



KEYSOL AGRO





KEYSOL AGRO

KEYSOL AGRO is the fresh fruit of three decades of experience in agrochemicals business. Here, at KEYSOL AGRO, we focus on disciplined investments and operational excellence to respond to growers' needs promptly and professionally.

Regardless of the market environment challenges, we always act with an abiding sense of responsibility, build trusting relationships, and help our clients thrive.

KEYSOL AGRO manufactures and distributes millions of tonnes of high quality plant nutrients and pesticides in more than 250 formulations each year. From specialty fertilizers engineered to provide advanced crop nutrition, to top-quality pesticides, all our offerings are optimized to take advantage of today's most advanced technologies.

Our Vision

Maximizing the value we deliver to our micro and macro environment.

Our Mission

Our mission is to nourish the crops of growers around the world, keep their crops healthy, and maximize their yields through sustainable solutions to enhance ecosystem resilience and human well-being.

SUPPORTING FEEDERS OF THE GLOBE

www.keysaolagro.com





KEYSOL AGRO

◆ Nano Supreme Water Soluble Fertilizers	2-6
◆ Pro WP Water Soluble Fertilizers	7-11
◆ Excellence Granular NP - PK - NPK Fertilizers	12-14
◆ Generation Alpha DMPP / DCD Granular Fertilizers	15-23
◆ Generation Alpha Organomineral Slow Release Fertilizers	24-27
◆ Keysol Chicken Manure	28
◆ KEYSOL Vivax SC - GEL Fertilizers	29-35
◆ KEYSOL ELIXIR Special Liquid Fertilizers	36-44
◆ KEYSOL NANO ELIXIR Special Liquid Fertilizers	45-48
◆ KEYSOL HUMIC & FULVIC Liquid Fertilizers	49-53
◆ KEYSOL Biohumat Powder Fertilizers	54-57
◆ KEYSOL Ferro Forte	58-59
◆ KEYSOL CASHCOW Micro Element Powder Fertilizers	60-61
◆ KEYSOL STRAIGHT & BASE Fertilizers	62-65
◆ KEYSOL SULFUR Series	66-69

KEYSOL NANO SUPREME WATER-SOLUBLE FERTILIZERS

Keysol Nano Supreme smart fertilizers with high nutrient-use efficiency are the outcomes of a cutting-edge approach to precision and sustainable agriculture. These environmentally friendly 100% chelated water-soluble fertilizers upgrade your agricultural practices, perform high even in adverse conditions, and reduce or even eliminate the need for additional inputs thanks to their super-effective nanoformulations. The rich content of Keysol Nano Supreme Fertilizers with premium quality macro and micronutrients has been engineered in numerous formulations to address every need of a plant during its lifespan.

Unique benefits of Keysol Nano Supreme Fertilizers

Reduce production costs and mitigate the environmental footprint by minimizing leaching, runoff, and gas emissions to the atmosphere.

Enable a slow and constant release of nutrients thus maximizing nutrient plant uptake.

Boost your plants' productivity by up to 30% compared to conventional mineral fertilizers.

Maximize the yield and nutrient value of your crops and extend their shelf-life.

Provide a beneficial effect in the soil due to buffer properties.

Enhance the biotic and abiotic stress tolerance in plants.

Compatible with all irrigation and spray systems.

When to Use Which Keysol Nano Supreme Fertilizer

For root growth (10 -52-10 + TE)

For flower development (10-52-10 + TE)

For lush green leaves (30-10-10 + TE)

For fruit maturity and firmness (17-7-21 + 6.5CaO + 2.5MgO + TE)

To improve fruit coloration (10-10-40 + TE)

To maximize flowering and fruit-setting performance (0-40-40)

Conventional Chemical Fertilizers

Environment Pollution
Poor Nutrient Use Efficiency
Low Factor Productivity

Keysol Nano Supreme Fertilizers

Smart Delivery ★ **Loss Reduction** ★ **High Yield** ★ **Plant Resistance** ★
Sustained Nutrient Release ★ **Improved Plant Growth** ★
High Absorption Efficiency ★ **Improved Soil Health** ★ **Higher Nutrient Uptake** ★

Lower Environmental Foot Print

Formulations

20-20-20+2MgO+TE	7-35-7+2.5MgO+TE	15-05-35+2MgO+TE
19-19-19+2MgO+TE	15-30-15+2.5MgO+TE	17-8-27+2.5MgO+TE
30-10-10+TE	10-20-10+2.5MgO+TE	16-8-24+2MgO+TE
10-52-10+TE	10-20-0+7Zn+2CaO +4MgO	20-10-20+2.5MgO+TE
11-40-10+2,5MgO+TE	10-0-45+2.5MgO+TE	17-7-21+6.5CaO+2,5MgO+TE
0-40-40+TE	12-12-36+TE	09-09-36+3MgO+TE
5-0-40	7-6-40+TE	10-10-36+3MgO+TE
10-30-20+2.5MgO+TE	15-5-40+TE	10-8-35+2.5MgO+TE

Available in 100 - 250 - 500 gr, 1- 5 - 10 - 25 - 50 kg customized bags and Big Bags.
Available in desired color, form, and formulation.

