 2) Increases absorption of elements and leads to moisture retention and increased
- 3) Acidic fertilizers can used easily in alkaline soils
- 4) Used in all crops in different stages of plant growth
- 5) 100% soluble in water
- 6) soil permeability to water and Retention of moisture .
- 7) It promotes early ripening of fruits, increasing plant growth rates, increasing chlorophyll content and enhancing photosynthesis
- 8) Helps improve the process of flowering and fruit set and increase the flower buds and side branches.
- 9) Increases vegetative growth rate for healthy leafy plants and helps in the formation of green chlorophyll
- 10) Increases organic matter content and works to replenish depleted soils and stimulates and increases growth rates and activity of vital processes
- 11) Increasing the strength and ability of plants and crops to prevent and resist fungal diseases.
- 12) 100% soluble in water

| Use & Application Rate can be used for all crops | |
|--|-----------------------------------|
| Soil Application | 0.5 – 1 Ltr / 1000 m ² |
| Foliar Application | 250-300 ml / 200 Ltr water |

Mixing

- Can be mixed with all water-soluble fertilizers, Can be mixed with pesticides.
- Before preparing a final mixture should make some compatibility tests.

Warranty : The company guarantees the product in terms of its composition and components, the user is responsible for damages resulting from misuse as a result of lack of efficiency

MADA GUARD



UNIQUE MADA LIQUIDS

NPK 10-10-10

| (N) w/v Nitrogen | (P ₂ O ₅) w/v Phosphorous | (K ₂ O) w/v Potassium |
|-----------------------|--|---------------------------------------|
| 10% | 10% | 10% |

- 1) A balanced liquid fertilizer is rich in plant nutrients for all stages of plant growth
- 2) Increases absorption of elements and leads to moisture retention and increased soil permeability to water and Retention of moisture .
- 3) Absorbable through leaves and roots
- 4) Helps prevent fungal diseases
- 5) Effective even in cold climates and accelerates growth processes
- 6) It can be used at any stage of plant growth, as well as to strengthen the plant if there is any decline or slowdown in plant activity
- 7) It revives agricultural crops in a short time and protects against any symptoms of deficiency of micro and macro elements
- 8) An excellent foliar fertilizer with low electrical conductivity .
- 9) Helps prevent fungal diseases
- 10) It promotes early ripening of fruits, increasing plant growth rates, increasing chlorophyll content and enhancing photosynthesis
- 11) Helps improve the process of flowering and fruit set and increase the flower buds and side branches.
- 12) Increases vegetative growth rate for healthy leafy plants and helps in the formation of green chlorophyll
- 13) Increases organic matter content and works to replenish depleted soils , stimulates and increases growth rates and activity of vital processes
- 14) Increasing the strength and ability of plants and crops to prevent and resist fungal diseases.

Use & Application Rate: can be used for all crops depend on period of growth

Method and frequency of use

Spray at all stages of growth when needed times during the season 3 - 5

Spraying rate: 1-2 liters/thousand liters of water, repeated every 7-10 days or as needed

For fertilization with other irrigation systems

- Drip irrigation: 1-2 liters/thousand square meters at all growth stages and when needed, repeated every 7-10 days
- Pivot sprayers: 2-4 liters/ha per week
- It is used on all crops: fruit trees, citrus fruits, vegetables, greenhouses, and field crops
- Spray in moderate climates (temperature below 20°C)
- It is added at the beginning of the last quarter of the irrigation time

Mixing

- Do not mix with acidic or alkaline fertilizers
- Take into account the possibility of mixing with pesticides
- Trial test must applied before mixing

Storage and disposal of empty packaging

- It should be stored away from direct sunlight and in well ventilated places away from children, pets, food

Recommendations/cautionsm: If the skin comes into contact with this substance, remove the contaminated clothing and wash the skin abundantly with soap and water In case of contact with eyes, wash eyes with plenty of water and call a doctor

Warranty : The company guarantees the product in terms of its composition and components the user is responsible for damages resulting from misuse as a result of lack of efficiency



MADA LIQUID



UNIQUE MADA LIQUIDS

NPK 18-46-5

Composition

| (N) w/v Nitrogen | (P ₂ O ₅) w/v Phosphorous | (K ₂ O) w/v Potassium |
|---------------------|--|-------------------------------------|
| 18% | 46% | 5% |

Definition

Liquid (Phosphate fertilizer) in addition to potassium that can be applied by irrigation system or foliar application.

Characteristics

- High content of phosphorus with percent of nitrogen and potassium
- Used For Flowering, fruit set, thickness of stem.
- Enhance flowering in sufficient way
- Acidic fertilizer suitable for alkaline soils
- Expand production growth age.
- Suitable for root growth and vegetative growth.
- 100 % soluble in water.

Method and rate of use

- Foliar Application : 150-250 ml / 100 L water For all Crops
- Trees : 150 - 200 ml / Tree
- Soil application: 1-2 L / 1000 m²

Mixing

Compatible with other fertilizers and trial test must be applied before mixing

Storage and disposal of empty packaging

- To protect the safety and quality of the product, it should be stored away from direct sunlight in a well-ventilated place

Safety Considerations

- In case of skin contact, remove contaminated clothes and wash the skin with soap and water profusely.
- In case of contact with eyes, wash with plenty of water, and call a doctor.

Guarantee

The company guarantees the product in terms of its composition and components, the user is responsible for damages resulting from misuse as a result of lack of efficiency

MADA LIQUID



UNIQUE MADA LIQUIDS

NPK 5-70-03

Liquid Phosphorus Fertilizer

| (N) w/v Nitrogen | (P ₂ O ₅) w/v Phosphorous | (K ₂ O) w/v Potassium |
|---------------------|---|-------------------------------------|
| 5% | 70% | 3% |

Liquid high Phosphorous fertilizer that can be applied by irrigation system or foliar application.

Characteristics

- High content of phosphorus with percent of nitrogen and potassium
- Improve Flowering, fruit set, thickness of stem.
- Enhance flowering and rooting
- Acidic fertilizer suitable for alkaline soils which make it easy absorption by the plant
- Release fixing elements in the soil
- Expand production growth age.
- Suitable for root growth and vegetative growth.
- Used for all crops
- Used by irrigation system and foliar application
- 100 % soluble in water

Method and rate of use

- Foliar Application : 150-250 ml / 100 L water For all Crops
- Soil application: 1-2 L / 1000 m²

Mixing

Compatible with other fertilizers and trial test must be applied before mixing

storage and disposal of empty packaging

- To protect the safety and quality of the product, it should be stored away from direct sunlight in a well-ventilated place

Safety Considerations

- In case of skin contact, remove contaminated clothes and wash the skin with soap and water profusely.
- In case of contact with eyes, wash with plenty of water, and call a doctor.

Guarantee

- The company guarantees the product in terms of its composition and components, the user is responsible for damages resulting from misuse as a result of lack of efficiency

MADA LIQUID



NPK12-28-0

Liquid Urea Phosphate

| Contents | Nitrogen (N) | Phosphorus (P ₂ O ₅) | Potassium (K ₂ O) |
|---------------------|--------------|---|------------------------------|
| Weight / Volume W/V | 12 % | 28 % | 0 % |

Definition

Liquid Urea Phosphate fertilizer that can be applied by irrigation system or foliar application.

Characteristics

- High content of phosphorus and percent of nitrogen
- Used in all irrigation systems
- Enhance Flowering, fruit set, thickness of stem.
- Help in releasing fixing elements especially in alkaline soils
- Enhance and increase root network
- Expand production growth age.
- Suitable for root growth and vegetative growth.
- Used for all crops
- 100 % soluble in water

Method and rate of use

- Foliar Application : 150-250 ml / 100 L water For all Crops
- Soil application: 1-3 L / 1000 m²

Mixing

Compatible with other fertilizers and trial test must be applied before mixing

storage and disposal of empty packaging

- To protect the safety and quality of the product, it should be stored away from direct sunlight in a well-ventilated place

Safety Considerations

- In case of skin contact, remove contaminated clothes and wash the skin with soap and water profusely.
- In case of contact with eyes, wash with plenty of water, and call a doctor.

Guarantee

- The company guarantees the product in terms of its composition and components, the user is responsible for damages resulting from misuse as a result of lack of efficiency

MADA LIQUID



NPK 18-46-0

Composition

| (N) w/v Nitrogen | (P ₂ O ₅) w/v Phosphorous | (K ₂ O) w/v Potassium |
|---------------------|---|-------------------------------------|
| 18% | 46% | 0% |

Definition

Liquid (Phosphate fertilizer) that can be applied by irrigation system or foliar application.

Characteristics

- High content of phosphorus with percent of nitrogen and potassium
- Used for Flowering, fruit set, thickness of stem.
- Enhance flowering
- Acidic fertilizer suitable for alkaline soils
- Expand production growth age.
- Suitable for root growth and vegetative growth.
- 100 % soluble

Method and rate of use

- Foliar Application : 150-250 ml / 100 L water For all Crops
- Soil application: 1-2 L / 1000 m²

Mixing Compatible with other fertilizers and trial test must be applied before mixing

Storage and disposal of empty packaging

- To protect the safety and quality of the product, it should be stored away from direct sunlight in a well-ventilated place

Safety Considerations

- In case of skin contact, remove contaminated clothes and wash the skin with soap and water profusely.
- In case of contact with eyes, wash with plenty of water, and call a doctor.

