2026

Aquafarm®

AgrotechTARIM


Fertilizers for life....
C
O
H
N
P
K
Cl
Mo
Cu
Mn
B


N
Ca
Mg
S
Fe
Zn

ABOUT US

Located in Izmir/TURKEY, Aiming to serve Global agriculture with 15 years of experience, our goal is to supply worldclass, high quality products to our customers.

We consider innovation as an integral part of our company, and with help of our elite personel and our most loyal partners both domestic and worldwide, we would like to increase our market share. Worthy of our name, we acknowledge that new generation fertilizers with high tecnology will decrease the cost of our customers because of lower application dosages. We would like to take this opportunity to thank to our partners all around the world who supports us and believe the time for technology in agriculture has arrived.

Best Regards,
Agrotech Board of Directors

CONTENTS

NATURA

PLANT ORIGIN LIQUID PRODUCT

Guaranteed Ingredients:	**w/w**
Organic Material	40 %
Organic Carbon	18 %
Total Humic and Fulvic Acid (TS ISO 5073:2022 METHOD)	17 %
Total Nitrogen	2 %
Organic Nitrogen	2 %
Water Soluble Potassium Oxide (K_2O)	5 %
pH Interval	4-6

ORGANIC LINE • QUALITY PRODUCT • ORGANIC LINE

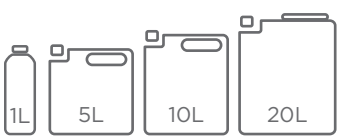
Due to reasons such as intensive agricultural production, unsuitable soil structure, excessive irrigation and/or fertilization, etc., cultivated land begins to show fatigue over time. Rooting and plant development are negatively affected in fatigued soils, resulting in an inevitable loss of quality and yield in crop production. It is a liquid organic product, entirely of plant origin, rich in organic matter and organic carbon (humic acids).

When applied to the soil, it contributes significantly to:
→ Increasing the soil's aeration and water-holding capacity,
→Supporting the development of root and soil microorganisms,
→Enhancing the plant's uptake of microelements such as Fe-Mn-Zn-Cu,
→Reducing salinity,
→Enhancing the plant's absorption of nitrogen and potassium,
→Enhancing the plant's utilization of phosphorus (P).

It ensures excellent root formation in the plant, improves soil structure, and rehabilitates exhausted soil. With increased aeration and water-holding capacity, plant roots will have greater volumetric space, allowing for greater utilization of other fertilizers and pesticides applied for nutrition and protection.

When from Foliar Application:
→Accelerates plant respiration,
→Encourages chlorophyll formation and photosynthesis,
→Increases protein synthesis,
→Increases crop quality.

Natura promotes the uptake of plant nutritional elements and helps them to be transported to the organs needed for the development of the plant (chelator effect).



PLANT NAME	DRIP AND IRRIGATION	FOLIAR APPLICATION
All Greenhouse Vegetables	1500-2000 ml/da	150-200 ml per 100 L of water
All Open Field Vegetables	1500-2000 ml/da	150-200 ml per 100 L of water
All Winter Vegetables	1500-2000 ml/da	150-200 ml per 100 L of water
Melon, Watermelon, Zucchini, Strawberry	1500-2000 ml/da	150-200 ml per 100 L of water
Nursery and Ornamental Plants	1500-2000 ml/da	150-200 ml per 100 L of water
All stobe and Soft Cored Fruit Trees and Vineyards	80-100 ml per tree	Three applications being advised.
	30 ml per vinestock	On every application 200-250 ml for per 100 L of water
All Field and Industrial Plants	1500-2000 ml/da	300 ml per 100 L of water

HUMIX

LEONARDITE ORIGIN HUMIC ACID SOLUTION

Guaranteed Ingredients:	**w/w**
Organic Material	25 %
Organic Carbon	11 %
Total Humic and Fulvic Acid	15 %
Water Soluble Potassium Oxide (K_2O)	3 %
pH Interval	9-11

ORGANIC LINE QUALITY PRODUCT ORGANIC LINE

It is a liquid Humic-Fulvic Acid containing fertilizer that provides the synergy of Humic and Fulvic Acids in plants, both in soil and foliar applications.

It is a product containing humic and fulvic acids derived from leonhardite.

→Increases the uptake of nutrients bound in the soil

→Improves soil structure,

→Increases water retention capacity, aeration, and microbial activity,
thus increasing plant resistance and tolerance to adverse conditions
(frost, drought, salinity, improper pesticide application, and agricultural activities).

→Increases the soil's organic matter content and converts iron (Fe)
into an absorbable form, allowing plants to utilize it more effectively

PLANT	APPLICATION	SOIL USE	FOLIAR USE
Open Field, Greenhouse Vegetables	During the season starting with initial watering	1 – 2 L / da	100 - 250 ml/100 L water
Tuberous Plants Beetroot, Radish, Potato, Onion, Carrot	At soil preparation with first irrigation	1 – 2 L / da	100 - 250 ml / da
Corn, Sunflower, Wheat	At soil preparation with first irrigation	1 – 2 L / da	100 - 250 ml / da
Apple, Pear, Quince	Before winter or before plant revitalization, During the season	100 – 200 ml per tree	100 - 250 ml/100 L water
Cherry, Apricot, Peach Pistachio Hazelnut Walnut	Before winter or before plant revitalization, During the season	100 – 200 ml per tree	100 - 250 ml/100 L water
Citrus Trees	Before winter or before plant revitalization, During the season	100 – 200 ml per tree	100 - 250 ml/100 L water
Olive Trees	Before winter or before plant revitalization, During the season	100 – 200 ml per tree	100 - 250 ml/100 L water
Strawberry	Before planting at soil preparation, After transplanting with first irrigation 4-5 application during the season	1 – 2 L / da	100 - 250 ml/100 L water
Banana	After transplanting with first irrigation, During the season by irrigation	1 – 2 L / da	100 - 250 ml/100 L water
Grape	Before winter or before plant revitalization. During the season by irrigation	1 – 2 L / da	100 - 250 ml/100 L water
Tobacco	After transplanting with first irrigation	1 – 2 L / da	100 - 250 ml/100 L water
Cotton	At soil preparation or with first irrigation, Foliar application during the season after 6-8 leaves stage	250 - 500 g /da	40 - 60 g / da
Lawns	Before planting at soil preparation or with first irrigation Before winter	1 – 2 L / da	100 - 250 ml/100 L water
Houseplants	For 1 kg soil	3 - 5 ml	100 - 250 ml/100 L water

AMINO CROP

PLANT ORIGIN AMINO ACID IN LIQUID FORM

Guaranteed Ingredients:	**w/w**
Organic Material	40 %
Organic Carbon	18 %
Total Free Amino Acids	16 %
Total Nitrogen	4 %
Organic Nitrogen	4 %
pH Interval	4-6

AQUAFARM AMINO CROP contains more than 20 different types of amino acids.

ROOTING: In applications during the seedling and sapling stages, it increases cell division in capillary roots, resulting in unique root formation.

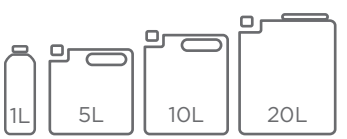
CHELATING: Its high free amino acid content significantly enhances the plant's absorption of other products, both through roots and leaves.

ENERGY: By providing additional energy during the periods of rooting, flowering, fruiting, and fruit development, when plants need the most energy, it prevents plant stress and stimulates natural hormones. This allows plants to maintain their normal functions. In other words, since they will spend their energy on their normal vital functions, yield and quality will not be affected.

SOIL STRUCTURE: Its high organic matter content increases the organic matter content of soils deficient in organic matter, promotes bacterial activity in the soil, and positively impacts the uptake of plant nutrients that are not readily available to the plant.

PERFORMANCE: It significantly contributes to the decomposition of organic material in the soil, increases the activity of microorganisms, and facilitates the uptake of plant nutrients (especially microelements) that are present in the soil but not readily available.

LEAF EFFECT: It plays an active role in protein synthesis. It contributes positively to flowering, fruit set, and fruit growth. It stimulates natural hormones in the plant, contributing to increased sugar and vitamin levels in the fruit.