Nano Supreme 20-20-20+2MgO+TE is a multi-purpose 100% water-soluble high-end smart NPK that can be used at all stages of plant growth.

The nitrogen in its balanced formula helps to promote vegetative growth, while the phosphorous and potassium stimulate a solid root system. Furthermore, this EDTA chelated product contains various micronutrients that bring perfection to your plant even under adverse conditions.

Nano Supreme 20-20-20+2MgO+TE provides excellent results especially when used early on heavy-feeding crops like tomatoes, onions, or corn. In addition, this formulation stimulates early plant growth in heavy-feeding cool crops like broccoli, cauliflower, cabbage, etc.

It also works great in the fertilization of seedlings prior to transplanting, or feeding established plants.

Guaranteed Content (w/w)

Total Nitrogen (N)	20 %
Water Soluble Phosphorus (P ₂ O ₅)	20 %
Water Soluble Potassium (K ₂ O)	20 %
Magnesium (MgO)	2 %
Boron (B)	100 ppm 0.01 %
Copper (Cu)	70 ppm 0.007 %
Iron (Fe)	600 ppm 0.06 %
Manganese (Mn)	300 ppm 0,03 %
Molybdenum (Mo)	50 ppm 0,005 %
Zinc Oxide (ZnO)	70 ppm 0,007 %
EDTA Chelated	



Application & Dosages

Crop Types	When to Apply?	Soil Application	Foliar Application
Cotton	During flowering	2-3 kg/ha	200-300 gr / 100 L water
Potato	Tuber formation	1-2 kg/ha	200-300 gr / 100 L water
Citrus	Before flowering	1-2 kg/ha	200-300 gr / 100 L water
Vegetables & Fruits	2 - 4 applications in each period from flowering to harvest	1-2 kg/ha	300-500 gr / 100 L water

100% Water-Soluble
PURPLE CHELATE



**KEYSOL
NANO SUPREME**
WATER-SOLUBLE MACRONUTRIENTS

Nano Supreme 7-35-7+2.5MgO+TE is a high Phosphorus nanostructured fertilizer with a balanced concentration of Nitrogen and Potassium.

You can use Nano Supreme 7-35-7+2.5MgO+TE from the onset of flowering until harvest time in order to promote flowering and subsequent fruit production. This smart formulation is also highly recommended to the growers of bulb root crops such as onions, leeks, shallots, garlic, etc.

Prominent benefits of Nano Supreme 7-35-7+2.5MgO+TE

Improves flavor and increases the sturdiness of your crops.

Extends the shelf-life of crops.

Aids the development of bulbs, promotes root growth and winter hardiness, stimulates tillering, and hastens maturity.

Guaranteed Content (w/w)

Total Nitrogen (N)	7 %
Water Soluble Phosphorus (P ₂ O ₅)	35 %
Water Soluble Potassium (K ₂ O)	7 %
Magnesium (MgO)	2.5 %
Boron (B)	100 ppm 0.01 %
Copper (Cu)	70 ppm 0.007 %
Iron (Fe)	600 ppm 0.06 %
Manganese (Mn)	300 ppm 0,03 %
Molybdenum (Mo)	50 ppm 0,005 %
Zinc Oxide (ZnO)	70 ppm 0,007 %
EDTA Chelated	



Application & Dosages

Crop Types	When to Apply?	Soil Application	Foliar Application
Cotton	During flowering	2-3 kg/ha	200-300 gr / 100 L water
Potato	Tuber formation	1-2 kg/ha	200-300 gr / 100 L water
Citrus	Before flowering	1-2 kg/ha	200-300 gr / 100 L water
Vegetables & Fruits	2 - 4 applications in each period from flowering to harvest	1-2 kg/ha	300-500 gr / 100 L water

100% Water-Soluble
PURPLE CHELATE



**KEYSOL
NANO SUPREME**

WATER-SOLUBLE MACRONUTRIENTS

Nano Supreme NPK 10-10-40+TE is a high Potassium nanostructured fertilizer with a balanced concentration of Nitrogen and Phosphorous. This special EDTA chelated smart formulation enhances overall growth and keeps your plants healthy while correcting various micronutrient deficiencies.

Prominent benefits of Nano Supreme 10-10-40+TE

Promotes root growth.

Improves your plant's resistance to cold, drought, disease, and pests.

Reduces water loss, wilting, and energy losses.