Guarantee

- The company guarantees the product in terms of its composition and components, the user is responsible for damages resulting from misuse as a result of lack of efficiency

MULTI LIQUID N



UNIQUE MADA LIQUIDS

NPK 40 / 0 / 0
Multi N : (NH₄ , NO₃ , NH₂)

Composition

| Contents | Nitrogen (N) | Phosphorus (P ₂ O ₅) | Potassium (K ₂ O) |
|------------------------|--------------|---|------------------------------|
| Weight / Volume W/V | 40 % | 0 % | 0 % |

Definition

- Unique Liquid Nitrogen fertilizer that can be applied directly to the soil or as foliar application.

Characteristics

- High Nitrogen formula with 3 shapes of Nitrogen (Nitrate, Urea, Ammonium)
- liquid fertilizer suit warm or cold season
- Increase vegetative growth to be harmonized with other growths.
- Improvement and increase production
- Free sodium and chloride.
- Recommended when high rates of nitrogen are required during periods of vegetative growth.
- Ideal for fertigation and foliar application.
- Suitable for all crops.
- Increase the quantity and quality of production.
- Highly soluble and pure, safe for use in all irrigation and spraying system.
- Recommended to use in all types of soils
- Effective fertilizer for effective absorption by plants.
- Can use in all irrigation systems. Can be applied as foliar or by drip irrigation



Method and rate of use

| Crops | Soil application/ 1000 square metere | Foliar application ml/ 200 L Water | Time of application |
|--|---|------------------------------------|--|
| Olives, grapes | 100-150 ml/ tree | 200-300 | 2 - 3 applications: - At the beginning - During intensive plant growth |
| Citrus, banana, fruit (apple), | 100-200 ml / tree | 200-300 | During periods of intensive plant growth and during fruit development stage |
| Tomato, cucumber , Cabbage, Cauliflower Flowers, | 2-4 L / 1000 meter | 200-300 | Throughout the crop cycle |
| Vegetable : Open field Green houses | 2-4 L/ 500 m ² 2-4 L/ 1000 m ² | 200 | Several times |

In general : Foliar : 200ml /200 liter water • Soil : 2- 4 Liter / 1000 meter

Mixing

- Can be mixed with all water - soluble fertilizers, except sulfate and phosphate fertilizers.
- Can be mixed with pesticides. trial test must be applied.

Storage and disposal of empty packaging

- To protect the safety and quality of the product, it should be stored away from direct sunlight in a well ventilated place (temperature between +5-25 C°; away from children, pets, food and feed. Be sure to close the package when not in use.

Safety Considerations

- In case of skin contact, remove contaminated clothes and wash the skin with soap and water profusely.

Guarantee

- The company guarantees the product in terms of its composition and components, the user is responsible for damages resulting from misuse as a result of lack of efficiency

Packaging All types of packing are available on request.

DKP LIQUID

UNIQUE MADA LIQUIDS

NPK 0-30-40

Composition

Liquid Fertilizer(DKP)

| Contents | Nitrogen (N) | Phosphorus (P ₂ O ₅) | Potassium (K ₂ O) |
|------------------------|--------------|---|------------------------------|
| Weight / Volume W/V | 0 % | 30 % | 40 % |

Definition Liquid fertilizer that can be applied directly to the soil or as a foliar application.

Characteristics

- Used in the advanced stages of growth when the need for high levels of phosphorus and potassium .
- Enhances plant nutrition in acidic soils.
- Suitable for a wide range of crops.
- Fast absorption by the leaves, especially when there are circumstances hinder absorbed by the roots.
- Highly soluble and pure, safe for use in all irrigation and spraying system.
- Increase the quantity and quality of production.
- Alkaline reaction in aqueous solution.

Method and rate of use

Foliar Application : 1-1.5 L / 1000 m² For all Crops

| crops | Soil application |
|--------------|---|
| Fruit Trees | 1-2 L / 1000 m ² 50-100 ml / Tree |
| Citrus | 1.5-2 L / 1000 m ² |
| Vegetables | 1-2 L / 1000 m ² |
| Green houses | 1-1.5 L / green house |
| Field crops | 10-15 L / hectare |



- Mixing**
- Can be mixed with all water soluble fertilizers, except calcium , magnesium , acidic , Sulfuric fertilizers.
 - Unmixable with pesticides. trial test must be applied.

Safety Considerations

- In case of skin contact, remove contaminated clothes and wash the skin with soap and water profusely.
- In case of contact with eyes, wash with plenty of water, and call a doctor.

Guarantee

- The company ensures the quality of the product in terms of its composition and volume upon arrival. It is the responsibility of the end user to use the product as instructed by the company. Damage or misuse to the product may diminish potential results from application and the end user is ultimately at fault.

- Packaging**
- All types of packing are available on request.

KTS LIQUID



UNIQUE MADA LIQUIDS

Liquid Potassium with Sulphur Fertilizer / Potassium Thiosulfate (K_2SO_3)

Composition

| Contents | Potassium(K_2O) | Sulfur (S) |
|------------------------|---------------------|------------|
| Weight / Volume W/V | 36 % | 25 % |

Definition

KTS is homogeneous Liquid fertilizer, built from high quality raw material that contains potassium and Sulfur contents. It is complete soluble, Suitable for fertigation systems and foliar application.

Characteristics

- Reduces potassium deficiency, bringing immediately visible result.
- Sulfur Promotes highly efficient nutrient absorption by roots.
- Recommended for use in saline, calcareous soils and with hard water due to its low acidity properties.
- Sulfur improves protein and seed quality, and also enhances resistance to pests and diseases.
- Improves fruit set and ripening, increases size, color and taste of fruits due to present of potassium.
- Increases tolerance of crops to fungal diseases due to present of sulfur and potassium.
- Helps improve sugar content and juiciness of fruit.
- Use in cold seasons as active source of potassium and sulfur.

Method and rate of use

- Soil application: 1-3 liter per 1000 meter square / 7-14 days.
- Foliar application: 150-200 ml / 200 liter of water.
- Application rate depend on age of plant and requirement of potassium.
- Shake gallon well before use.

Mixing

- Don't mixed with fertilizers or pesticides
- Before preparing a final mixture should make some compatibility tests.

Storage and disposal of empty packaging

- To protect the safety and quality of the product, it should be stored away from direct sunlight in a wellventilated place (temperature between +5-25 C°; away from children, pets, food and feed. Be sure to close the package when not in use.
- Place of the warehouse should be the highest comparing to the surrounding terrain. The gallon must be placed on wooden trays. When heated above 200 °C fertilizers give off gases. Avoid storage near flammable gases, electric motors and internal combustion engines, instruments and chemicals.
- Empty containers are collected and delivered to specialized incinerators and hazardous waste disposal centers in the country for disposal.

Safety Considerations

- In case of skin contact, remove contaminated clothes and wash the skin with soap and water profusely.
- In case of contact with eyes, wash with plenty of water, and call a doctor.

Guarantee

The company guarantees the product in terms of its composition and components the user is responsible for damages resulting from misuse as a result of lack of efficiency

Packaging

- All types of packing are available on request.



KTC LIQUID

UNIQUE MADA LIQUIDS

Composition

Liquid Organic Potassium

| Contents | Organic Matter (O.M) | Potassium (K ₂ O) |
|------------------------|----------------------|------------------------------|
| Weight / Volume W/V | 50 % | 36 % |

Definition Fertilizer enriched with organic potassium and special additives.

Characteristics

- Organic chelated potassium increases nutrient absorption, prevents fixation in the soil.
- Reduces potassium deficiency, bringing immediately visible result.
- Promotes highly efficient absorption by roots.
- It is recommended for use in moderate to low doses due to the high concentration of pure potassium.
- Improves fruit set, increases its size, color and taste.
- Increases sugar content, juiciness of fruit and its structure.
- Increases tolerance of crops to fungal diseases.

Method and rate of use : vegetables , fruits , field crops

Application rate depend on age of plant and requirement of potassium.

Generally recommended to use: 1-2 liter per 1000 meter square / 7 – 14 days.

Foliar application : 300-600 ml / 100 L water depend on crops

* Used after fruit setting

* Repeated at least 3 times

| Crops | Rate of use | Notice |
|---|---|--|
| Vegetables : Irrigation Foliar | 10-20 Ltr/ ha 0.3 – 0.6Ltr/100 L water | Minimum 3 applications/season for all plants . Start application after fruit setting |
| Fruits : Irrigation Foliar | 15-30 Ltr/ ha 0.3-0.6 Ltr/100 L water | |
| Forages & cereals : Irrigation Foliar | 12-16 Ltr/ ha 0.3-0.6 Ltr/100 L water | |

Mixing: can be mixed with most of fertilizers and pesticides

Trial test must be applied before mixing

Storage and disposal of empty packaging

- To protect the safety and quality of the product, it should be stored away from direct sunlight in a well ventilated place (temperature ed. Be between +5-25 C°; away from children, pets, food and festure to close the package when not in use.
- Empty containers are collected and delivered to specialized incinerators and hazardous waste disposal centers in the country for disposal.

Safety Considerations

- In case of skin contact, remove contaminated clothes and wash the skin with soap and water profusely.
- In case of contact with eyes, wash with plenty of water, and call a doctor.

Guarantee

The company guarantees the product in terms of its composition and components, the user is responsible for damages resulting from misuse as a result of lack of efficiency

Packaging • All types of packing are available on request.



MADA LEADER



UNIQUE MADA LIQUIDS

NPK 0/45/55

Composition

Liquid Phosphorus Potassium Fertilizer

| Contents | Nitrogen (N) | Phosphorus (P ₂ O ₅) | Potassium (K ₂ O) |
|------------------------|--------------|---|------------------------------|
| Weight / Volume W/V | 0 % | 45 % | 55 % |

Definition

NPK 0-45-55 is homogeneous Liquid fertilizer, built from high quality raw material that contains high percent of Phosphorus and Potassium. It is complete soluble, Suitable for fertigation systems and foliar application.