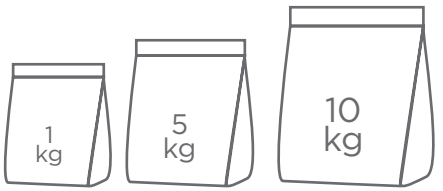


PLANTS	FOLIAR	DRIP AND IRRIGATION
Open Field Vegetables	100 ml for 100 L of water	500 ml/da
Green House Vegetables	100 ml for 100 L of water	500 ml/da
Flowers	100 ml for 100 L of water	500 ml/da
Stoned Fruits	100 ml for 100 L of water	500 ml/da
Fruits	250 ml for 100 L of water	500 ml/da
Vineyards	250 ml for 100 L of water	500 ml/da
Citrus And Olive Trees	250 ml for 100 L of water	500 ml/da
Industrial Plants	100 ml for 100 L of water	500-550 ml/da
Grains And Corn	100 ml for 100 L of water	--------

POTASSIUM HUMATE

LEONARDITE ORIGIN POWDER HUMIC AND FULVIC ACID

Guaranteed Ingredients:	**w/w**
Organic Material	50 %
Total Humic and Fulvic Acid	40 %
Water Soluble Potassium Oxide (K_2O)	5 %
pH Interval	9-11



ORGANIC LINE QUALITY PRODUCT ORGANIC LINE

Produced with spray dryer technology and 100% water-soluble, Potassium Humate directly contributes to root and soil development in plant production. It is a product obtained by processing the raw material called Leonhardite, which is ORGANIC SOURCE in powder form and contains Humic + Fulvic Acid, through some chemical processes.

Soil Effects

→It improves the physical, chemical, and biological structure of the soil, providing a suitable growth environment for plants.

→It increases the activity of beneficial microorganisms and provides a source of NUTRITION and ENERGY for soil organisms.

→It chelates vital plant nutrients such as phosphorus, calcium, zinc, iron, and manganese, which are bound in the soil and unavailable to plants, making them active for plants.

→It revitalizes the soil and plants in the growing environment with its high amounts of humic-fulvic acid and potassium.

→It reduces the effects of salinity caused by heavy fertilization and other causes.

→It prevents soil hardening, prevents the formation of crusts, loosens the soil, and increases its aeration and water-holding capacity. This promotes good rooting. It also prevents rapid water evaporation in sandy soils.

→It retains plant nutrients in the root zone, ensuring the plant receives as much as it needs. This prevents excessive fertilizer use.

→It also helps improve soils with low organic matter and high lime content, contributing to the creation of an ideal environment for growth.

PLANT	APLICATION	SOIL USE	FOLIAR USE
Open Field Vegetables Tomato, Pepper, Aubergine, Bean, Cucumber, Melon Etc.	Before planting at soil preparation After transplanting with first irrigation 4-5 applications during the season by drip irrigation	0,5 - 1 kg / da 0,5 - 1 kg / da 100 - 150 g / da	100 -150 g / 100 L
Greenhouse Vegetables	Before planting at soil preparation After transplanting with first irrigation 4-5 applications during the season by drip irrigation	1 – 1,5 kg / da 1 – 1,5 kg / da 50 – 100 g / da	100 -150 g / 100 L
Tuberous Plants Beetroot, Radish, Potato, Onion, Carrot	At soil preparation With first irrigation	0,5 - 1 kg / da	60 - 80 g / da
Corn, Sunflower, Wheat	At soil preparation. With first irrigation	0,5 - 1 kg / da	60 - 80 g / da
Apple, Pear, Quince	Before winter or before plant revitalization. During the season by drip irrigation	100 – 200 g per tree	100 -150 g / 100 L
Cherry, Apricot, Peach Pistachio Hazelnut Wallnut	Before winter or before plant revitalization. During the season by drip irrigation	100 – 200 g per tree	100 -150 g / 100 L
Citrus Trees	Before winter or before plant revitalization. During the season by drip irrigation	100 – 200 g per tree	100 -150 g / 100 L
Olive Trees	Before winter or before plant revitalization. During the season by drip irrigation	100 – 200 g per tree	100 -150 g / 100 L
Strawberry	Before planting at soil preparation After transplanting with first irrigation 4-5 applications during the season by drip irrigation	1 – 1,5 kg / da 1 – 1,5 kg / da 50 – 100 g / da	100 -150 g / 100 L
Banana	After transplanting with first irrigation During the season by irrigation	1 – 1,5 kg / da 100 – 150 g / da	100 -150 g / 100 L
Grape	Before winter or before plant revitalization. During the season by drip irrigation	1 – 1,5 kg / da 1 – 2 kg / da	60 - 80 g / 100 L
Tobacco	After transplanting with first irrigation	0,5 - 1 kg / da	40 - 60 g / 100 L
Cotton	At soil preparation or with first irrigation Foliar application during the season after 6-8 leaves stage	250 - 500 g / da	40 - 60 g / da
Lawns	Before planting at soil preparation or with first irrigation	1 -1,5 kg / da	100 -150 g / 100 L
Houseplants	For 1 kg soil	3 - 5 g	40 - 60 g / 100 L

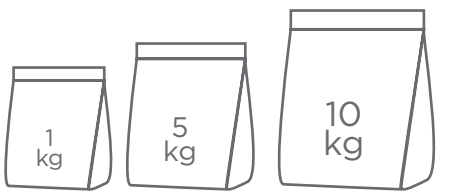
FULVIX

PLANT EXTRACT POWDER FULVIC ACID

Guaranteed Ingredients:	**w/w**
Organic Material	70 %
Total Fulvic Acid	30 %
Water Soluble Potassium Oxide (K_2O)	10 %
Water Soluble Sulphur Trioxide (SO3)	5 %
Total Nitrogen	4 %
Organic Nitrogen	2 %
pH Interval	4-6

ORGANIC LINE QUALITY PRODUCT ORGANIC LINE

→Builds a stronger root system by increasing root respiration and root formation.
→Increases the Cation Exchange Capacity of the soil and facilitates nutrient absorption
→Great source of energy for beneficial soil organisms, which influence both soil fertility and plant health.
→Improves aeration of soil and water retention in heavy and compact soils.
→Prevents water and nutrient losses in light sandy soils.
→Healthier roots hold soil, minimizing erosions
→When added directly to soil it improves its quality and ability to grow crops
→When added to urea, fertiliser and lime it improves their performance
→When added to seeds it improves their strike rate and encourages root growth



PLANTS	APPLICATION PERIOD	DRIP AND IRRIGATION	FOLIAR
Farm Plants	Before Planting: It can be used by adding liquid fertilizers, or it can be applied directly to the seed bed or root zone by blending with solid fertilizers. It can also be used with herbicides. During Sowing: It can be used by mixing with liquid and solid fertilizers, or it can be applied to the seed bed alone.	2-4 kg/da	100-150 g/100 L water
Vegetables	In seedling diversion: Roots are dipped into the prepared solution and planted. 250 g / 100 L water During Growth: It is applied by adding to the irrigation system. In dripping or sprinkling, the recommended dose is used by melting it in a separate container.	2-4 kg/da	100-150 g/100 L water
For Fruit Trees, Per Tree	3 applications are recommended for flowering, fruit formation and fruit growth.	2-4 kg/da	100-150 g/100 L water
Ornamental Plants	It is given to the soil by irrigation systems in each planting period. In dripping or sprinkling, the recommended dose is used by melting it in a separate container.	2-4 kg/da	100-150 g/100 L water

WP-60

PLANT ORIGIN POWDER AMINO ACID WITH PK

Guaranteed Ingredients:	**w/w**
Organic Material	70 %
Total Free Amino acids	60 %
Water Soluble Potassium Oxide (K_2O)	8,5 %
Water Soluble Phosphor Penta Oxide (P_2O_5)	13 %
pH Interval	4-6

SPECIAL LINE • QUALITY PRODUCT • SPECIAL LINE

Aquafarm WP 60 is a powder amino acid product with additional phosphorous and potassium. With the assistance of special amino acids, it promotes cell division. Divided cells increase maturity and thus, early harvest is inevitable. WP 60 increases the yield and relieves the plant in times of stress.