Produces grain rich in starch and increases your plants' protein, Brix, and sugar content.

Improves product coloration.

Guaranteed Content (w/w)

Total Nitrogen (N)	10 %
Water Soluble Phosphorus (P ₂ O ₅)	10 %
Water Soluble Potassium (K ₂ O)	40 %
Boron (B)	100 ppm 0.01 %
Copper (Cu)	70 ppm 0.007 %
Iron (Fe)	600 ppm 0.06 %
Manganese (Mn)	300 ppm 0,03 %
Molybdenum (Mo)	50 ppm 0,005 %
Zinc (ZnO)	70 ppm 0,007 %
EDTA Chelated	



Application & Dosages

Crop Types	When to Apply?	Soil Application	Foliar Application
Fruit Trees & Garden Plants	2-4 Applications in each period from flowering to harvest	2-5 kg/ha	200-300 gr / 100 L water
Aquatic Plants	2-4 Applications in each period from flowering to harvest	1-2 kg/ha	200-300 gr / 100 L water
Ornamental Plants & Nurseries	2-4 Applications in each period from flowering to harvest	3-5 kg/ha	200-300 gr / 100 L water

100% Water-Soluble
PURPLE CHELATE



Nano Elite 0-40-40 + TE can be applied by drip irrigation and foliar application.

Nano Elite 0-40-40 + TE should be used before planting, before harvest, before flowering and during harvesting to increase yield, keep flowers and promote continuous flowering, and to prevent thin and weak growth, after planting to ensure rapid root development.

It is a chelated, 100% water soluble product specially produced for fruits and vegetables. Nano Elite 0-40-40 + TE is chelated and can be taken 100% by the plant even in cold weather.

Nano Elite products are made from high quality raw materials. This ensures quality product reliability, which is an important factor in crop production.

Guaranteed Content (w/w)

Water Soluble Phosphorus (P ₂ O ₅)	40 %
Water Soluble Potassium (K ₂ O)	40 %
Boron (B)	100 ppm 0.01 %
Copper (Cu)	70 ppm 0.007 %
Iron (Fe)	600 ppm 0.06 %
Manganese (Mn)	300 ppm 0,03 %
Molybdenum (Mo)	50 ppm 0,005 %
Zinc (ZnO)	70 ppm 0,007 %
EDTA Chelated	



Application & Dosages

Crop Types	When to Apply?	Soil Application	Foliar Application
Fruit Trees	2 - 4 applications in each period from flowering to harvest	2-5 kg/ha	150-200 gr / 100 L water
Garden Plants	2 - 4 applications in each period from flowering to harvest	2-5 kg/ha	125-175 gr / 100 L water
Aquatic Plants	2 - 4 applications in each period from flowering to harvest	1-2 kg/ha	175-200 gr / 100 L water
Ornamental Plants	2 - 4 applications in each period from flowering to harvest	3-5 kg/ha	175-200 gr / 100 L water
Nurseries	2 - 4 applications in each period from flowering to harvest	3-5 kg/ha	150-200 gr / 100 L water

100% Water-Soluble
PURPLE CHELATE



**KEYSQL
NANO SUPREME**

WATER-SOLUBLE MACRONUTRIENTS

KEYSOL PRO WP

WATER-SOLUBLE FERTILIZERS

PRO WP Water-Soluble Fertilizers are ideal for a balanced nutrient program with their NPK, amino acids, vitamins, and essential chelated micronutrients content free from phytotoxic impurities. The products in this line are available both in fine powder and crystal forms in infinite color alternatives. Their physical form gives you the freedom of applying them through all irrigation and spray systems easily.

PRO WP Water-Soluble Fertilizers eliminate the risk of blockages and immobilization of nutrients. Consequently, nutrients are readily available for immediate plant uptake. This product line perfectly meets any crop requirements during all stages from seed to harvest that plants go through thanks to its vast range of advanced NPK ratios.

Prominent benefits of PRO WP Water-Soluble Fertilizers

- Made of premium raw materials
- Ensures fast nutrient uptake
- 100% water-soluble
- Complemented by EDTA chelated micronutrients
- Bespoke formulations meeting your special needs
- Safe & fast shipment
- Long shelf-life
- Infinite particle color options
- Customized alluring packaging options

When to Use Which Expert Water-Soluble Fertilizer

For multi-purpose balanced nutrition	20-20-20+TE
To hasten vegetative development	20-10-10+TE
To accelerate cell division for rooting and stem formation	10-40-10+TE
For longer storage of vegetables and fruits	7-6-40+TE

Formulations

20-20-20+TE	10-40-10+TE	10-0-45+TE
19-19-19+TE	15-30-15+TE	7-6-40+TE
18-18-18+TE	10-30-10+TE	16-8-24+TE
17-17-17+TE	10-20-10+TE	20-10-10+TE
10-52-10+TE	12-12-36+TE	15-5-35+TE



- Available in 100-250-500 gr - 1-5-10-25-50 kg bags and Big Bags. ▪
- Available in desired color, form, and formulation ▪

PRO WP 20-20-20+TE provides your plants with effective, fast, and balanced nutrition at all stages of growth. One of its unique features is its ability to dissolve easily in water. This feature allows it to be used through all types of irrigation systems and enables optimum uptake through the foliage.