Characteristics

- Increase and encourage the growth of roots, especially the adventitious and fibrous roots due to presence of phosphorus.
- Activates the flowering process and the formation of flowers, whether at the beginning of growth or at the stage of harvest.
- Potassium increases the size, color, maturity and taste of the fruits and increases the percentage of sugars in the fruits
- Potassium has a major role in regulating water in the plant and affects the absorption of water, nutrients and proteins through the roots of the plant to the leaves through the stem and its loss through the pores.
- Improves plant resistance to drought.
- Keeps up all processes of development in plant for better quality of yield.
- Increases plant sustainability to diseases and stress caused by weather especially drought and chemical use.

Method and rate of use

| Crops | Soil Application / 1000 m ² | Foliar Application / 200 Ltr of water |
|---|---|--|
| Fruit Trees grapes - Citrus Banana | 1-2 L | 200 -500 ml |
| Green Houses Tomato – Cucumber | 0.5 -1 L / green house | 200 -500 ml |
| Vegetables Orange - Grapes - Potato peach - pomegranate - barley –wheat | 2-3 L | 200 -500 ml |
| Field crop -wheat barley | 1-2 L | 200 -500 ml |
| Ornamental plants | 1-2 L | 200 -500 ml |



- ## Mixing
- Can be mixed with all water-soluble fertilizers, Can be mixed with pesticides.
 - Before preparing a final mixture should make some compatibility tests.

Storage and disposal of empty packaging

- To protect the safety and quality of the product, it should be stored away from direct sunlight in a well ventilated place (temperature between +5-25 C°; away from children, pets, food and feed. Be sure to close the package when not in use.
- Empty containers are collected and delivered to specialized incinerators and hazardous waste disposal centers in the country for disposal.

Safety Considerations

- In case of skin contact, remove contaminated clothes and wash the skin with soap and water profusely.
- In case of contact with eyes, wash with plenty of water, and call a doctor.

Guarantee

The company guarantees the product in terms of its composition and components the user is responsible for damages resulting from misuse as a result of lack of efficiency

Packaging All types of packing are available on request.

MADA BOR

Fruit Setting & Flowers



UNIQUE MADA LIQUIDS

B: 8% Mo : 1%

Unique Product for flowering and fruit set (Boron & Molybdenum)

Composition : W/V

| | |
|------------|----|
| B boron | 8% |
| Molybdenum | 1% |

Properties

- 1- A unique and complex compound in the form of high concentration boron Complicated with *Ethyl Amine* manufactured specifically for the treatment of boron and molybdenum
- 2- Fertilizer enhance flowering and fruit formation process,
- 3- Increase the flower fertility (increase and stabilize flower setting)
- 4- improve setting and flowering by increasing pollen fertility and flower fertilization
- 5- Fast action and absorption due the effect of boron *Ethyl Amine* , which facilitates the absorption and assimilation of boron
- 6- Can be used through foliar spraying and irrigation network
- 7- Increases root growth, number of root hairs and improves the absorption of nutrients
- 8- Molybdenum regulates the reduction of nitrates and their non accumulation within the plant
- 9- Use to avoid deficiency of boron and molybdenum, which are necessary for flowering, setting, and fruit growth, and thus achieves a significant increase in the rates of flowering, pollination, setting, and fruit growth, and thus a significant increase in yield
- 10- Help in formation of hormones in the plant
- 11- Stimulates the vegetative system and increases the branches and vegetative buds
- 12- Preventing physiological manifestations such as the heterogeneity of grape seeds in the cluster, dead cells in the fruit pulp and the black heart phenomenon in beets
- 13- It works to prevent the phenomenon of blushing in the side branches , prevent yellowing or burning of the terminal leaves, and prevent the leaves from curling
- 14- 100% soluble in water

Application Rate

| The crop | ml / 200 L Water | Period |
|---|------------------|--|
| Vegetables | 150-250 | The presence of sufficient vegetative growth and before flowering |
| Green Houses | 200 | 3-4 times during the growth stage |
| Fruit trees and citrus | 200-300 | before the flowering stage and during fruit setting |
| Vineyards | 200-300 | At the beginning of the appearance of clusters, before flowering, and when the grains mature |
| Peaches, apricots, apples, pears and apples | 200-300 | The flowering stage, the petal fall stage and after harvest |
| Olive | 200-300 | fruit set In the spring before flowering and during |
| Strawberry | 200-300 | Before flowering, repeat 2 -3 |
| Other crops | 200-300 | In general, 2 to 3 times in period of growth and flowering |

Mixing Mix with most fertilizers and agricultural chemical products.

Trial test must applied before mixing Do not mix with oils, copper and high alkaline products

Storage: Store in a dry, Well ventilated stores . keep out of reach for children

Guarantee The company guarantees the product in terms of its composition and components, the user is responsible for damages resulting from misuse as a result of lack of efficiency

MAXIMOS



UNIQUE MADA LIQUIDS

Organic Magnesium

Contents : (W/V)%

| Content | Magnesium (MgO) | Nitrogen (N): |
|---------|-------------------|-----------------|
| w/v | 10% | 6% |

Specification and Advantages :

- 1- Concentrated liquid fertilizer developed to treat Magnesium deficiency, especially the parts between the veins, which turn yellow in case of Magnesium deficiency
- 2- Chelated on amino acids to increase effectiveness more than magnesium salts .
- 3- Mg : is related to the formation of oils within plant tissues and is involved in the synthesis of the chlorophyll molecule
- 4- It helps in the movement of phosphorus and carbohydrates within the plant
- 5- It is necessary to activate a number of enzymes
- 6- It helps in the formation of carbohydrates, their entry into the plant, and improving the quality of fruits
- 7- Activates the formation of amino acids and vitamins
- 8- Activates sulfur containing enzyme
- 9- For correction Magnesium deficiency.
- 10- Can use in all irrigation systems and foliar.
- 11- 100% soluble in water
- 12- Increase the age of plants .
- 13- Improvement fruit quality .

Method and rate of use

- * in general 200-400 ml / 200 L water
- * Irrigation System : 1- 2 L / 1000 meter

| Crop | Rate of use | Comments |
|--------------------|-----------------------------------|---------------------------|
| Vegetable : | 2-3 Lt/ha 12-16 Lt/ha | Foliar Drip irrigation |
| Fruit Tree | 1-2 Lt/1000Lt Water 8-12 Lt/ha | Foliar Drip irrigation |
| Cereals or Forages | 8-12 Lt/ha | Drip irrigation |



Mixing

- mix with fertilizers except calcium. Do not be mix with mineral oil.
- Can be mixed with pesticides.
- Before preparing a final mixture should make some compatibility tests.

Storage and disposal of empty packaging

- To protect the safety and quality of the product, it should be stored away from direct sunlight in a well ventilated place (temperature between +5-25 C°; away from children, pets, food and feed. Be sure to close the package when not in use.
- Empty containers are collected and delivered to specialized incinerators and hazardous waste disposal centers in the country for disposal.

Safety Considerations

- In case of skin contact, remove contaminated clothes and wash the skin with soap and water profusely.
- In case of contact with eyes, wash with plenty of water, and call a doctor.

Guarantee

- The company guarantees the product in terms of its composition and components ,the user is responsible for damages resulting from misuse as a result of lack of efficiency

MADA

Phosphoric

Liquid PHOSPHORUS FERTILIZER



UNIQUE MADA LIQUIDS

H_3PO_4 :85%(P_2O_5 61%)

Composition

| Contents | Phosphoric acid (H_3PO_4) |
|------------------------|----------------------------------|
| Weight / Volume W/V | 85 % |

Definition Acidic Liquid fertilizer with high phosphorus.

Product Characteristics

- High phosphorus fertilizer.
- Low on sodium and chloride.
- Recommended when the pH of the irrigation water needs to be reduced and when high rates of phosphorus are required e.g. during periods of intensive root development.
- Compatible with most water soluble fertilizers, except those containing calcium to enhance root and root hair growth.
- Flowering, fruit set, thickness of stem.
- Helps in clean irrigation systems.

Method and rate of use

- Soil application: 1-2liter/1000m²
- Foliar application: 150-250 ml / 100 liter water for all crops.

Mixing

- In general Phosphoric Acid 85% Liquid is compatible with pesticides as well as most commonly used fertilizers.
- It is advisable to confirm compatibility by preparing a sample of the mix at the intended concentrations in order to rule out the possibility of a detrimental cross-reaction.
- This mixture should be tested on small area before commercial treatment, in order to assess if any adverse effect occurs.
- When preparing a stock solution of Phosphoric Acid 85% Liquid, one should not mix it with fertilizers containing calcium.
- In case application should be done at the same moment, the usage of a separate tank for this product is needed. Alternatively, it can be applied at a different time.



Storage and disposal of empty packaging

- To protect the safety and quality of the product, it should be stored away from direct sunlight in a well ventilated place (temperature between +5 - 25 C°; away from children, pets, food and feed. Be sure to close the package when not in use.
- Empty containers are collected and delivered to specialized incinerators and hazardous waste disposal centers in the country for disposal.

Safety Considerations

- In case of skin contact, remove contaminated clothes and wash the skin with soap and water profusely.
- In case of contact with eyes, wash with plenty of water, and call a doctor.

Guarantee

- The company guarantees the product in terms of its composition and components ,the user is responsible for damages resulting from misuse as a result of lack of efficiency

Packaging

- All types of packing are available on request.