It can be applied both foliar or from drip and irrigation. In addition to being a nutrient supplement easily absorbed by plants, soil applications allow plants to utilize other nutrients more effectively. It has a positive effect on the soil's microbial structure, water-holding capacity, and aeration. It increases flowering, rooting, and branching. It has a yield- and quality-enhancing effect. It helps plants resist adverse conditions (drought, frost, excessive water, salinity, etc.) and quickly heal injuries such as hail damage and pruning. It extends the shelf life of freshly consumed vegetables and fruits. When used together, it increases the effectiveness of other fertilizers and pesticides, minimizing potential phytotoxicity.

AQUAFARM WP 60 aids root formation which results in increased flowering, fruit set, fruit size and color, improved transport and storage stability, and extended shelf life.

AQUAFARM WP 60 can be mixed with many pesticides and fertilizers used in agricultural production. It is a specific product that enhances the effectiveness of other pesticides and fertilizers used together. It can be applied at all plant stages (seedling/sapling, development, flowering, fruit set, and fruit development).

PLANTS	APPLICATION PERIOD	DRIP AND IRRIGATION	FOLIAR
Cereals (Rice Plant, Wheat, Dough and Corn)	When plant has 3-5 leaves, when its growing top tassel or on tillering period with depilatory	250 g/da	1100 g per 100 L water
Strawberry and Cut Flowering	On 5-6 leaves period, Before flower and with 20 days of gap	250 g/da	100 g per 100 L water
Tuber Plants: (Potato, Radish, Carrot, Onion, Sugar Beet)	Between September-April with winter fertilizer	250 g/da	100 g per 100 L water
Vineyards	First implementation on flowering period second application when fruits are as big as chickpea	250 g/da	100 g per 100 L water
Citrus	First implementation during flowering period second application when fruits are as big as nuts	250 g/da	100 g per 100 L water
Fruit Trees (Apple, Cherry, Peach, Pear, Quince, Apricot)	First implementation during flowering period second application when fruits are as big as nuts	250 g/da	100 g per 100 L water
Soya, Chickpea, Pea, Peanut	Before flower and 20 days after flower	250 g/da	100 g per 100 L water
Cotton	When it has 3-5 leaves, on flowering and at scallop	250 g/da	100 g per 100 L water
Greenhouse and Open Field Vegetables (Tomato, Pepper)	After seedlings soil (plant transposition) change, on flowering period and after first fruit	250 g/da	100 g per 100 L water

ARMADA

POWDER AMINO ACID & SEAWEED & GIBBERELLIC ACID (GA3) COMPLEX

Guaranteed Ingredients:	**w/w**
Organic Material	70 %
Alginic Acid	0,5 %
Total Free Amino Acids	40 %
Total Nitrogen	7 %
Water Soluble Potassium Oxide (K_2O)	10 %
Gibberellic acid (GA3)	0,4 g/kg
pH Interval	6-8

SPECIAL LINE • QUALITY PRODUCT • SPECIAL LINE

Aqufarm Armada is an organic fertilizer obtained from completely organic, natural seaweed extracts combined with special amino acids and gibberellic acid that increases product quality, quantity, and yield, promotes seed germination and root development in plants, makes plants resistant to adverse conditions (drought, frost, excess water, heat, cold, insufficient sun, salinity, etc.), helps in the rapid treatment of injured plants and fruits (fungal damage, insect damage, hail wounds, etc.), contributes to the extension of the shelf life of especially fresh fruits and ornamental plants (flowers), and increases plant resistance to diseases and pests. It also increases flower set in plants and reduces flower and fruit drop. It contributes to better absorption of plant nutrients by the plant from the soil and/or leaves. It minimizes the negative effects that agricultural chemicals, especially weed killers, may have on cultivated plants. When used together, it increases the effectiveness of other chemicals.

Aqufarm Armada is rich in alginic acid , reflects the green nature of the marine bio - stimulant, and has functions of promoting root development, enhancing stress resistance, and improving soil ecology.

Aqufarm Armada is rich in special amino acids, providing small - molecule organic nitrogen sources for crops. These amino acids can quickly participate in the internal metabolism, enhance the efficiency of nutrient absorption and transportation, and relieve stress under adverse conditions.

Aqufarm Armada contains just the correct amount of Gibberellic acid (GA3) which is a natural hormone that promotes plant growth. GAs stimulate seed germination, trigger transitions from meristem to shoot growth, juvenile to adult leaf stage, vegetative to flowering, determines grain development along with an interaction of different environmental factors such as light, temperature and water.

Studies have demonstrated the biological effectiveness of Aqufarm Armada in enhancing plant defenses. Alginic acid extracted from seaweed offers a natural solution for bolstering plant immunity. The use of Aqufarm Armada shows promising results in protecting crops from harmful pathogens.

PLANTS	**FOLIAR** (per da)	**DRIP AND IRRIGATION (per da)**
Vegetables (Tomato, Pepper, Eggplant, Cucumber, Zucchini)	40–60 g	200–400 g
Strawberry	40–50 g	200–300 g
Fruit Trees	50–60 g	400–500 g
Banana	40–60 g	80–100 g / plant
Olive	40–60 g	300–400 g
Vineyard (Grapevine)	50–60 g	300–400 g
Citrus	50–60 g	400–500 g
Sugar Beet	60–70 g	450–500 g
Cotton, Corn, Sunflower	60–70 g	350–450 g
Potato	60–70 g	450–550 g
Hazelnut	60–70 g	200–300 g
Winter Vegetables (Cereals, Broccoli, Spinach, Cabbage, etc.)	40–50 g	200–300 g
Ornamental Plants	50–60 g	400–450 g
Cereals (Wheat, Barley, Oat, etc.)	60–70 g	350–450 g

KRONOS

POWDER POTASSIUM SOURCE ENRICHED WITH AMINO ACIDS

Guaranteed Ingredients:	**w/w**
Organic Material	15 %
Total Nitrogen	2 %
Water Soluble Potassium Oxide (K_2O)	40 %
Water Soluble Sulphur Trıoxide (SO3)	30 %
Total Free Amino Acids	10 %
pH Interval	3-5

SPECIAL LINE QUALITY PRODUCT SPECIAL LINE

Aqufarm KronoS, a potassium/amino acid complex including L-glutamic acid and Gamma Aminobutyric Acid (GABA) is beneficial for its ability to effectively deliver potassium in a bioavailable form, leading to improved plant growth and health in agriculture.

Aqufarm KronoS with the carboxylic acid group of amino acid bonds with the potassium ion to form complex. product that will increase nutrient uptake efficiency, leading to increase yield and quality. It serves as a precursor for other amino acids and chlorophyll, enhancing photosynthesis and promoting plant growth. Additionally, L-glutamic acid improves nitrogen use efficiency and increases plants' tolerance to stress.

Aqufarm KronoS is used to correct and prevent Potassium deficiency in a wide range of crops Aqufarm KronoS can be applied via fertigation, furrow injection or foliar applications for broadacre, viticultural and horticultural production where potassium deficiency may occur.

Aqufarm KronoS contains just the correct amount of Gamma Aminobutyric Acid (GABA) that acts as a signal in Agrobacterium tumefaciens-mediated plant gene transformation and in plant development, especially in pollen tube elongation (to enter the ovule), root growth, fruit ripening, and seed germination.