Its balanced formulation drives foliar development, develops vital root systems, fuels healthy cell development and flower growth, and eventually fruit production. Our all-purpose formula provides the optimum level of micronutrients to satisfy the demands of most growing situations.

PRO WP 20-20-20+TE ensures plants that are strong enough to withstand any stress factor.

Guaranteed Content (w/w)

Total Nitrogen (N)	20 %
Water Soluble Phosphorus (P ₂ O ₅)	20 %
Water Soluble Potassium (K ₂ O)	20 %
Boron (B)	0.02%
Copper (Cu)	0.03%
Iron (Fe)	0.06%
Manganese (Mn)	0.03%
Molybdenum (Mo)	0.002%
Zinc (ZnO)	0.02%
EDTA Chelated	



Application & Dosages

Crop Types

Apple, Pear, Peach, Plum, Apricot, Cherry, Citrus fruits, Walnuts, Almonds, Pistachios

Olive

Strawberry

Vineyard, Raspberry, Blackberry

Cotton, Soybean, Peanut, Sugar Beet, Sweet potato

Corn, Sunflower

Application

It is applied at the beginning of growth periods and when the plant needs nutritional support at a dose of 100-200 gr/daa or 200 gr/100 L water. It can be tank-mixed with many insecticides and fungicides. 3 applications can be made during the season.

When flower bunches emerge, it is applied at a dose of 100-200 gr / 100 L water. This will be repeated after the emergence of the fruit.

When the first fruit bud appears, it is applied at a dose of 200 gr / daa. It can be applied 3 or more times with 7-10 days intervals.

At the beginning of the growth period or when necessary, it is applied at a dosage of 200 gr / da

After the completion of the leaf formation, it is applied at a dose of 200 gr / daa and repeated if necessary with an interval of 15 days.

It is applied at a dose of 200 gr / daa together with weed killers. Repeat 1-2 times if necessary.



PRO WP 10-40-10+TE with its higher amounts of phosphorus than its balanced nitrogen and potassium can be labeled as a “bloom booster”.

This foliar feed is particularly designed for seed germination, tuber initiation, and for better root development in re-established vegetable transplants. It also prevents abortions in fruit crops.

This formulation is highly suggested for root vegetables such as swede, carrots, and turnips that need high phosphorus. In addition, it stimulates tillering, and hastens maturity.

Guaranteed Content (w/w)

Total Nitrogen (N)	10%
Water Soluble Phosphorus (P ₂ O ₅)	40%
Water Soluble Potassium (K ₂ O)	10%
Boron (B)	0.02%
Copper (Cu)	0.03%
Iron (Fe)	0.06%
Manganese (Mn)	0.03%
Molybdenum (Mo)	0.002%
Zinc (ZnO)	0.02%
EDTA Chelated	



Application & Dosages

Crop Types	When to Apply?	Soil Application	Foliar Application
Vegetables	The application should be split into two halves: 1) during the development period, and 2) increasing the dose, especially during the rapid development period.	3 – 5 kg / daa	150 - 200 gr / 100 L water
Fruit Trees	3 – 4 applications before and after the flowering.	100 – 150 gr / tree	150 - 200 gr / 100 L water
Vineyards	3 – 4 applications during the development period, and increasing the dose, especially before flowering.	3 – 5 kg / daa	250 - 250 gr / 100 L water
Olives	2 – 3 applications before and after the flowering.	100 – 150 gr / tree	150 - 200 gr / 100 L water
Citrus	2 – 3 applications before and after the flowering.	150 – 200 gr / tree	150 - 200 gr / 100 L water



Pro Wp 7-6-40+TE is a foliar feed that is particularly designed to cure and prevent potassium deficiency.

This product is ideal for plants rich in carbohydrates such as potatoes that require potassium for tuber growth and is highly recommended to growers who seek immediate results.

This high K formulation promotes early ripening, enhanced color, increase in sugar content, and hardness of fruit crops.

Pro Wp 7-6-40+TE applications ensure fully formed, high-quality products with extended shelf-life.