POTAGROW



UNIQUE MADA POWDER

| Content | Nitrogen (N) | Phosphorus (P ₂ O ₅) | Potassium (K ₂ O) | Sulfur SO ₃ | Magnesium MgO | Zinc Zn |
|---------|--------------|---|------------------------------|------------------------|---------------|---------|
| w/w | 13% | 25% | 14% | 5.4% | 3.3% | 1.6% |

Definition and Characteristics

- A special fertilizer for potato crops that contains nitrogen, phosphorus, potassium, zinc, magnesium and sulfur According to very special specifications for use in various stages of plant growth
- Fast absorbance through plant tissue and stomata.
- Acidic reaction
- Fertilizer with a low pH (acidic) to help modify the alkalinity of the soil
- Increase number and size of tubers.
- Increase tubers uniformity.
- Increase the period of storage.
- Increase the vegetative growth.
- It increases the number of tubers in potatoes
- Improves the quality of potato tubers with ideal and balanced growth uniformity
- It increases root growth, which reflects positively on production
- It is used on all crops in general



Method and Rate Of Use

| Stage | Applications | Rate Of Use |
|--------------|--|-------------|
| First Spray | Tuber Initiation (40-50 Days After Planting) | 10 kg/ha |
| Second Spray | After 10 Days From First Spray | 10 kg/ha |
| Third Spray | After 10 Days From Second Spray | 10kg/ha |

Notice: Last application should be before flowering.

It can be used through the irrigation network at a rate of 1-1.5 kg per thousand square metres

Mixing

Mixable with most fertilizers and pesticides (except calcium) It is preferable to conduct a trial before mixing

Storage and disposal of empty containers: It must be stored away from direct sunlight and in well-ventilated places

Recommendations/cautions

- If the skin comes into contact with this substance, remove the contaminated clothing and wash the skin abundantly with soap and water
- In case of contact with eyes, wash eyes with plenty of water and call a doctor

The warranty Client is responsible for damages resulting from misuse as a result of lack of efficiency

TOMAGROW



UNIQUE MADA POWDER

Composition

| Content | Nitrogen (N) | Phosphorus (P ₂ O ₅) | Potassium (K ₂ O) |
|---------|----------------|--|------------------------------|
| w/w | 10% | 20% | 30% |

Properties

1. Unique Formula of NPK fertilizer for tomato and other crops with a very special percentages , produced in sufficient way
2. High purity raw materials
3. Completely soluble in water and quickly absorbed by the plant
4. High potash fertilizer used for tomatoes and other crops
5. improve production quantity and quality
6. It can be used by irrigation systems and by foliar application
7. Chlorine and sodium free

Usage rates: Method* and Rate Of Use

| The crop | Usage rate | comments |
|-------------------|------------------------|--------------------|
| Tomato | 20- 40 Kg / Ha | Weekly |
| Green Houses | 30-70 kg / Ha | Weekly |
| Vegetables | 20-40 kg / Ha | Weekly |
| Fruit trees | 50-150 gram / tree | 3-5 times / season |
| Citrus and olives | 100-250 gram / tree | 3-5 times / season |
| Field crops | 15-20 kg / Ha | 3-5 times / season |
| Nurseries | 150 Gram / 100 L water | 1-3 times / season |



Mixing

Mixable with most fertilizers and pesticides (except calcium) It is preferable to conduct a trial before mixing

Storage and disposal of empty containers: It must be stored away from direct sunlight and in well ventilated places

Recommendations/cautions

- If the skin comes into contact with this substance, remove the contaminated clothing and wash the skin abundantly with soap and water
- In case of contact with eyes, wash eyes with plenty of water and call a doctor

The warranty Client is responsible for damages resulting from misuse as a result of lack of efficiency

MADA CALBOR



MADA SPECIAL POWDER

CaO 30% + B 1% (N Free)

COMPOSITION

Calcium (CaO) 30% Boron (B) 1%

- fertilizer to prevent and correct calcium and boron deficiencies. It acts on the firmness of plants tissues to prevent bitter pit in apples and strawberries, blossom end rot in tomatoes and cucumber, leaf necrosis in lettuce, splitting in citrus fruits, etc.
- Calcium is essential for proper development of root, branches and general growth of crops
- Boron and calcium improve cell division and strengthen cell walls, which results in a better quality
- Boron promotes the development of shoots and roots, improves pollination, flowering and fruiting ,
- Apply to all types of crops in case of slight to moderate deficiencies or for preventative treatments
- Ideal for application to all types of crops using any irrigation system.
- 100% soluble in water of fruit, vegetables, and grains.
- Deficiency corrector for Calcium and Boron in severe conditions symptoms

DOSE AND INSTRUCTIONS FOR USE

| CROPS | APPLICATION DOSSES | | APPLICATIONS |
|--------------------------|--------------------|--------------|----------------------|
| | Foliar Gram /200L | Soil Kg / Ha | |
| Citrus and Fruit Trees | 350 -450 | 3-5 | 3-4 applications |
| Horticultural vegetables | 300 -450 | 3-5 | Several applications |
| Green Houses | 250 -350 | 2-3 | Several applications |
| Tropical | 200 -350 | 6-7 | Several applications |
| Vine and Olive Tree | 350 -450 | 5-6 | 2-3 applications |
| Other Crops | 100 -300 | 4-5 | 2-3 applications |

Mixing

- Mixable with most fertilizers and pesticides
- It is preferable to conduct a trial before mixing.

Recommendations/cautions:

If the skin comes into contact with this substance, remove the contaminated clothing and wash the skin abundantly with soap and water. In case of contact with eyes, wash eyes with plenty of water and call a doctor.

The warranty :

client s responsible for damages resulting from misuse as a result of lack of efficiency

FLOWERISM



UNIQUE MADA POWDER

Unique Fertilizer for Fruit setting and Coloring

| Content | Nitrogen (N) Nitrogen | Molybdenum Mo | Phosphorus P ₂ O ₅ |
|---------|--------------------------|------------------|---|
| w/w | 4% | 3% | 21% |

Characteristics

- 1) A fruit setting product consist of phosphorus, nitrogen and molybdenum fast absorbed by plant cells
- 2) The elements are complexed on organic materials to increase their efficiency and effectiveness within the plant
- 3) Increasing the efficiency of fruit setting with early setting and improving fruit color and quality
- 4) Increase production (quantity and quality)
- 5) It helps in stimulating flowering while increasing fertility
- 6) Increase the formation of root nodes and give strong root net work
- 7) Molybdenum regulates the reduction of nitrates and their non accumulation within the plant
- 8) Because it works at different temperatures this greatly increases the rate of fruit setting
- 9) It is used on all agricultural crops
- 10) 100% soluble in water

Application

| The crop | Usage rate | comments |
|-------------|---------------------------|---|
| Vegetables | 40- 50 Gram / 200 L Water | After the flowering stage, then every 15 days |
| trees Fruit | 40- 50 Gram / 200 L Water | After the flowering stage, then every 15 days |

Mixing

It should not be mixed with pesticides. It is trial test must be applied before mixing It can be mixed with most fertilizers except calcium

Storage and disposal of empty packaging

- It should be stored away from direct sunlight and in well ventilated places away from Recommendations/cautions
- If the skin comes into contact with this substance, remove the contaminated clothing and wash the skin abundantly with soap and water
- In case of contact with eyes, wash eyes with plenty of water and call a doctor

The warranty:

client s responsible for damages resulting from misuse as a result of lack of efficienci

MADA STAR Fe 6 % Chelated Fe (EDDHA)



POWDER CHELATS

(EDDHA) Ethylene Diamine Di(O – Hydroxyphenyl Acetate)

Specification and Advantages :

1. Powder form.
2. Chelated Iron with EDDHA so prevent Fe fixation in alkaline soil because of chelating agent
3. Fully soluble in water.
4. High quality.
5. Fast absorption by roots in alkaline soils
6. For correction deficiencies of Fe
7. Fe Essential for formation of chlorophyll.
8. Fe releases energy from sugars & starches.
9. 100% Soluble in water
10. Can use in all irrigation systems

Deficiency Symptoms:

Leaves yellowish or white. (young leaves first) and Veins green, affected leaves curl up.

Aim of use :

- 1 Prevent Iron deficiency .
- 2 Treat of acute Iron deficiency.
- 3 To use in alkaline soil.

Corp and rate of use :

| Crop | Rate of use | Time of application |
|-----------------|---------------------------|---|
| Citrus: | | |
| - Small Tree: | 10 – 50 gm/ Tree | 3 Times and upon request |
| - Large Tree: | 50 – 120 gm/ Tree | 3 Times and upon request |
| Fruit tree: | | |
| - Small Tree; | 20 – 35 gm/ Tree | 2 Times and upon request |
| - Large Tree: | 40 – 100 gm/ Tree | 2 Times and upon request |
| Vegetable | 15 -25 kg / ha | 2 Times and upon request |
| Grapes | | |
| - Small Tree: | 5 – 10 gm/ Tree | Before flower blooming and upon request |
| - Large Tree: | 10 – 20 gm/ Tree | |
| - Table grapes: | 20 – 40 gm/ Tree | |
| Vegetable | 200 – 500 gm / 1000 Meter | Several times |

Mixing

- Mixable with most fertilizers in irrigation systems
- preferable to conduct a trial before mixing

Storage and disposal of empty containers:

-It must be stored away from direct sunlight and in well ventilated places

Recommendations/cautions:

contaminated clothing and wash the skin abundantly with If the skin comes into contact with this substance, remove the soap and water In case of contact with eyes, wash eyes with plenty of water and call a doctor

The warranty:

client efficiencys responsible for damages resulting from misuse as a result of lack of efficiency

MADA STAR

Fe 13% EDTA



POWDER CHELATS

| Content | W/W | Chelated |
|---------|-----|----------|
| Fe | 13% | EDTA |

Specification And Advantages :

- 1) Powder Fe EDTA chelates fertilizer
- 2) For correction deficiencies of Fe
- 3) Fe Essential for formation of chlorophyll.
- 4) Fe releases energy from sugars & starches.
- 5) 100% Soluble in water
- 6) Can use in all irrigation systems
- 7) Can mix with fertilizer or pesticide, trial test must be applied before mixing
- 8) Foliar application effective than drip irrigation.