CROPS	RATE L/Ha	TIMING	WATER L/Ha
Almonds	3-5	2 weeks after bloom. Repeat every 4 weeks (3-4 applications may be required)	500-1000
Apples	3-5	Apply every 7 to 14 days from petal fall to harvest	500-1000
Citrus	3-5	Apply before bloom and at petal fall (additional applications may be required)	500-1000
Grapevines	3-5	Apply before flowering then every 7 to 14 days until 3 weeks prior to harvest	200-800
Olives	3-5	Apply before fruit set and at fruit set (additional applications may be required)	500-1000
Potatoes	4-6	Regular applications 3 weeks after emergence	500-1000
Lucerne	3	10 to 14 days before flowering, after flowering as required	50-100
Cereal	3	5 leaf stage to mid tillering	50-100

ROOTER

PLANT ORIGIN LIQUID ROOTING AGENT ENHANCED WITH PLANT GROWTH REGULATORS

Guaranteed Ingredients:	**w/w**
Organic Material	40 %
Organic Carbon	18 %
Water Soluble Potassium Oxide (K_2O)	1 %
pH Interval	4-6

SPECIAL LINE • QUALITY PRODUCT • SPECIAL LINE

➔**Growth acceleration:** Accelerates the plant growth cycle.
➔**Root growth:** Due to various PGR content, it promotes root propagation.
➔**Nutritional equilibrium:** Promotes nutrient absorption and improves plant health.
➔**Soils improvement:** Improves soils structure and improved water retention.
➔**Strong plants:** Enhances plant resistance and promotes strong growth.
➔Enhances 5 plant immunity and reduces pests and illness.

PRODUCTS	USAGE	AMOUNT OF USAGE	TIME OF USAGE
Cereals (Wheat, Barley, Rice Plant, Oat etc.)	FOLIAR	250-300 ml/100 L water	1 Application: Its being used with glyphosate 2 Application: Its being used at bolting period
	SOIL	1-3 L/da	Its being used with irrigation water at tillering period
Industrial Plants (Com, Sugar Beet, Cotton, Sunflower, Potato etc.)	FOLIAR	250-300 ml/100 L water	2nd application is being made after 15-20 days from hoeing period
	SOIL	1-3 L/da	It should be given at 1st and 3rd irrigation period after origin.
Legumes (Bean, Pea, Garbanzo, Soya)	FOLIAR	250-300 ml/100 L water	2 application should be made at 1st hoeing period and before flower formation
	SOIL	1-3 L/da	Its being implemented 2 periods as before flower with irrigation water and bean formation period.
Greenhouse and Open Field Vegetables (Tomato, Pepper, Eggplants, Lettuce, Cabbage, Cucumber etc.)	FOLIAR	250-300 ml/100 L water	First implementation being made after 2 weeks from planting and 3 more implementation being made until 20 days before harvest.
	SOIL	1-3 L/da	First application being made two weeks after plantation and its being maintained every 10 day.
Fruit Trees (Citrus, Fig, Hazel and Banana)	FOLIAR	300 ml/100 L water	First application being made after leaf formation 2nd application being made right after fruit formation
	SOIL	1-3 L/da	2 applications being made as flower formation period and fruit formation.
Flowers and Ornamental Plants	FOLIAR	150-200 ml/100 L water	2-3 periods from cultivation period till harvest period
	SOIL	1-3 L/da	Through cultivation period interval at 10 days
Vineyards	FOLIAR	250-300 ml/100 L water	2 applications being made FOLIAR formation period until the end of sour grape period
	SOIL	1-3 L/da	2 applications being made FOLIAR formation period until the end of harvesting period.

CYTOMAX

LIQUID SEAWEED EXTRACT

Guaranteed Ingredients:	**w/w**
Organic Material	20 %
Alginic Acid	3 %
Water Soluble Potassium Oxide (K_2O)	3 %
pH Interval	8-10

High difference of heat between night and day, long seasons of cold or heat, depredation of insects, incorrect application of insecticides, pesticides and incorrect pollarding, plants tend to enter a period of stress and thus huge losses in yield occurs. CYTOMAX is applied to comfort plants that are stressed, enabling its regular growth in a fast and effective way. The success of, CYTOMAX is generated by its high level of alginic acid. Seaweed is an organic raw material which can overcome even the most difficult climate conditions consisting of a miraculous substance called alginic acid. Sea weeds that are used in the production of CYTOMAX are harvested from the different depths of various oceans from all around the globe. These seaweeds are processed without the sight of sunlight with special methods. Alginic acid that is obtained by the result of this process are blended with various types of amino acids to manufacture this unique product.

PLANTS	TIME OF APPLICATION	FOLIAR APPLICATION	DRIP AND IRRIGATION
VEGATEBLES (Greenhouse and Open Field) Tomato, Pepper, Eggplant, Cucumber, Melon, Watermelon, Strawberry, Zucchini, Bean, Pea	First application is being made at the beginning of flowering. Second application is being made at fruit formation.	75 ml for 100 L of water	150-200 ml / da
Lettuce, Spinach, Cabbage, Parsley, Broccoli	First application is being made when plants have four flowers. It's repeated after 10-15 days	75 ml for 100 L of water	150-200 ml / da
Potato, Carrot, Onion, Garlic	First application is being made when plants have four flowers. It's repeated after 10-15 days	75 ml for 100 L of water	150-200 ml / da
FRUITS Citrus, Orange, Lemon, Grapefruit, Mandarin, Apple, Pear, Apricot, Plum, Strawberry, Granatum	First application is being made at the beginning of flowering. Second application is being made after the petals fall.	75 ml for 100 L of water	150-200 ml / da
Vineyard, Bananas	First application is being made at the beginning of flowering. Second application is being made after the petals fall.	75 ml for 100 L of water	150-200 ml / da
Olive, Pistachio, Almond, Hazelnut	First application is being made at the beginning of flowering. Second application is being made after the petals fall.	75 ml for 100 L of water	150-200 ml / da
INDUSTRIAL PLANTS Cotton, Soya Bean, Com Peanut, Masoor, Tea, Sunflower, Tobacco, Chickpea	First application is being made when plants have 4-6 leaves. It's repeated after 10-15 days	75 ml for 100 L of water	150-200 ml / da
Ornamental Plants	First application is being made when plants have 4-6 leaves. It's repeated after 10-15 days	75 ml for 100 L of water	150-200 ml / da
CEREALS Wheat, Barley, Rice Plant, Oat	At tillering and bolting periods	75 ml for 100 L of water	-------

CYTOFORTE

LIQUID SEAWEED EXTRACT

SPECIAL LINE • QUALITY PRODUCT • SPECIAL LINE

Guaranteed Ingredients:	**w/w**
Organic Material	35 %
Alginic Acid	7 %
pH Interval	8-10

AQUAFARM CYTOFORTE CONSISTS OF THE HIGHEST AMOUNT OF ALGINIC ACIDS IN LIQUID FORM COMPARED TO OTHER PRODUCTS IN THE MARKET.

→Boosts Nutrient Absorption Efficiency
→Water Surface Tension Reduction
→Increased Contact Area for Nutrients
→Enhanced Nutrient Absorption
→Improving Soil Conditions for Plants
→Enhancing Soil Quality
→Improves water retention capacity
→Enhancing the soil's fertility by promoting the breakdown of organic substances
→Supports overall plant health and vigor.
→Aquafarm Cytoforte indirectly improves soil conditions by fostering the growth and activity of beneficial microorganisms within the soil ecosystem.
→Creates a favorable environment for beneficial bacteria and fungi, alginic acid supports the development of a healthy soil microbiome.
This microbial diversity enhances soil structure, promotes nutrient uptake by plants, and reduces the risk of diseases caused by harmful pathogens.
→ctivates Beneficial Microorganisms
→Enhance Crop Growth
→Improved Drought Resistance

PLANTS	TIME OF APPLICATION	FOLIAR APPLICATION	DRIP AND IRRIGATION
VEGATEBLES (Greenhouse and Open Field) Tomato, Pepper, Eggplant, Cucumber, Melon, Watermelon, Strawberry, Zucchini, Bean, Pea	First application is being made at the beginning of flowering. Second application is being made at fruit formation.	50 ml for 100 L of water	100-150 ml / da
Lettuce, Spinach, Cabbage, Parsley, Broccoli	First application is being made when plants have four flowers. It's repeated after 10-15 days	50 ml for 100 L of water	100-150 ml / da
Potato, Carrot, Onion, Garlic	First application is being made when plants have four flowers. It's repeated after 10-15 days	50 ml for 100 L of water	100-150 ml / da
FRUITS Citrus: Orange, Lemon, Grapefruit, Mandarin, Apple, Pear, Apricot, Plum, Strawberry, Granatum	First application is being made at the beginning of flowering. Second application is being made after the petals fall.	50 ml for 100 L of water	100-150 ml / da
Vineyard, Bananas	First application is being made at the beginning of flowering. Second application is being made after the petals fall.	50 ml for 100 L of water	100-150 ml / da
Olive, Pistachio, Almond, Hazelnut	First application is being made at the beginning of flowering. Second application is being made after the petals fall.	50 ml for 100 L of water	100-150 ml / da
INDUSTRIAL PLANTS Cotton, Soya Bean, Com Peanut, Masoor, Tea, Sunflower, Tobacco, Chickpea	First application is being made when plants have 4-6 leaves. It's repeated after 10-15 days	50 ml for 100 L of water	100-150 ml / da
Ornamental Plants	First application is being made when plants have 4-6 leaves. It's repeated after 10-15 days	50 ml for 100 L of water	100-150 ml / da
CEREALS Wheat, Barley, Rice Plant, Oat	At tillering and bolting periods	50 ml for 100 L of water	-------