Guaranteed Content (w/w)

Total Nitrogen (N)	7%
Water Soluble Phosphorus (P ₂ O ₅)	6%
Water Soluble Potassium (K ₂ O)	40%
Boron (B)	0.02%
Copper (Cu)	0.03%
Iron (Fe)	0.06%
Manganese (Mn)	0.03%
Molybdenum (Mo)	0.002%
Zinc (ZnO)	0.02%
EDTA Chelated	



Application & Dosages

Crop Types	When to Apply?	Soil Application	Foliar Application
Vegetables (Tomato, Pepper, Eggplant)	The application should be split into two halves: 1) during the development period, and 2) increasing the dose, especially during the rapid development period.	3 – 5 kg / daa	150 - 200 gr / 100 L water
Fruit Trees	3 – 4 applications before and after the flowering.	100 – 150 gr / tree	150 - 200 gr / 100 L water
Vineyards	3 – 4 applications during the development period, and increasing the dose, especially before flowering.	3 – 5 kg / daa	250 - 250 gr / 100 L water
Olives	2 – 3 applications before and after the flowering.	100 – 150 gr / tree	150 - 200 gr / 100 L water
Citrus	2 – 3 applications before and after the flowering.	150 – 200 gr / tree	150 - 200 gr / 100 L water



GENERATION ALPHA

DMPP / DCD POWDER FERTILIZERS

Generation Alpha Slow Release Fertilizers have a remarkable impact on the market. In contrast with the granular slow-release fertilizers, Generation Alpha Slow Release Fertilizers are 100% water-soluble and easily dissolve in soil and reduce the soil hardening. With their DMPP / DCD inhibitor content, Generation Alpha Slow Release Fertilizers minimize nitrogen losses by delaying the conversion of ammonium (NH₄⁺) nitrogen to nitrate (NO₃⁻) nitrogen for 6 – 10 weeks depending on soil temperature. Thus, it is ensured that the plant makes maximum use of the given nitrogen. This is of great importance both in terms of reducing input costs in agricultural production and in protecting the natural environment. Depending on your crops' macro and micronutrient needs this product line offers various formulation options.

Recommended application rates for Generation Alpha Slow Release Fertilizers

Foliar Application : 200-300 gr / 100 L water
Soil Application : 5-20 kg / ha / day

**KEYSOL
DMPP 20-5-5+TE**



Guaranteed Content (w/w)

Total Nitrogen (N)	20%
Ammonium Inhibitor (DMPP)	0.7%
Neutral Ammonium Citrate and	
Water-Soluble Phosphorus Pentoxide (P2O5)	5%
Water-Soluble Potassium Oxide (K2O)	5%

**KEYSOL
DMPP 16-10-17+TE**



Guaranteed Content (w/w)

Total Nitrogen (N)	16%
Ammonium Inhibitor (DMPP)	0.7%
Neutral Ammonium Citrate and	
Water-Soluble Phosphorus Pentoxide (P2O5)	10%
Water-Soluble Potassium Oxide (K2O)	17%

**KEYSOL
DMPP 15-5-30+TE**



Guaranteed Content (w/w)

Total Nitrogen (N)	15%
Ammonium Inhibitor (DMPP)	0.6%
Neutral Ammonium Citrate and	
Water-Soluble Phosphorus Pentoxide (P2O5)	5%
Water-Soluble Potassium Oxide (K2O)	30%

**KEYSOL
DMPP 14-5-28+TE**



Guaranteed Content (w/w)

Total Nitrogen (N)	14%
Ammonium Inhibitor (DMPP)	0.6%
Neutral Ammonium Citrate and	
Water-Soluble Phosphorus Pentoxide (P2O5)	5%
Water-Soluble Potassium Oxide (K2O)	28%

**KEYSOL
DMPP 20-5-10+TE**



Guaranteed Content (w/w)

Total Nitrogen (N)	20%
Ammonium Inhibitor (DMPP)	0.7%
Neutral Ammonium Citrate and	
Water-Soluble Phosphorus Pentoxide (P2O5)	5%
Water-Soluble Potassium Oxide (K2O)	10%


**KEYSOL
DMPP 16-8-16+TE**



Guaranteed Content (w/w)

Total Nitrogen (N)	16%
Ammonium Inhibitor (DMPP)	0.7%
Neutral Ammonium Citrate and	
Water-Soluble Phosphorus Pentoxide (P2O5)	8%
Water-Soluble Potassium Oxide (K2O)	16%

**KEYSOL
DMPP 9-0-43+TE**



Guaranteed Content (w/w)

Total Nitrogen (N)	9%
Ammonium Inhibitor (DMPP)	0.6%
Water-Soluble Potassium Oxide (K2O)	43%

**KEYSOL
DMPP 20-0-0+3MgO+TE**



Guaranteed Content (w/w)

Total Nitrogen (N)	20%
Ammonium Inhibitor (DMPP)	0.7%
Water-Soluble Potassium Oxide (K2O)	3%



**KEYSOL
DMPP 13-40-13+TE**



Guaranteed Content (w/w)

Total Nitrogen (N)	13%
Ammonium Inhibitor (DMPP)	0.6%
Neutral Ammonium Citrate and	
Water-Soluble Phosphorus Pentoxide (P2O5)	40%
Water-Soluble Potassium Oxide (K2O)	13%

EXCELLENCE GRANULAR FERTILIZERS

Excellence Granular Fertilizers are composed of balanced nitrogen, phosphorus, and potassium that meet the specific nutritional needs of your crops throughout the growing season.