Deficiency Symptoms:

Leaves yellowish or white.(young leaves first)
& Veins green, affected leaves curl up.

Dosage Depend on type of crop , growth stage of each crop

Irrigation System : 200-400 Gram / 1000 meter square

Foliar Application : 150 - 400 gram / 200 Liter of water

Mixing

- Mixable with most fertilizers and pesticides
- It is preferable to conduct a trial before mixing

Storage and disposal of empty containers:

- It must be stored away from direct sunlight and in well ventilated places

Recommendations/cautions

If the skin comes into contact with this substance, remove the contaminated clothing and wash the skin abundantly with soap and water contact with eyes, wash eyes with plenty of water and call a doctor in case

The warranty : client is responsible for damages resulting from misuse as a result of lack of efficiency

Zn 13% EDTA

Zn 13%

| Content | W/W | Chelated |
|---------|-----|----------|
| Zn | 13% | EDTA |

Specification And Advantages :

- 1) Powder Zn EDTA chelates fertilizer
- 2) For correction deficiencies of Zn
- 3) Zn Serves as an activator for enzymes in growth processes
- 4) Assist iron in chlorophyll formation.
- 5) Generally required with zinc in foliar spraying of Citrus.
- 6) 100 % Soluble in water
- 7) Can use in all irrigation systems.
- 8) Can mix with fertilizer or pesticide, trial test must be applied before mixing
- 9) Foliar application effective than drip irrigation.

Deficiency symptoms :

Interveinal chlorosis of young leaves.
Gradation of pale color next to veins.
Development of gray specks (oats).

Interveinal white streaks (wheat) or Interveinal brownspots (barley).

Mixing

- Mixable with most fertilizers and pesticides
- It is preferable to conduct a trial before mixing

Storage and disposal of empty containers:

- It must be stored away from direct sunlight and in well ventilated places

The warranty : client resulting from misuse as a result of lack of efficiency responsible for damages



POWDER CHELATS

Mn 13% EDTA

Mn 13%

| Content | W/W | Chelated |
|---------|-----|----------|
| Mn | 13% | EDTA |

Specification And Advantages :

- 1) Powder Mn EDTA chelates fertilizer
- 2) For correction deficiencies of Mn
- 3) Manganese Mn Serves as an activator for enzymes in growth processes
- 4) Assist iron in chlorophyll formation.
- 5) Generally required with zinc in foliar spraying of Citrus.
- 6) 100 % Soluble in water
- 7) Can use in all irrigation systems.
- 8) Can mix with fertilizer or pesticide, trial test must be applied before mixing
- 9) Foliar application effective than drip irrigation.

Deficiency Symptoms

Interveinal chlorosis of young leaves.
 Gradation of pale color next to veins.
 Development of gray specks (oats).
 Interveinal white streaks (wheat) or Interveinal brownspots (barley).

Dosage Depend on type of crop , growth stage of each crop

Irrigation System : 200-400 Gram / 1000 meter square

Foliar Application : 150- 400 gram / 200 Liter of water

Mixing:

- Mixable with most fertilizers and pesticides
- It is preferable to conduct a trial before mixing

Recommendations/cautions: If the skin comes into contact with this substance, remove the contaminated clothing and wash the skin abundantly with soap and water In case of contact with eyes, wash eyes with plenty of water and call a doctor

The warranty : client s responsible for damages resulting from misuse as a result of lack of efficiency

Cu 13% EDTA

Cu 13%

| Content | W/W | Chelated |
|---------|-----|----------|
| Cu | 13% | EDTA |

Specification And Advantages :

- 1) Powder Cu EDTA chelates fertilizer
- 2) Promotes formation of vitamin A, excess is verytoxic
- 3) For correction deficiencies of Cu
- 4) 100% Soluble in water
- 5) Can use in all irrigation systems.
- 6) Can mix with fertilizer or pesticide, trial test must be applied before mixing
- 7) Foliar application effective than drip irrigation.

Deficiency symptoms :

Started growth,die back of terminal shoots in trees Poor pigmentation,wilting&eventual death of leaf tips
 Formation of gum pockets around central pith in oranges

Dosage : Depend on type of crop , growth stage of each crop

Irrigation System : 200-400 Gram / 1000 meter square

Foliar Application : 150- 400 gram / 200 Liter of water

Mixing

- Mixable with most fertilizers and pesticides - It is preferable to conduct a trial before mixing

Storage and disposal of empty containers:

- It must be stored away from direct sunlight and in well ventilated places

MADA COMPI

CHELATED TRACE ELEMENTS (POWDER)

Fe 6.0% / Mn 2.0% / Zn 2.0% / Mo 0.05% / Cu 1.5% / B 0.5%

Definition

COMBI is a EDTA chelated powder Fertilizer enriched with high amount of chelated micro nutrients and higher amount of organic matter. It is built from high quality raw material. Complete soluble fertilizer in water and this product can be applied directly to the soil or leaves.

Characteristics

- Contain all essential micro elements for plants include : Fe , Mn , Cu , Zn , B , Mo in unique formula
- Soluble in water and high effective in alkaline soils
- High absorption by plants
- Prevent deficiencies if applied frequently
- Fe Essential for formation of chlorophyll and releases energy from sugars & starches
- Zn promote activation of vital enzymes, energy supply, and chlorophyll formation.
- Supports vegetative growth, root development and flowering.
- It treats with high efficiency all symptoms of iron and manganese deficiency, especially in high alkalinity lands.
- Increases ability to tolerate cold, drought, diseases, and other unfavorable conditions.
- Boron promotes development of shoots and roots, ensures proper flowering and better bud formation.
- The copper stimulates the vital processes in the roots and helps facilitate the formation of plant proteins.
- Trace elements reduce nutrient deficiency and provide balanced nutrition.
- Used both by irrigation system and foliar application

Method and rate of use

- Soil application: 200-400 gm / donum.
- Foliar application: 150 – 200 g / 200 L of water.

Crop and rate of use :

| CROP | RATE OF USE | APPLICATION |
|----------------|--|--|
| Vegetables | 1-3 kg/ha Or 40-50 gm/100Ltr water | Many times /season Foliar application |
| Wheat , Barley | 1-3 kg/ha | Many times / season |
| Forages | 3-4 kg/ ha | Many times /season |
| Fruit trees | 20-50 gm/tree Or 150 gm/200 Ltr. water | Many times/ season Foliar application |

Mixing

- Can be mixed with pesticides.
- Before preparing a final mixture should make some compatibility tests.

Storage and disposal of empty packaging

- To protect the safety and quality of the product, it should be stored away from direct sunlight in a well-ventilated place (temperature between +5-25 C°; away from children, pets, food and feed. Be sure to close the package when not in use.
- Empty containers are collected and delivered to specialized incinerators and hazardous waste disposal centers in the country for disposal.

Safety Considerations

- In case of skin contact, remove contaminated clothes and wash the skin with soap and water profusely.
- In case of contact with eyes, wash with plenty of water, and call a doctor.

Guarantee

- client efficiencys responsible for damages resulting from misuse as a result of lackof efficiency



LIQUID Zn 7%



CHELATED TRACE ELEMENTS (POWDER)

| Content | W/V | Chelated |
|---------|-----|-------------------------|
| Zn | 7% | Organic (Gluconic Acid) |

Specification And Advantages :

- 1) Liquid Zn organic (gluconic acid) chelates fertilizer
- 2) For correction deficiencies of Zn
- 3) Zn : An essential constituent of several enzymes.
- 4) Controls synthesis of indole acetic acid (IAA) which important growth regulator.
- 5) Zinc is most often needed by crops like Grapes, Citrus, Pomegranate, Apple, Beans, Tomato, Onion, Cotton and Rice
- 6) 100% Soluble in water
- 7) Can use in all irrigation systems
- 8) Can mix with fertilizer or pesticide, trial test must be applied before mixing
- 9) Foliar application effective than drip irrigation.
- 10) Safe product on all crops

Dosage: Depend on type of crop , growth stage of each crop

Irrigation System : 200-400 ml / 1000 meter square

Foliar Application : 150- 400 ml / 200 Liter of water

Deficiency symptomsOf Zn :

- Decreased stem length and resetting of terminal leaves
- Reduced fruit bud formation
- Mottled leaves and stripping of corn leaves

Mixing

- Mixable with most fertilizers and pesticides
- It is preferable to conduct a trial before mixing

Storage and disposal of empty containers: It must be stored away from direct sunlight and in well ventilated places

Recommendations/cautions

If the skin comes into contact with this substance, remove the contaminated clothing and wash the skin abundantly with soap and water contact with eyes, wash eyes with plenty of water and call a doctorIn case of

The warranty: client s responsible for damages resulting from misuse as a result of lack of efficiencyi

LIQUID Fe 6%

| Content | W/V | Chelated |
|---------|-----|-------------------------|
| Fe | 6% | Organic (gluconic acid) |

Specification And Advantages :

- 1) Liquid Fe organic (gluconic acid) chelates fertilizer
- 2) For correction deficiencies of Fe
- 3) Fe Essential for formation of chlorophyll.
- 4) Fe releases energy from sugars & starches.
- 5) 100% Soluble in water
- 6) Can use in all irrigation systems
- 7) Foliar application effective than drip irrigation.
- 8) 100% Soluble in water
- 9) Can mix with fertilizer or pesticide, trial test must be applied before mixing
- 10) Foliar application effective than drip irrigation.
- 11) Safe product on all crops

Dosage : Depend on type of crop , growth stage of each crop

Irrigation System : 200-400 ml / 1000 meter square

Foliar Application : 150- 400 ml / 200 Liter of water

Deficiency Symptoms :

Leaves yellowish or white. (young leaves first) & Veins green, affected leaves curl up.