MICRO-B

MICROBIAL FERTILIZER

Guaranteed Ingredients:	**w/w**
Water Soluble Manganese (Mn)	4 %
Water Soluble Zinc (Zn)	4 %

Microbial fertilizers have emerged as an innovative solution in the world of modern agriculture, as proper crop nutrition is essential to ensure productivity and quality. Aquafarm Micro-B not only improves plant health but also contributes to soil regeneration and promotes a more balanced and resilient agricultural system. Aquafarm Micro-B contains beneficial live microorganisms that acts directly on the soil and plants to enhance their ability to absorb nutrients. Unlike traditional chemical fertilizers, which only provide nutrients directly, microbial fertilizers create a favorable ecosystem in the soil, naturally and sustainably boosting its fertility over the long term.

Aquafarm Micro-B contains:

1. Nocardiopsis alba

It contributes to the formation of humus by decomposing organic matter in the soil. It increases soil biological activity, thus promoting the development of a more balanced microflora in the plant root zone.

→ Accelerates the decomposition of organic waste.
→ Helps plant roots become healthier and more resilient.
→ Loosens soil structure and improves aeration.

2. Acetobacter fabarum

This bacterium, which thrives in acidic environments and belongs to the group of vinegar bacteria, synthesizes plant growth regulators (such as IAA and gibberellins) that promote plant development in agriculture. It also has nitrogen-fixation capability.

→ Stimulates root development in plants.
→ Enhances the uptake of nutrients, especially nitrogen and phosphorus.
→ Contributes to increased sugar content and quality in fruit trees.

3. Azospirillum brasilense

This bacterium is one of the free-living nitrogen-fixing microorganisms. It is particularly effective in cereal crops such as corn, wheat, barley, and sugarcane.

→ Fixes atmospheric nitrogen to plant roots, reducing the need for fertilizers.
→ Colonizes root surfaces, thickening roots and promoting the formation of more fibrous roots.
→ Increases plant tolerance to stress conditions such as drought and salinity.

4. Penicillium chrysogenum

Although it is best known for its role in producing the antibiotic penicillin, in agriculture it acts as a phosphorus-solubilizing fungus. It converts insoluble phosphates in the soil into forms that plants can absorb.

→ Increases the availability of phosphorus to plants.
→ Supports flowering and fruit set in plants.
→ Enhances soil biodiversity and suppresses pathogenic microorganisms.

For all crops 200-300 ml/da during plant development period is advised.

MULTIPOWDER

MICRONUTRIENTS MIXTURE & MAGNESIUM CHELATED WITH ORGANIC ACIDS

Guaranteed Ingredients:	**w/w**
Water Soluble Zinc (Zn)	7 %
Water Soluble Iron (Fe)	7 %
Water Soluble Manganese (Mn)	5 %
Water Soluble Copper (Cu)	1 %
Water Soluble Boron (B)	1 %
Water Soluble Magnesium Oxide (MgO)	3 %

Multi Powder is recommended to be applied in early stages to remedy the problem of micro elements deficiency. Micro elements are necessary for plant development, and their deficiency affects yield and quality.

Deficiency of micro elements results in yield losses by slowing down the amino acid synthesis and photosynthesis. Multi Powder chelated with organic acids provides increase in yield by its high iron, zinc, manganese, copper, boron and magnesium content. Multi Powder can be mixed with pesticides. It is absorbed easily by plants without being affected by soil pH or the pH of the solution. It can be used with all irrigation systems and by foliar applications at all stages. It can be applied safely during fruit development stage.

PLANTS	APPLICATION PERIOD	DRIP AND IRRIGATION	FOLIAR
Open Field, Greenhouse and Under Cover Vegetables. Tomato, pepper, Aubergine, Bean, Cucumber, Melon Etc.	Along the season after transplant	0,5 - 1 kg / da	125 – 150 g / 100 L water
Tuberous Plants Beetroot, Radish, Potato, Onion, Carrot	Along the season	1 - 2 kg / da	125 – 150 g / decar
Corn, Sunflower, Wheat	Along the season starting at 3 – 4 leaf stage	1 - 2 kg / da	125 – 150 g / decar
Fruit Trees Apple, Pear, Quince Cherry, Apricot, Peach, Citrus, Trees Olive, Pistachio	After fruit set, along the harvest	Throughout the season 30-60 g per tree	125 – 150 g / 100 L water
Strawberry	Throughout the season after transplant	1 - 2 kg / da	125 – 150 g / 100 L water
Vineyards	Starting at branch set till the fruits colored	1 - 2 kg / da	125 – 150 g / 100 L water

FLOMAX

BLENDED MIXTURE OF SPECIAL MACRO & MICRONUTRIENTS, VITAMIN B COMPLEX & GA3

Guaranteed Ingredients:	**w/w**
Total Nitrogen	3 %
Ammonium Nitrogen (NH_4-N)	3 %
Water Soluble Phosphorous Penta Oxide (P_2O_5)	33 %
Water Soluble Potassium Oxide (K_2O)	10 %
Water Soluble Boron (B)	3 %
Water Soluble Molybdenum (Mo)	3 %
Total Free Amino Acids	1,5 %

FLOMAX is a special product with high effect that is completely soluble in water. FLOMAX obtains special vitamins such as (B1, B2, B12), folic acids and it carries in 100 L of water 75 ppm/15 ppm's of GA-3 (gibberellic acid formulated not to leave residue). FLOMAX is advised to be used before blooming, during blooming to increase flower buds, after blooming and before harvesting to increase crops. If applied as a coating agent, it increases the plant holding of fruit drastically without the usage of any type of hormones. Plant physiology, at the summertime, because of the environmental conditions, female parts of the plant gets longer whereas the male parts become shorter. The situation is exactly the opposite in the winter conditions. This is because the plant cannot generate the biochemical reactions that harmonize the plant physiology. Plants have tendency for incorrect nutrition when under stress. At this point FLOMAX can be applied to organize the plant physiology in a matter of days and correct impregnations and thus stops LOSS OF YIELD.

PLANTS	FOLIAR APPLICATION	APPLICATION
All Green houses	After first foliar application: After seedling plantation, when the plant reaches height of 25 – 30 cm 2 weeks after first blossom. Second foliar application: 10 days after the first application	For all season
Vineyards	Before flowering	2-3 applications advised
Fruits	Before flowering	
Potato and Sugar Beet	When 3-4 leaves, after first hoer.	
Cotton	Before flowering	
Strawberries and Flowers	15 days after seedling plantation, before fruit / bud on every harvesting and cutting periods	Depending on the harvesting Frequency

MOZBOR

SPECIAL BLEND OF BOR, ZINC, MAGNESIUM & MOLYBDENUM DEVELOPED FOR ENHANCED FLOWERING

Guaranteed Ingredients:	**w/w**
Water Soluble Boron (B)	10 %
Water Soluble Zinc (Zn)	3 %
Water Soluble Molybdenum (Mo)	3 %
Water Soluble Magnesium Oxide (MgO)	4 %

Plants that are exposed to incorrect nutrition and unfavorable environmental conditions are subject to face problems regarding flowering and pollen generation. MOZBOR, is designed to solve such problems. Enriched with a special boron source with zinc and molybdenum and added magnesium, MOZBOR powers up the buds by effecting the enzymatic reactions that form flower physiology. MOZBOR, as a powerful flowering agent, can even open up closed buds in order to harvest maximum yield. MOZBOR, can be applied foliar in all fruits and vegetables and if needed can be applied also from drip and irrigation systems. It is advised to use CYTOMAX along with MOZBOR in recommended dosages.