In addition, this product line contains secondary nutrients (magnesium and sulfur) and chelated micronutrients (boron, iron, manganese, molybdenum, and zinc) ensuring a complete correction for the nutritional deficiencies. Each compound granule is engineered for high-value crops to help you maximize crop yield and quality. Applying Excellent Granular Fertilizers both as seed- and side-placed starter fertilizers is a well-established and often profitable practice in enhancing yields through increasing early season plant growth and development.

Moreover, depending on your crops' chloride tolerance and your nutrition management system, you can opt between SOP and MOP based products.

Growers from all over the world enjoy Excellence Granular Fertilizers because they always provide a solution for all crop situations with a vast formulation range while ensuring easy and uniform distribution in the field by hand or machine spreading.

Prominent features of Excellence Granular Fertilizers

- Uniform round-shaped granules made up of premium raw materials,
- Bespoke formulations to meet your plant's specific needs,
- Determinable solubility speed,
- Granule color alternatives,
- Granule size according to your specification,
- No risk of nutrient segregation during shipping, handling, or spreading.
- Label with your own company logo and info,
- Packaging alternatives.

NPK Formulations

14-14-14+14S	6-20-30+15S	13-13-20+S	16-8-24+S+Ca	12-30-12+12S03+TE
17-17-17+17S	6-24-24+12S	24-24-12+S	8-8-8+S+Mg+Ca	5-0-25+5MgO+15S03
12-12-17+2.5MgO+17S	12-6-22+18S	25-5-10+S	18-3-18+17S+Mg+Ca	10-20-20+20S03
12-11-18+S	14-12-14+13S	18-6-14+S	15-5-10+S+Mg+Ca	5-25-0
12-8-20+17S	14-30-18+S	13-13-21+S+Mg	15-3-7+S+Mg+Ca	5-0-30
17-8-25+S+Zn+Fe	22-5-10+S	13-30-18+S+Zn	15-0-30+S+Mg+Ca	8-21-0
20-10-10+10S+B+Zn+TE	18-18-5+S	20-8-12+10S+B+Zn+TE	4-20-25+24S	10-10-10-10S

NP Formulations

20-20-0	12-6-0+18S	25-5-0+S	18-3-0+17S+Mg+Ca
17-17-0+17S	14-12-0-13S	18-6-0+S	15-30-0+S+Mg+Ca
12-12-0+17S	14-30-0-S	13-30-0+S+Zn	17-8-0+S+Zn+Fe
12-11-0+S	22-5-0+S	16-8-0+S+Ca	6-20-0+15S
20-10-0+10S	24-24-0+S	6-24-0+12S	

PK Formulations

0-15-15+15S	0-17-17+17S	0-16-16+TE	0-12-17+17S
0-11-18+S	0-8-20-17S	0-20-30+15S	0-24-24+12S
0-6-22+18S	0-12-14+13S	0-30-18+S	0-8-8+S+Mg+Ca
0-13-21+S+Mg	0-24-12+S	0-8-24-S+Ca	0-15-30+S+Mg+Ca
0-8-25+S+Zn+Fe	0-30-18+S+Zn	0-3-7-S+Mg+Ca	0-5-10+S+Mg+Ca

KEYSOL
Excellence Granular

NP-PK-NPK GRANULAR FERTILIZERS

www.keysolagro.com

Excellent Granular NPK 17-17-17+17S is a general-purpose good all-around fertilizer for most applications with its balanced NPK content. This rich compound basically enhances green foliage, encourages robust roots, as well as protects against pests, diseases, drought, and freezing temperatures.

SOP-based Excellent Granular NPK 17-17-17+17S is essential for high-yielding and high-quality crops and demonstrates excellent pre-plant results. Homogeneous composition in each granule ensures uniform plant nutrition.