Mixing

- Mixable with most fertilizers and pesticides
- Trial must be applied before mix

The warranty : client s responsible for damages resulting from misuse as a result of lack of efficiencyi

LIQUID Cu 6%

Organic Copper



Composition

| Contents | Copper (Cu) |
|------------------------|-------------|
| Weight / Volume W/V | 6 % |

Definition Liquid Organic Copper that can be applied as a foliar application.

Characteristics

- Fully water-soluble fertilizer enriched with organic copper chelated by gluconic acid.
- Used by irrigation systems and foliar application
- Promotes development of necessary growth hormones.
- Increase plant resistance for diseases
- Improves photosynthesis and activates enzymes.
- Improves the taste of the fruit, shelf life and ability to store sugars.
- Improves carbohydrate and protein metabolism
- Increase juice in citrus and fruits in general
- Increases tolerance to cold, drought, diseases and exposure to pesticides. Prevent Copper symptoms incase deficiency especially yellowing of leaves , bud death , shortening of nodes in branches
- 100% soluble in water
- Suitable for all fertigation systems and foliar application.

Method and rate of use

- Especially recommended in case of weak development or nutrient deficiency symptoms.
- Do not exceed recommended dosages.
- For foliar application : 200 -300 ml \ 200 Ltr. Of water.
- Irrigation System : 0.5 – 1 L / 1000 meter

Mixing

- Can be mixed with all water-soluble fertilizers except calcium
- Must apply test before mixing .

Storage and disposal of empty packaging

- To protect the safety and quality of the product, it should be stored away from direct sunlight in a well-ventilated place (temperature between +5-25 C°; away from children, pets, food and feed. Be sure to close the package when not in use.
- Empty containers are collected and delivered to specialized incinerators and hazardous waste disposal centers in the country for disposal.

Safety Considerations

- In case of skin contact, remove contaminated clothes and wash the skin with soap and water profusely.
- In case of contact with eyes, wash with plenty of water, and call a doctor.

Guarantee

- client is responsible for damages resulting from misuse as a result of lack of efficiency

Packaging

- All types of packing are available on request.

Mn 7%

MADA LIQUID TRACE ELEMENTS

| Content | W/V | Chelated |
|---------|-----|-------------------------|
| Mn | 7% | Organic (Gluconic Acid) |

Specification And Advantages :

- 1) Liquid Mn organic (gluconic acid) chelates fertilizer
- 2) For correction deficiencies of Mn
- 3) Manganese Mn Serves as an activator for enzymes in growth processes
- 4) Assist iron in chlorophyll formation.
- 5) Generally required with zinc in foliar spraying of Citrus.
- 6) 100 % Soluble in water
- 7) Foliar application effective than drip irrigation.
- 8) Can use in all irrigation systems
- 9) Can mix with fertilizer or pesticide, trial test must be applied before mixing
- 10) Foliar application effective than drip irrigation.
- 11) Safe product on all crops

Deficiency symptoms :

Interveinal chlorosis of young leaves.
 Gradation of pale color next to veins.
 Development of gray specks (oats).
 Interveinal white streaks (wheat) or Interveinal brownspots (barley).

Dosage: Depend on type of crop , growth stage of each crop

Irrigation System : 200-400 ml / 1000 meter square

Foliar Application : 150- 400 ml / 200 Liter of water



Mixing Can be mixed with all water-soluble fertilizers except calcium Must apply test before mixing

storage and disposal of empty packaging

To protect the safety and quality of the product, it should be stored away from direct sunlight in a well-ventilated place (temperature between +5-25 C°; away from children, pets, food and feed. Be sure to close the package when not in use. Empty containers are collected and delivered to specialized incinerators

Safety Considerations

In case of skin contact, remove contaminated clothes and wash the skin with soap and water profusely.

In case of contact with eyes, wash with plenty of water, and call a doctor.

Packaging : All types of packing are available on request.

*BORON 10%

MADA LIQUID TRACE ELEMENTS

| Content | W/V |
|-----------|-----|
| Boron (B) | 10% |

Specification And Advantages :

- 1) Excellent corrector of boron deficiencies formulated to prevent and cure deficiencies and imbalances in boron assimilation.
- 2) Boron is a microelement which is essential for the pollination and setting of fruits and also encourages an optimum level of young tissues in vegetables.
- 3) It also helps in the synthesis and transporting of sugars in plants and is involved in plant reproduction.
- 4) In addition, it encourages cell growth and increases the production and quality of crops
- 5) Can Be used by irrigation system and foliar application
- 6) Due to Unique Formulation with Ethyl Amine it is recommended for all crops and all soils especially alkaline soil (high Ph)
- 7) Enhance flowering
- 8) Boron plays main role for the growth and development of the , plant without sufficient boron, new growth is stagnated.
- 9) Boron is necessary for maintaining a balance between sugar and starch.
- 10) Boron helps to accomplish deficiencies in a wide range of crops like cracking and disfigurement of skin, poor flowering and fruit set.
- 11) Boron is necessary in the pollinating a balance production stage.
- 12) Recommended for organic farming
- 13) 100% soluble in water

Rate Of Application :

Depend on type of crop , growth stage of each crop (before flowering then repeated after fruit set)

Irrigation System in general : 300-400 ml / 1000 meter square

The Irrigation tank should be filled with half of the required amount of water.

Measure the required amount of Boron Fertilizer and stir properly and then add the remaining water to form correct dilution.

Foliar Application in general : 125 ml / 100 Liter of water

Incase serous deficiency for Boron : 400-500 ml / 1000 metered

| CROPS | Dose | APPLICATION |
|------------------------|---------------------------|--|
| | Foliar / ml / 100 L water | |
| Citrus and Fruit Trees | 150 | 3-4 times at fruit set, fruit development and fruit set |
| Vine and Olive Tree | 150 | 2-3 times at fruit set, fruit development and fruit set each 15 days |
| Vegetables | 150 | 4-5 times flowering stage and at fruit fill time each 15 days |
| Straw Berry | 100-150 | at the white bud stage before pre-flowering and another application after this |
| Other Crops | 150 | 3-4 times at growth time and flowering time |

Mixing

- Mixable with most fertilizers and pesticides
- Before preparing a final mixture should make some compatibility tests.

Storage and disposal of empty containers: It must be stored away from direct sunlight and in well-ventilated places

Recommendations/cautions

- If the skin comes into contact with this substance, remove the contaminated clothing and wash the skin abundantly with soap and water
- In case of contact with eyes, wash eyes with plenty of water and call a doctor
- ❖ **The warranty** client is responsible for damages resulting from misuse as a result of lack of efficiency

LIQUID COMPI

LIQUID TRACE ELEMENTS

Liquid Chelated Micro Elements

| | | |
|-------|----------|--------|
| Fe 3% | Zn 1.5% | Cu 1% |
| Mn 1% | Mo 0.01% | B 0.5% |

Definition

COMBI is liquid fertilizer chelated with Gluconic acid (organic) enriched with high amount of chelated micro nutrients. It is built from high quality raw material. Complete soluble fertilizer in water and this product can be applied directly to the soil or leaves.

Characteristics

- ❖ Chelated micro elements chelated by Gluconic acid (organic) High purity to correction elements deficiencies
- ❖ Contain all essential micro elements for plants include : **Fe , Mn , Cu , Zn , B , Mo** in unique formula
- ❖ Soluble in water and high effective in alkaline soils
- ❖ High absorption by plants
- ❖ Prevent deficiencies if applied frequently
- ❖ Fe Essential for formation of chlorophyll and releases energy from sugars & starches
- ❖ Promote activation of vital enzymes, energy supply, and chlorophyll formation.
- ❖ Supports vegetative growth, root development and flowering.
- ❖ It treats with high efficiency all symptoms of iron and manganese deficiency, especially in high alkalinity lands.
- ❖ Helps plant grow greener and bushy.
- ❖ Increases ability to tolerate cold, drought, diseases, and other unfavorable conditions.
- ❖ Boron promotes development of shoots and roots, ensures proper flowering and better bud formation.
- ❖ The copper stimulates the vital processes in the roots and helps facilitate the formation of plant proteins.
- ❖ Trace elements reduce nutrient deficiency and provide balanced nutrition.
- ❖ Used both by irrigation system and foliar application

Method and rate of use

- ❖ Soil application: 1-2 litre /ha.
- ❖ Foliar application in general : 150 – 400 ml / 200 L of water.