PLANTS	APPLICATION PERIOD	DRIP AND IRRIGATION	FOLIAR
Cereals (Rice Plant, Wheat, Dough and Corn)	When plant has 3-5 leaves, when its growing top tassel or on tillering period with depilatory	250 g/da	100 g per 100 L water
Strawberry and Cut Flowering	On 5-6 leaves period, Before flower and with 20 days of gap	250 g/da	100 g per 100 L water
Tuber Plants: (Potato, Radish, Carrot, Onion, Sugar Best)	Between September-April with winter fertilizer	250 g/da	100 g per 100 L water
Vineyards	First implementation on flowering period second application when fruits are as big as chickpea	250 g/da	100 g per 100 L water
Citrus	First implementation on flowering period, second application when fruits are as big as nuts	250 g/da	100 g per 100 L water
Fruit Trees (Apple, Cherry, Peach, Pear, Quince, Apricot)	First implementation on flowering period, second application when fruits are as big as nuts	250 g/da	100 g per 100 L water
Soya, Chickpea, Pea, Peanut	Before flower and 20 days after flower	250 g/da	100 g per 100 L water
Cotton	When it has 3-5 leaves, on flowering and at scallop	250 g/da	100 g per 100 L water
Greenhouse and Open Field Vegetables (Tomato, Pepper, Eggplant, Melon)	After seedlings soil (plant transposition) change, on flowering period and after first fruit	250 g/da	100 g per 100 L water

NITROMAX

UREA SULPHATE SOLUTION

Guaranteed Ingredients:	**w/w**
Total Nitrogen (N)	18 %
Urea Nitrogen (NH_2-N)	18 %
Water Soluble Sulphur Trioxide (SO3)	30 %

NITROMAX, due to its low pH level, helps to open any blockages in the drip and irrigation systems. Generally, in most fields in our region, the pH of the soil is high (8-9), NITROMAX unlike the powder sulfur products helps to decrease the pH level of the soil fast, even in a matter of days.

NITROMAX decreases the salt level of the soil. NITROMAX helps the soil, thus the plant absorbs all the leftovers of years of fertilizing such as nitrogen, phosphorous, potassium and even some microelements. As a result, it decreases fertilization costs. NITROMAX enhances the growth of the plant with amidic nitrogen it carries and increases yield. NITROMAX is also a powerful rooting agent.

WARNING: NITROMAX CAN ONLY BE USED ONLY FROM DRIP AND IRRIGATION SYSTEMS AND SOIL APPLICATIONS BUT NEVER FOLIAR.

PLANTS	APPLICATION PERIOD	DRIP AND IRRIGATION
Fruit Trees	1 application per week	2-3 kg /da
Vegetables	1 application per week	3-4 kg /da
Strawberries	1 application per week	3-4 kg /da
Bananas	1 application per week	4-5 kg /da

NITROPLUS

UREA AMMONIUM NITRATE (UAN) SOLUTION

Guaranteed Ingredients:	**w/w**
Total Nitrogen (N)	32 %
Urea Nitrogen (NH_2-N)	16 %
Nitrate Nitrogen (NO_3-N)	8 %
Ammonium Nitrogen (NH_4-N)	8 %

Each form of nitrogen in NITROPLUS offers unique advantages. Nitrate nitrogen provides fast-acting plant food, allowing for a quick response and growth. Ammonium nitrogen delivers longer-lasting nutrition, ensuring sustained feeding for crops. Urea, water-soluble organic nitrogen, contributes to nutrient availability and supports extended plant feeding.

By incorporating these three forms of nitrogen, NITROPLUS offers a balanced and comprehensive approach to fertilization. It provides both rapid nutrient availability and continuous feeding, supporting the growth and development of crops over time.

Benefits of AQUAFARM NITROPLUS

→Provides both fast-acting and long-lasting plant food through its combination of three forms of nitrogen.

→Demonstrates excellent compatibility with other fertilizers and various chemicals.

→Easy to store, handle, and calibrate, ensuring accurate application in the field.

→Exhibits high application efficiency in all climatic zones.

→Allows uniform and homogeneous application, ensuring consistent nutrient distribution across the crop.

PLANTS	APPLICATION PERIOD	DRIP AND IRRIGATION	FOLIAR APPLICATION
All Greenhouse Vegetables	Starting to application from planting and continuing implementing during season	1.5-2.5 L/da	200-400 ml per 100 L of water
All Fruit Trees	Starting to application from early flowering period until end of harvest with 21 days of gap	2-3 L/da	200-400 ml per 100 L of water
Banana, Citrus and Vineyards	Starting to application from early flowering period until end of harvest with 21 days of gap	3-4 L/da	200-400 ml per 100 L of water
Open Field Products	Application would be made at the first periods which growth began	1-2 L/da	200-400 ml per 100 L of water
Flowery and Ornamental Plants	From the growth period	1 -2 L/da	200-400 ml per 100 L of water
Grass Areas	After every mow	1 -2 L/da	200-400 ml per 100 L of water

FERTICAL

CALCIUM NITRATE SOLUTION

Guaranteed Ingredients:	**w/w**
Total Nitrogen	8 %
Nitrate Nitrogen (NO_3-N)	8 %
Water Soluble Calcium Oxide (CaO)	13,5 %
Water Soluble Boron (B)	0,02 %

→Improves Plant Structure: Calcium strengthens cell walls, leading to sturdier plants with improved resistance to pests and diseases.

→Enhances Root Development: Calcium is vital for root elongation and overall root health, supporting nutrient uptake and water absorption.

→Prevents Nutrient Deficiencies: Supplies readily available calcium and nitrogen, preventing deficiencies that can lead to poor growth and reduced yields.

→Increases Fruit Quality: Helps prevent physiological disorders like blossom end rot in tomatoes, bitter pit in apples, and tip burn in lettuce.

→Boosts Leafy Growth: Nitrogen promotes vigorous leafy growth, essential for crops like leafy greens, corn, and other nitrogen-demanding plants.

PLANTS	APPLICATION TIME	APPLICATION METHOD / DOSE
All Vegetables (Greenhouse and Open Field)	1 Application before flowering period 2-3 Application with 10 days interval after fruit development	250-300 ml 100 L water (Foliar)
Melon, Zucchini	2-3 Application with 10 days interval after fruit development	250-300 ml 100 L water (Foliar)
Olive, Pistachio, Hazelnut	2 Applications with 15 days interval at the start of flowering period	250-300 ml 100 L water (Foliar)
Citrus, Banana, Avocado	Every period that is fertilizing is required. Approximately 3-4 application	250-300 ml 100 L water (Foliar)
Apple, Pear, Cherry, Apricot etc.	After the fruits start to form and on summer buds. 3-4 applications at total.	250-300 ml 100 L water (Foliar)
Vineyards	Every period that is fertilizing is required. (except flowering period) Approximately 3-4 application	250-300 ml 100 L water (Foliar)
Legume	When plants have 3-4 leaves and after 20 days from first application	250-300 ml 100 L water (Foliar)
Cotton	2-3 application with 10-15 days interval starting from flowering period	250-300 ml 100 L water (Foliar)
Tuber Plants (Potato, Onion, Sugar Beet etc.)	When plants have 3-4 leaves and after 20 days from first application	250 ml 100 L water (Foliar)
Pasture Plants	1 month after planting and after every harvest	200 ml 100 L water (Foliar)
Cereals	At tillering period	200 ml 100 L water (Foliar)

POTAS X

LIQUID POTASSIUM SOLUTION CHELATED WITH ORGANIC ACIDS

Guaranteed Ingredients:	**w/w**
Water Soluble Potassium Oxide (K_2O)	30 %
pH Interval	7-9

Aquafarm Potas-x is an effective potassium solution chelated with various organic acids in order to increase the absorption of potassium by plants. Commonly used in final stages of plantation, close to harvest time to increase shape, color and the volume of the fruit.