Guaranteed Content (w/w)

Nitrogen (N)	17%
Phosphorus Pentoxide (P2O5)	17%
Potassium Oxide (K2O)	17%
Sulfur (SO3)	17%

Sulfate Based

Application & Dosages

Tomato, Pepper, Cucumber, Eggplant, Potato, Onion, Cabbage, Carrot, Zucchini, Vineyards, Peach, Cherry, Plum, Apricot, etc.	15 - 20 kg / daa
Wheat, Barley, Oats, Rye, Corn, Apple, Pear, Quince, etc.	20 - 25 kg / daa
Tobacco, Sugar Beet, Cotton, Forage crops, Canola, Sunflower, etc.	10 - 15 kg / daa



- Available in 25 & 50 kg bags and Big Bags. ▪
- Available in desired color, form, and formulation ▪

17-8-25+S+Zn+Fe

KEYSOL Excellence Granular

Excellence Granular NPK 17-8-25+7S+Zn+Fe is a high potassium compound fertilizer enriched with sulfur, zinc, and iron. This formulation is most adequate for the growth period and beginning of the fruit setting stage in order to obtain enhanced flowering and fruit setting, and a thicker mesocarp. And it is especially effective in encouraging large, well-formed fruit on vining crops like tomatoes, squash, and melons. This formulation contributes to your plants' resistance to disease and extreme heat and drought by helping them to conserve moisture.

Guaranteed Content (w/w)

Nitrogen (N)	17%
Phosphorus Pentoxide (P2O5)	8%
Potassium Oxide (K2O)	25%
Sulfur (S)	7%
Zinc (Zn)	0.2%
Iron (Fe)	0.2%

Sulfate Based

Application & Dosages

Crop Types

Tomato, Pepper, Cucumber, Eggplant, Potato, Onion, Cabbage, Carrot, Zucchini, Vineyards, Peach, Cherry, Plum, Apricot, etc.	15 - 20 kg / daa
Wheat, Barley, Oats, Rye, Corn, Apple, Pear, Quince, etc.	20 - 25 kg / daa
Tobacco, Sugar Beet, Cotton, Forage crops, Pastures, Canola, Sunflower, etc.	10 - 15 kg / daa

Application Rates



20-10-10+10S+B+Zn

SPECIAL FORMULA FOR OLIVE FARMING

KEYSOL Excellence Granular

Excellence Granular NPK 20-10-10+10S+B+Zn provides your plants with effective, fast, and rich nutrition.

The combination of water-soluble ortho- and polyphosphates and ammonium citrate soluble di-calcium phosphate supplies greater and longer-lasting availability of phosphorus to your crops. Your crops uptake Excellence Granular NPK 20-10-10+10S+B+Zn at optimum level thanks to the sulfur in its content. In addition, the sulfur in it plays a crucial role in regulating the pH of the soil. This chlorine-free formulation is a perfect solution for correcting and preventing boron and zinc deficiencies. It is highly recommended for growing leafy vegetables and other crops that need nitrogen throughout their lives but especially early on in their growth from planting until flowering.

Guaranteed Content (w/w)

Nitrogen (N)	20%
Phosphorus Pentoxide (P2O5)	10%
Potassium Oxide (K2O)	10%
Sulfur Trioxide (SO3)	10%
Boron (B)	0.02%
Zinc (Zn)	0.02%
Iron (Fe)	0.06%

Application & Dosages

Crop Types

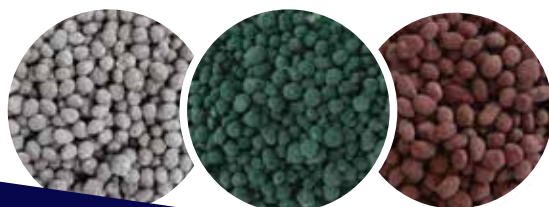
Tomato, Pepper, Cucumber, Eggplant, Potato, Onion, Cabbage, Carrot, Zucchini, Vineyards, Peach, Cherry, Plum, Apricot, etc.	15 - 20 kg / daa
Wheat, Barley, Oats, Rye, Corn, Apple, Pear, Quince, etc.	20 - 25 kg / daa
Tobacco, Sugar Beet, Cotton, Forage crops, Pastures, Canola, Sunflower, etc.	10 - 15 kg / daa

Application Rates



KEYSOL Excellence Granular

NP-PK-NPK GRANULAR FERTILIZERS



GENERATION ALPHA

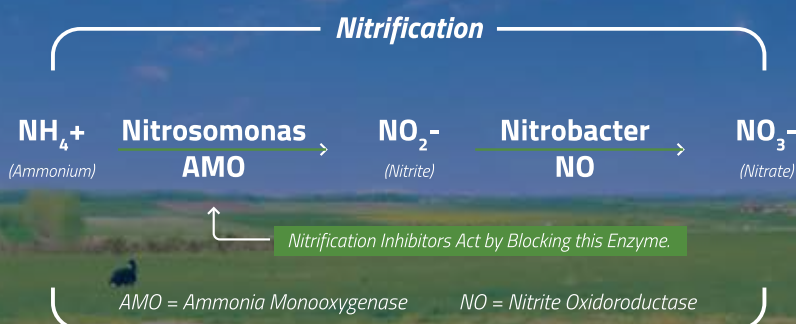
DMPP / DCD GRANULAR FERTILIZERS

GENERATION ALPHA DMPP / DCD Granular Fertilizers are designed to improve fertilizer efficiency, and reduce leaching and runoff, which results in an eco-responsible choice to ensure your plants' consistent health. Moreover, one of the most prominent benefits of this product line is their safeness with lower burn potential.