Crop and rate of use :

| CROPS | DOSSES | | APPLICATION |
|------------------------|----------------|-------------|----------------------------|
| | Foliar cc/100L | Soil L / Ha | |
| Citrus and Fruit Trees | 100-200 | 1-3 | In Spring and post harvest |
| Vine and Olive Tree | 250-300 | 3-5 | 2-3 applications |
| Vegetables | 100-150 | 2-3 | 2-3 applications |
| Industrials | 250-300 | 3-4 | 2 applications |
| Gardening | 100-120 | 3-4 | 2 applications |
| Other Crops | 250 | 6 | 2-3 applications |

Mixing

Can be mixed with fertilizers & pesticides.
Before preparing a final mixture should make some compatibility tests.

storage and disposal of empty packaging

- ❖ To protect the safety and quality of the product, it should be stored away from direct sunlight in a well-ventilated place (temperature between +5-25 C°; away from children, pets, food and feed. Be sure to close the package when not in use.
- ❖ Empty containers are collected and delivered to specialized incinerators and hazardous waste disposal centers in the country for disposal.

Safety Considerations

- ❖ In case of skin contact, remove contaminated clothes and wash the skin with soap and water profusely.
- ❖ In case of contact with eyes, wash with plenty of water, and call a doctor.

Guarantee

- ❖ The company ensures the quality of the product in terms of its composition and volume upon arrival.
- ❖ Client is responsible for damages resulting from misuse as a result of lack of efficiency user is ultimately at fault.

ROYAL FERT

AMINO ACIDS LIQUID TRACE ELEMENTS

| Contents | Nitrogen (N) | Free amino acid | Organic matter |
|---------------------|--------------|-----------------|----------------|
| Weight / Volume W/V | 7% | 40 % | 22.5 % |

Definition

A natural bio stimulant and liquid fertilizer that contains free amino acids, organic matter and sea weed extract important in the formation of vitamins and plant hormones.

Characteristics

- 100 % soluble fertilizer in water and suitable for use in all irrigation and spraying system.
- Natural Organic Compound.
- Fast soluble so can move easily inside plant tissue.
- Can be applied in sprayers and different irrigation systems
- Can mixed with all pesticides and fertilizers to enhance effectiveness.
- Increase immune system for the plant to be more tolerant for drought and climate fluctuation and hard.
- Increase plant tolerance for disease.
- Enhance fruit setting for more productions.
- Improves the pollination process, fruit set, improve growth and increase chlorophyll in the plant.
- Stimulates the growth of beneficial organisms in the soil to increase the root and leafy group of vegetables and fruit trees.
- Amino acid quickly restores the synthesis of enzymes and proteins that stimulate the process of photosynthesis
- Improves absorption of nutrients by roots and activates root development. Increases the resistance to stress conditions (cold drought, chemical burns, etc.).
- Improves the taste, color, texture, and prolongs shelf life

Method and rate of use

In general Soil application: 0.5 – 1.5 L/h and foliar 200-500 ml / 200 L water

| CROP | RATE OF UES | TIME OF APPLICATIONS |
|---------------------|-------------------------------|------------------------|
| Vegetables | 6 – 8 Lt / ha | After Germination |
| Fruit Trees | 2 – 9 Lt / ha | Every 15 days / season |
| Cereals and Forages | 4 – 8 Lt / ha | Several times |
| foliar | 0.25 – 0.5 Lt /200 L of water | Several times |

Mixing

- Do not be mix with Copper, calcium and sulfur fertilizers. Do not be mix with mineral oil.
- Can be mixed with pesticides. Before preparing a final mixture should make some compatibility tests.

storage and disposal of empty packaging

- To protect the safety and quality of the product, it should be stored away from direct sunlight in a well ventilated place (temperature between +5-25 C°; away from children, pets, food and feed. Be sure to close the package when not in use.
- Empty containers are collected and delivered to specialized incinerators and hazardous waste disposal centers in the country for disposal.

Safety Considerations

- In case of skin contact, remove contaminated clothes and wash the skin with soap and water profusely.
- In case of contact with eyes, wash with plenty of water, and call a doctor.

Guarantee

- The company ensures the quality of the product in terms of its composition and volume upon arrival.
- Client responsible for damages resulting from misuse as a result of lack of efficiency

INFINITY (SEA WEED)



BIOSTIMULANTS (W/V)

Composition

Sea Weed 20%

N 5%

K₂O 5%

MgO 1%

| Contents | Organic Matter Sea Weed | Potassium (K ₂ O) | Nitrogen N | MgO |
|---------------------|----------------------------|------------------------------|------------|-----|
| Weight / Volume W/V | 20 % | 5 % | 5 % | 1 % |

Definition

* Amazing Bio Stimulants Derived from natural Sea Weed (Ascophyllum Nodosum) used for plants growth in sufficient way in addition to work as anti -stress in general for all types of abnormal environment conditions

Characteristics

- Enhances yield and quality of crops, vegetables, and fruits.
- Resists disease and improves yield.
- Increases stress resistance.
- Contains plant growth regulators like gibberellic acid.
- Stimulates root growth in cuttings and transplants.
- Increases fertilizer efficiency and fertilizer chelation.
- Free of pollutants.
- Promotes cell division and increases metabolism.
- Promotes the bud to bloom.
- Improves soil structure.
- Inhibits harmful pests .
- Accelerates the formation of soil aggregate structure to ensure that the soil has good ventilation.

Method and rate of use

- Drip irrigation 300-500 ml \ 1000 m²
- Green houses : 250 – 500 ml \ 500 m²
- Foliar Spray:
- Dilution rate with water 1:1500 -3000 and apply 3-4 times at intervals of 7-15 days during the growing season
- From 200 ml / 200 L Water

Mixing: Can be mixed with fertilizers & pesticides.

Before preparing a final mixture should make some compatibility tests.

Storage and disposal of empty packaging

- To protect the safety and quality of the product, it should be stored away from direct sunlight in a well -ventilated place (temperature between +5-25 C°; away from children, pets, food and feed. Be sure to close the package when not in use.
- Empty containers are collected and delivered to specialized incinerators and hazardous waste disposal centers in the country for disposal.

Safety Considerations

- In case of skin contact, remove contaminated clothes and wash the skin with soap and water profusely.
- In case of contact with eyes, wash with plenty of water, and call a doctor.

Guarantee

- The company ensures the quality of the product in terms of its composition and volume upon arrival.
- Client is responsible for damages resulting from misuse as a result of lack of efficiency

Packaging

- All types of packing are available on request.

ORGAMINO FERT

(AMINO ACIDS)

BIOSTIMULANTS (W/V)

Composition

Natural Amino Acid Liquid Fertilizer

| Contents | Nitrogen (N) | Amino Acids | Organic matter | Potassium (K ₂ O) |
|---------------------|--------------|-------------|----------------|-------------------------------|
| Weight / Volume W/V | 5.5% | 11 % | 26 % | 3% |

Definition

A natural bio stimulant and liquid fertilizer that contains free amino acids, organic matter and sea weed extract important in the formation of vitamins and plant hormones, in addition to containing nutrients such as nitrogen, potassium and phosphorous necessary for plant life

Characteristics

- 100 % soluble fertilizer in water and suitable for use in all irrigation and spraying system.
- Natural Organic Compound.
- Fast soluble so can move easily inside plant tissue.
- Can be applied in sprayers and different irrigation systems
- Can mixed with all pesticides and fertilizers to enhance effectiveness.
- Increase immune system for the plant to be more tolerant for drought .
- Increase plant tolerance for disease .
- Enhance fruit setting for more productions.
- Improves the pollination process, fruit set, improve growth and increase chlorophyll in the plant.
- Stimulates the growth of beneficial organisms in the soil to increase the root and leafy group of vegetables and fruit trees.
- Amino acid quickly restores the synthesis of enzymes and proteins that stimulate the process of photosynthesis
- Improves absorption of nutrients by roots and activates root development. Increases the resistance to stress conditions (cold, drought, chemical burns, etc.).
- Improves the taste, color, texture, and prolongs shelf life



Method and rate of use

In general Soil application: 2 – 6 L/h and foliar 200 -500 ml / 200 L water

| CROP | RATE OF USE | TIME OF APPLICATIONS |
|---------------------|-------------------------------|------------------------|
| Vegetables | 6 – 8 Lt / ha | After Germination |
| Fruit Trees | 2 – 9 Lt / ha | Every 15 days / season |
| Cereals and Forages | 4 – 8 Lt / ha | Several times |
| foliar | 0.25 – 0.5 Lt /200 L of water | Several times |

Mixing

- Do not be mix with Copper, calcium and sulfur fertilizers. Do not be mix with mineral oil.
- Can be mixed with pesticides. Before preparing a final mixture should make some compatibility tests.

Storage and disposal of empty packaging

- To protect the safety and quality of the product, it should be stored away from direct sunlight in a well-ventilated place (temperature between +5-25 C°; away from children, pets, food and feed. Be sure to close the package when not in use.
- Empty containers are collected and delivered to specialized incinerators and hazardous waste disposal centers in the country for disposal.

Safety Considerations

- In case of skin contact, remove contaminated clothes and wash the skin with soap and water profusely.
- In case of contact with eyes, wash with plenty of water, and call a doctor.

Guarantee

- The company ensures the quality of the product in terms of its composition and volume upon arrival
- Client is responsible for damages resulting from misuse as a result of lack of efficiency

PAPILON

HA + FA



SOIL CONDITIONERS

HUMIC ACID 12%

FULVIC ACID 3%

K₂O 2.5%



Composition

| Contents | Potassium (K ₂ O) | Fulvic Acid | Humic Acid |
|---------------------|------------------------------|-------------|------------|
| Weight / Volume W/V | 2.5 % | 3 % | 12 % |

Definition

Liquid fertilizer that extracted from ground Leonardite.

Characteristics

- Increases crop yield.
- Increases permeability of plant membranes.
- Increases the uptake of nutrients.
- Enhances growth of soil microorganisms.
- Activates biochemical processes in plants.
- Stimulates root development.
- Enhances phosphate utilization of plants.
- Has a high Base Exchange capacity.
- Stimulates plant growth.