Potassium has an important role in a very wide area of physiological functions, from protein synthesis to adjustment of water balance in the plant that are necessary for the growth of the plant. Lack of potassium can be seen clearly by yellowish color or darker color on the leaf's edges. In case of potassium deficiency, events such as weakness against diseases or decreasing of the resistance, stagnancy in fruit growing and delay of the formation of fruit enlargement are observed. Potas-X increases sprouting and fruiting. It provides longer shelf life. Also, it removes the problem of color formation in the fruits. The quality and yield of the plants are increased. Potas-X causes the plant to grow in a balanced way, also it increases the quality of the product and promotes standardization. Effects can be observed very fast after application.

PLANTS	APPLICATION TIME	APPLICATION	DRIP IRRIGATION
Open Field Greenhouse and Cultivation Vegetables	Right after planting seedling during season	1-3 L / da	150-200 ml per 100 L of water
Field Plants	From the plants born during season	1-3 L / da	150-200 ml per 100 L of water
Fruit Trees	After the plant wake up during season	1-3 L / da	150-200 ml per 100 L of water
Citrus (Mandarin, Orange, Lemon)	During season after tree woke up	1-3 L / da	150-200 ml per 100 L of water
Olive	During season after tree woke up	1-3 L / da	150-200 ml per 100 L of water
Strawberry	Right after planting seedling during season	1-3 L / da	150-200 ml per 100 L of water
Banana	Right after planting seedling during season	1-3 L / da	150-200 ml per 100 L of water
Vineyard	After vinestock wake up during season	1-3 L / da	150-200 ml per 100 L of water
Grass Areas	With the irrigation after planting seeds, while entering winter after renewal of grass areas	1-3 L / da	150-200 ml per 100 L of water

SILIKATE

POTASSIUM SILICATE

Guaranteed Ingredients:	**w/w**
Water Soluble Potassium Oxide (K_2O)	13 %
Water Soluble Silicium dioxide (SiO2)	26 %
Density	1,4 g/l

Aquafarm SiliKate accumulates in a layer in the epidermal cells just beneath the cuticle layer.

Aquafarm SiliKate protects the plant against biotic and abiotic stresses.

Silicone accumulation in the cell wall provides mechanical protection against insects. Insects have difficulty penetrating the silicon-strengthened cuticle layer.

Aquafarm SiliKate is clearly noticeable that silicon-treated plants have a more vibrant green color. Aquafarm SiliKate increases photosynthesis rates in plants, which in turn leads to an increase in plant dry weight.

Aquafarm SiliKate significantly reduces environmental stress, hot and cold weather, and water and soil toxicity, and significantly benefits root and leaf growth. By supporting beneficial bacteria in the soil, Aquafarm SiliKate can boost root development.

Aquafarm SiliKate acts as a natural fungicide. Sprayed on the plant, potassium silicate creates an invisible barrier, minimizing insect and fungal attacks and protecting the plant from damage. This helps plants resist diseases and other pests. Aquafarm SiliKate balances nutrient uptake in the root zone, chlorophyll concentration in the leaves, ensuring strong plant growth.

CROPS	FOLIAR APPLICATION	APPLICATION VIA DRIP IRRIGATION
VEGETABLES (Greenhouse or Open Field) Tomato, Pepper, Eggplant, Cucumber, Zucchini, Bean, Pea, Lettuce, Spinach, Cabbage, Parsley, Cauliflower	150 - 300 ml / 100 L water	500 – 1000 ml / da
Potato, Carrot, Onion, Garlic	150 - 300 ml / 100 L water	500 – 1000 ml / da
FRUITS Citrus, Orange, Lemon, Mandarin, Grapefruit, Apple, Pear, Apricot, Peach, Plum, Cherry, Sour Cherry, Quince, Pomegranate, Melon, Banana, Watermelon	150 - 300 ml / 100 L water	500 – 1000 ml / da
Olive, Pistachio, Almond, Hazelnut	150 - 300 ml / 100 L water	500 – 1000 ml / da
INDUSTRIAL CROPS Cotton, Soybean, Peanut, Corn, Lentil, Sunflower, Chickpea	150 - 300 ml / 100 L water	500 – 1000 ml / da
Tobacco, Tea	150 - 300 ml / 100 L water	500 – 1000 ml / da
ORNAMENTAL PLANTS	150 - 300 ml / 100 L water	500 – 1000 ml / da
CEREALS Wheat, Barley, Rice, Oat	150 - 300 ml / 100 L water	500 – 1000 ml / da

BORKAN

POTASSIUM BORATE

Guaranteed Ingredients:	**w/w**
Water Soluble Potassium Oxide (K_2O)	28 %
Water Soluble Boron (B)	12 %

Aquafarm Borkan is used to provide essential potassium and boron to plants. Boron is a vital micronutrient that helps with cell wall formation, reproductive growth, and the development of seeds and fruits.

1. Boron Uptake and Mobility:
Boron uptake by plants can be affected by potassium levels in the soil. Adequate potassium levels can enhance the uptake of boron by plant roots.
Potassium can influence the mobility of boron within the plant, aiding its translocation to various tissues and organs.

2. Cell Wall Structure and Integrity:
Both boron and potassium play roles in maintaining cell wall structure and integrity.
Boron helps in cell wall formation, cross-linking with pectin and stabilizing the structure.
Potassium, as a key osmoregulatory, contributes to maintaining turgor pressure, affecting cell wall rigidity and strength.

3. Water Uptake and Regulation:
Adequate potassium levels in plant cells help in regulating water uptake and maintaining cell turgor pressure.
Boron assists in osmoregulation, ensuring proper water balance within plant cells, which is crucial for various physiological processes.

4. Photosynthesis and Carbohydrate Metabolism:
Potassium is essential for photosynthesis, as it activates enzymes involved in carbon dioxide uptake and carbohydrate metabolism.
Boron indirectly influences carbohydrate metabolism, impacting energy availability for plant processes.

5. Nutrient Uptake and Translocation:
Potassium facilitates the uptake of various nutrients, including boron, by plant roots.
Boron, when in adequate supply, enhances the translocation of potassium and other nutrients within the plant.

6. Stress Tolerance:
Both boron and potassium contribute to stress tolerance in plants.
Potassium helps plants withstand drought, salinity, and other stressors, indirectly influencing boron uptake and utilization.
Boron aids stress tolerance by improving plant resilience against abiotic stresses.

7. Reproduction and Seed Development:
Adequate boron and potassium levels are crucial for successful reproduction, flower development, pollen germination, and seed formation.
They support the proper functioning of enzymes and metabolic processes involved in these reproductive processes.

8. Interactions with Other Nutrients:
Both boron and potassium interact with other essential nutrients, such as calcium and magnesium, influencing their uptake and utilization.
Balanced levels of boron and potassium are essential for optimal plant growth and development. The interaction between these two nutrients highlights their importance in maintaining plant health, supporting nutrient uptake and translocation, and aiding in stress tolerance, ultimately leading to healthy and productive plants. Proper soil management and fertilization practices are crucial to ensure plants have adequate access to both boron and potassium.

APPLICATION GUIDE:
Used before flowering stage till end of fruit setting stage.
Used to prevent and treat deficiency of Boron during any time of plant cycle.
Foliar: 1-2 kg/1000 L of water
Drip Irrigation: 2.5-4 kg/ha

K25-42

POTASSIUM THIOSULPHATE

Guaranteed Ingredients:	**w/w**
Water Soluble Potassium Oxide (K_2O)	25 %
Water Soluble Sulphur Trioxide (SO3)	42 %
Water Soluble Sulphur (S)	17 %
pH range	6.8-8.5
Density range (at 25°C)	1.45-1.49

AQUAFARM K25-42 is a clear, chloride-free solution that features the highest liquid potassium and sulfur content available on the market.
→Boosts crop quality improves consistency, protein content, crop color, sweetness and shelf life
→High potassium delivers efficiency to ensure a better crop yield
→Liquid potassium and sulfur fertilizer without either nitrogen or chloride
→Low salting out temperature

BENEFITS
Crop quality
→Encourages uniform growth
→Increases the production of protein and its quality
→Enhances crop resistance to environmental stress
→Assists the translocation of sugar and starch Active thiosulfate benefits
→Increases chlorophyll content
→Assists the synthesis and functioning of enzymes and vitamins in the plant
→Optimizes fertilizer efficiency
→Improves availability of nutrients in the soil, particularly phosphorus and micronutrients Nutrient uptake
→K uptake is at least 30% more efficient compared with conventional K-fertilizers
→Provides potassium and sulfur, which are essential for all crops

PLANTS	APPLICATION TIME	IRRIGATION	APPLICATION
Greenhouse Vegetable Gardening Tomato, Pepper, Eggplant, Cucumber, Bean, Peas	When preparing soil, when the fruits get bigger as nuts, one time on every 15 days with drip irrigation	1,5 L/da 400 ml/da	250 ml per 100 L of water
Open Field Vegetable Gardening Tomato, Pepper, Eggplant, Cucumber, Bean, Peas	When preparing soil, when the fruits get bigger as nuts, one time on every 15 days with drip irrigation	2 L/da 500 ml/da	350 ml per 100 L of water
Plants that have edible leaves	When preparing soil, when plants have 6-7 leaves, once every 15 days with drip irrigation	2 L/da 500 ml/da	350 ml per 100 L of water
Strawberry	When preparing soil, when the fruits get bigger as nuts, one time on every 15 days with drip irrigation	2 L/da 500 ml/da	350 ml per 100 L of water
Melon, Watermelon and Zucchini	When preparing soil, when the fruits get bigger as nuts, one time on every 15 days with drip irrigation	2 L/da 600 ml/da	350 ml per 100 L of water
Citrus	With drip irrigation in spring when the fruits get bigger as nuts, and in late Autumn	3 L/da 2 L/da	400 ml per 100 L of water
All Fruit Trees	With drip irrigation in spring when the fruits get bigger as nuts, and in late Autumn	3 L/da 2 L/da	400 ml per 100 L of water
Vineyards	With drip irrigation in spring when the fruits get bigger as nuts, and in late Autumn	1,5 L/da 2 L/da	250 ml per 100 L of water
industrial Plants	When preparing soil, when the plant length became 10 cm, one time on every 15 days with drip irrigation	1,5 L/da 400 ml/da	400 ml per 100 L of water

CUPRAMIN

COPPER GLUCONATE SOLUTION

Guaranteed Ingredients:	**w/w**
Water Soluble Copper (Cu)	8 %
pH interval	7-9

Cupramin is copper based fertilizer chelated with gluconic acid which is an organic acid derived from glucose. This combination forms a copper complex that is more soluble and bioavailable than other forms of copper, making it more readily absorbed by plants. Its formula increases copper absorption both through the roots (systemic) and the stomata, due to the phytocompatibility of plants with this organic acid. Copper is involved as a catalyst for enzymatic reactions; it is actively involved in the process of photosynthesis and protein synthesis.

Due to nitrogen content, pH of product makes it safer to use even in unfavorable conditions compared to other copper solutions in the market because of its neutral pH.

PLANTS	FOLIAR APPLICATION	DRIP&IRRIGATION
Vegetables	150-200 ml/100 L water	3-6 L/ha
Orchards	150-200 ml/100 L water	4-8 L/ha
Olive	200-400 ml/100 L water	5-10 L/ha
Vineyard	200-300 ml/100 L water	5-10 L/ha
Cereals	200-300 ml/100 L water	-------

CUPRAPHOS

COPPER PHOSPHITE SOLUTION

Guaranteed Ingredients:	**w/w**
Water Soluble Copper (Cu)	5 %
pH interval	3-5

Cupraphos is a solution made from phosphorus and copper, in which the phosphorus is in the form of phosphite. The phosphite ion promotes the synthesis of phytoalexins and has antifungal power. The copper is involved in chlorophyll synthesis and in the cellular respiration of the plants, participates in the synthesis of lignin (constituent of cell walls) and in many enzymatic processes. Cupraphos is a bactericide and fungicide that stimulates the natural defenses of plants. In this manner, it increases the resistance of plants to environmental, nutritional and/or pathological critical situations.

→Boosts vigor and growth

→Crop maturation

→Stimulate root development and metabolism

→Promotes flowering and fruiting

→Important in seed formation and production

→Essential for proper enzyme activity

→Helps in photosynthesis and chlorophyll formation

PLANTS	FOLIAR APPLICATION DOSAGE	IRRIGATION
Fruits	200-300 ml/100 L water	1,5 L/da
Vegetables	200-300 ml/100 L water	2 L/da
Vineyards	200-300 ml/100 L water	2 L/da
Citrus	150-200 ml/100 L water	2 L/da
Olive Trees	200-300 ml/100 L water	2 L/da
Flowers	150-200 ml/100 L water	2 L/da

POLYZINC

NP & ZINC SOLUTION

Guaranteed Ingredients:	**w/w**
Total Nitrogen	5 %
Urea Nitrogen (NH_2-N)	5 %
Water Soluble Phosphorous Penta Oxide (P_2O_5)	25 %
Water Soluble Zinc (K_2O)	4 %

AQUAFARM POLYZINC is primarily a highly concentrated mixture of Nitrogen, Phosphorus, and Zinc.

AQUAFARM POLYZINC promotes FLOWER SETTING (FORMATION), FLOWER BINDING, AND HIGH YIELD in the plants it is applied to, and it has a stimulating effect on the plant's GENERATIVE structures. It is advisable to apply it as a foliar spray during sunrise and sunset whenever possible.

AQUAFARM POLYZINC should not be mixed with Calcium, Sulfur, or alkaline fertilizers.

AQUAFARM POLYZINC is used as a solution when plants show deficiencies in Zinc (Zn), Phosphorus (P), and Nitrogen (N) simultaneously and intensely.

Due to the rapid absorption of AQUAFARM POLYZINC by plants, 1 – 2 applications will effectively resolve deficiencies in Zinc, Phosphorus, and Nitrogen.

AQUAFARM POLYZINC leaves no residue or stains. The waiting period is 0 days. In areas where bumblebees are used for pollination (greenhouses and fruit orchards), there are no adverse effects on bees.

APPLICATION METHOD

For Vegetables: Foliar Application 150 – 200 cc/ 100 L of water, Drip Application 1 – 2 L / 1000m^2 area.

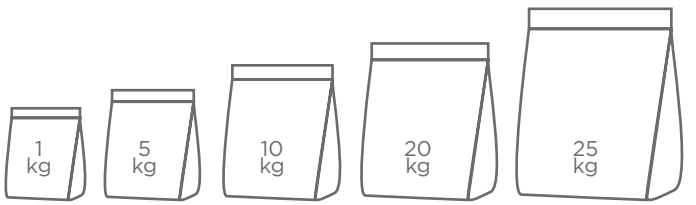
For Fruits: Foliar Application 150 – 200 cc/ 100 L of water, Drip Application 1 – 2 L / 1000 m^2 area.

For Field Crops: Foliar Application 100 cc/ 100 L of water, Drip Application 1 L / 1000 m^2 area.

EXPLORER NPK

EXPLORER SERIES
NPK FORMULATIONS

- ↘ Aquafarm Explorer 20-20-20+TE
- ↘ Aquafarm Explorer 10-52-10+TE
- ↘ Aquafarm Explorer 12-12-36+TE
- ↘ Aquafarm Explorer 18-18-18+TE
- ↘ Aquafarm Explorer 13-13-13+TE
- ↘ Aquafarm Explorer 11-8-22+TE
- ↘ Aquafarm Explorer 12-4-43+TE
- ↘ Aquafarm Explorer 0-46-30+TE
- ↘ Aquafarm Explorer 7-40-7+2% MgO + 2% Zn+TE
- ↘ Aquafarm Explorer 10-0-30 + 8% CaO+TE



***** ALL NPK FORMULATIONS ARE EITHER NITRATE OR SULPHATE BASED AND FREE OF CHLORINE WITH PERFECT SOLUBILITY AND MATCHING TRACE ELEMENTS.**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