Method and rate of use

- Generally recommended to use: 1-2 liter per 1000 meter square / 7 – 14 days.
- Use it before or after (2-3 days) of using inorganic fertilizer.

Mixing

- Avoid mixing all types of inorganic fertilizers.

Storage and disposal of empty packaging

- To protect the safety and quality of the product, it should be stored away from direct sunlight in a well ventilated place (temperature between +5-25 C°; away from children, pets, food and feed. Be sure to close the package when not in use.
- Empty containers are collected and delivered to specialized incinerators and hazardous waste disposal centers in the country for disposal.

Safety Considerations

- In case of skin contact, remove contaminated clothes and wash the skin with soap and water profusely.
- In case of contact with eyes, wash with plenty of water, and call a doctor.

Guarantee

- The company ensures the quality of the product in terms of its composition and volume on arrival
- Client is responsible for damages resulting from misuse as a result of lack of efficiency

- Packaging** • All types of packing are available on request.

Magno Cal (Cal - Mag)

Composition



SOIL CONDITIONERS

| Contents | Nitrogen (N) | Calcium (CaO) | Magnesium (MgO) |
|------------------------|-----------------|------------------|--------------------|
| Weight / Volume W/V | 12 % | 15 % | 6 % |

Definition

Magno Cal is a high concentration calcium & magnesium homogeneous liquid fertilizer, suitable for fertigation systems and foliar application. It is complete soluble in water.

Characteristics

- Recommended in calcareous & saline soils, Recommended when calcium and magnesium are required in combination with nitrogen in nitric form.
- Fast absorption by the leaves, especially when there are circumstances hinder absorbed by the roots.
- Improves physical and chemical characteristics of soil texture, retention of water and absorption of elements.
- Cal-Mag product Develops negative effects caused by exist sodium (Na) in the soil and irrigation water.
- Relieves the negative effects of salts in irrigation water and the rate of their accumulation in soil.
- Improves soil texture and properties and increases soil fertility and soil aeration.
- To protect plants from the phenomenon of blossom end rot of flowers and the burning of the leaves of plant and deformation caused by lack of calcium.
- Salinity corrector and dissolves Na and Cl salts leaching away from the roots.
- Improves plant growth and bio activity.
- Use to prevent burning of blossom , root and leaves that result from calcium deficiency.

Method and rate of use

Soil application: 0.5 -1 L / 1000 m²

Foliar application: 150 ml / 100 liter water

Dose and number of uses depend on soil types and stage of plant growth.

| Crop | Rate of use | Time of application |
|--------------|-------------------------|---|
| Pome fruits | 250-300 cm ³ | 7-10 application last application before 2 weeks of harvest |
| Vegetable : | | |
| Open field | 200-250 cm ³ | 2-3 times /season |
| Green houses | 200-250 cm ³ | 2-3 times /season |
| Lettuce | 50 -100 cm ³ | Once in season |
| Grapes | 50 -100 cm ³ | 2-3 application after fruits setting |
| Tomato | 200-250 cm ³ | Every 2 weeks |
| Cereals | 4-6 Ltr/ ha | Twice / season |
| Sugar beets | 4-6 Ltr/ ha | 3-4 times/ season |

Mixing

- In general Cal-Mag doesn't mixes with pesticides and fertilizer.

Storage and disposal of empty packaging

- To protect the safety and quality of the product, it should be stored away from direct sunlight in a well ventilated place (temperature between +5-25 C°; away from children, pets, food and feed. Be sure to close the package when not in use.
- Empty containers are collected and delivered to specialized incinerators and hazardous waste disposal centers in the country for disposal.

Safety Considerations

- In case of skin contact, remove contaminated clothes and wash the skin with soap and water profusely.
- In case of contact with eyes, wash with plenty of water, and call a doctor.

Guarantee

- The company ensures the quality of the product in terms of its composition and volume upon arrival
- Client is responsible for damages resulting from misuse as a result of lack of efficiency

Packaging

- All types of packing are available on request.



NITRO CAL



SOIL CONDITIONERS

Composition

| Contents | Nitrogen (N) | Calcium (CaO) |
|---------------------|--------------|---------------|
| Weight / Volume W/V | 13% | 24 % |

Definition

High concentration liquid calcium fertilizer, suitable for fertigation systems and foliar application. It is complete soluble in water.

Characteristics

- Recommended in calcareous & saline soils, Recommended when calcium required especially when calcium deficiency appear
- Fast absorption by the leaves, especially when there are circumstances hinder absorbed by the roots.
- Improves physical and chemical characteristics of soil texture,
- Develops negative effects caused by exist sodium (Na) in the soil and irrigation water.
- Relieves the negative effects of salts in irrigation water and the rate of their accumulation in soil.
- Improves soil texture and properties and increases soil fertility and soil aeration.
- To protect plants from the phenomenon of blossom end rot of flowers and the burning of the leaves of plant and deformation caused by lack of calcium.
- Salinity corrector and dissolves Na and Cl salts leaching away from the roots.
- Improves plant growth and bio activity.
- Low PH precut
- Use to prevent burning of blossom , root and leaves that result from calcium deficiency.

Method and rate of use

(depend on crop) and used several times in the season

- Soil application 1-3 L / 1000 m²
- Foliar application: 150 -250 ml / 100 liter water
- Dose and number of uses depend on soil types and stage of plant growth.

Mixing

- In general doesn't mixes with pesticides and fertilizer.

storage and disposal of empty packaging

- To protect the safety and quality of the product, it should be stored away from direct sunlight in a well-ventilated place (temperature between +5-25 C°; away from children, pets, food and feed. Be sure to close the package when not in use.
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CYTER LIQUID



PLANT GROWTH REGULATOR PGR

FULVIC ACID 4% // K₂O 4% // Amino Acid 4% // Cytokinins 4%

Composition

| Content | Cytokinin | Amino acids | Fulvic acid | Potassium |
|---------|-----------|-------------|-------------|-----------|
| w/v | 4% | 4% | 4% | 4% |

Properties

- 1) Liquid plant growth regulator to increase the flower set, as it stabilizes fruit set
- 2) stimulates the process of cell division in agricultural crops, which leads to increased growth due to cytokinin
- 3) Encourages the growth of side branches and increased branching
- 4) helps in the movement of nutrients and amino acids within the plant which is necessary for protein formation due to treatment with the chelating agent (fulvic acid)
- 5) Cytokinin increases the size of leaves, so enhance photosynthesis and food manufacturing processes in plant cells
- 6) Encourages seed germination
- 7) stimulates tuber formation in potatoes
- 8) Increases the growth of roots and shoots
- 9) Increases production in general by encouraging the growth of roots and lateral branches and increasing the surface of the leaves,
- 10) Healthy and strong seedlings, which is reflected in production
- 11) reduces frost damage and the effects of stress on the plant in general
- 12) It helps break the dormancy phase in the buds of deciduous trees
- 13) Helps in forming a strong vegetative system due to the presence of amino acids
- 14) 100% soluble in water



Method and rate of use :

It is generally used at a rate of 50 ml / 200 liters of water

| Crops | Foliar application / 200 Ltr of water |
|-----------------------|---|
| Fruit trees & Citrus | 50ml / Ha during the flowering stage and repeated after twenty days |
| Grapes | 50ml / Ha during the flowering stage, formation stage Another spray during cluster |
| Potatoes | 50ml/ Ha after germination and repeated after 20 & 40 days |
| Open Field Vegetables | 50ml/Ha at flowering stage and repeated each 15 days for 3 times |
| Beans and Peas | 50ml/Ha at flower bud stage and repeated when pods form ation |
| Garlic and Onions | 50ml / Ha at leaf growth stage (6-8 leaves) then repeat each 15 days |
| Corn | 50ml / Ha at leaf growth stage (from leave 6 to leave 8) |

Mixing

Can be mix with fertilizers and pesticides except mineral oils , calcium , Zn Trial test must be applied before mixing

Warnings Keep it out of the reach of children Do not use the empty container

Recommendations The company guarantee the product .The company is not responsible for misuse

Guarantee

- The company ensures the quality of the product in terms of its composition and volume upon arrival
- Client is responsible for damages resulting from misuse as a result of lack of efficiency

GIBBERELIC ACID 10%



PLANT GROWTH REGULATORS PGR

| Content | Gibberellic Acid |
|---------|------------------|
| W/V | 10% |

Definition

Plant growth regulator from Gibberellic Acid for stimulation plant growth

Specifications

- Stimulates seed germination and helps in stem elongation and leaf growth
- Stimulates flowering and helps in the development of fruits
- Stimulating cell elongation such as grape cluster elongation
- Encourages fruit growth
- Encourages the growth of buds, vegetative growth, and lateral branches, while stimulating growth within the plant in general
- Ideal for use in difficult conditions that affect plant growth such as drought and frost, which makes the plant grow healthy in critical conditions, especially the beginning of growth
- Increase production in Cucumbers,
- Increase branching and size in Potatoes Crape,es,
- Increase branching and production in strawberries,
- Increase knotting in citrus fruits,
- Increase size in onions

Method and rate of use :

It is generally used at a rate of 25 ml / 200 liters of water

Mixing Can be mix with fertilizers and pesticides except phosphorus , Cupper Trial test must be applied before mixing

Warnings Keep it out of the reach of children Do not use the empty container

Recommendations The company guarantee the product .The company is not responsible for misuse

Guarantee

- The company ensures the quality of the product in terms of its composition and volume upon arrival
- Client is responsible for damages resulting from misuse as a result of lack of efficiency

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