GENERATION ALPHA DMPP / DCD Granular Fertilizers minimize nitrogen losses by delaying the conversion of ammonium nitrogen (NH_4^+) to nitrate nitrogen (NO_3^-) for 6 – 10 weeks depending on your soil temperature (longer effect at cooler soil temperatures). Thereby, while reducing your agricultural input costs you protect your environment, all at the same time.

Our GENERATION ALPHA DMPP / DCD Granular Fertilizers have been engineered in various formulations that satisfy growers' specific expectations.

- Ammonia rapidly converts to ammonium when it combines with water in the soil. ■
- Ammonium is held by the soil, compared to nitrate which moves freely with soil water. ■
- In saturated soils nitrate can also denitrify (converted to nitrogen gas and lost from the soil). ■
- Nitrosomonas and Nitrobacter bacteria convert ammonium to nitrate. ■



Nitrification inhibitors slow the conversion of ammonium to nitrate by inhibiting AMO enzyme, which is found within the Nitrosomonas bacteria.

Nitrification inhibitors reduce leaching and denitrification loss potential.

Formulations

12-32-0+15S03	12-12-17+17S	14-12-14+13S	18-6-14+S	15-5-30+S+Mg+Ca
20-10-10+10S03	12-8-20+17S	14-30-18+S	13-13-21+S+Mg	17-8-0+S+Zn+Fe
12-12-17+2MgO+15S03	12-6-22+18S	12-11-18+S	13-30-18+S+Zn	12-32-0+15S
13-16-8+2MgO+15S03	27-6-6+5S	25-5-10+S	16-8-24+S+Ca	13-16-8+15S
21-0-0	20-10-10+8S	13-13-20+S	24-24+12+S	18-3-18+S+Mg+Ca

KEYSOL
GENERATION ALPHA

DMPP / DCD GRANULAR FERTILIZERS

www.keysolagro.com

ALPHA 12-12-17+2MgO+15S03

KEYSOL GENERATION ALPHA DMPP / DCD GRANULAR FERTILIZERS

ALPHA 12-12-17+2MgO+15S03 as a high K slow-release fertilizer provides not only a starter effect by meeting the immediate needs of your plants but also keeps nurturing them throughout the vegetation stage.

The role of magnesium in this formulation is to assist with the photosynthesis process by boosting the chlorophyll.

With Nitrogen, phosphate, potash, sulfur, and magnesium in every granule this product gives the maximum return on investment by supplying your crops with all the nutrients they require.

This special product has been engineered to increase your plants' longevity.

Guaranteed Content (w/w)

Total Nitrogen (N)	12%
Dicyandiamide (DCD)	0.40%
Water-Soluble Phosphorus Pentoxide (P2O5)	12%
Water-Soluble Potassium Oxide (K2O)	17%
Total Magnesium Oxide (MgO)	2%
Total Sulfur Trioxide (S03)	15%



Application & Dosages

Crop Types

Pome & Stone Fruit Trees (depending on age)	1-4 kg/tree
Greenhouse Vegetables & Vineyards	60-80
Field Vegetables, Leafy Winter Vegetables, Watermelon, Melon, Carrot, Radish, and Strawberry	40-50
Industrial Crops	50-60
Grains & Pastures	30-40
Potato	100-120
Banana	120-150
Hazelnut	1 - 4 kg/pot

Application Rates (kg/daa)



**KEYSOL
GENERATION ALPHA**

DMPP / DCD GRANULAR FERTILIZERS

ALPHA 20-10-10+10S03

KEYSQL GENERATION ALPHA DMPP / DCD GRANULAR FERTILIZERS

Guaranteed Content (w/w)

Total Nitrogen (N)	20%
Dicyandiamide (DCD)	0.48%
Neutral Ammonium Citrate and	10%
Water-Soluble Phosphorus Pentoxide (P2O5)	10%
Water-Soluble Potassium Oxide (K2O)	10%
Water-Soluble Sulfur Trioxide (So3)	10%

Application Rate

Recommended application rate for DMPP / DCD GRANULAR FERTILIZERS is 4 - 50 kg / daa



KEYSQL GENERATION ALPHA DMPP / DCD GRANULAR FERTILIZERS



- Available in 25 & 50 kg bags and Big Bags.
- Available in desired formulation, form, and color.

**KEYSQL
GENERATION ALPHA**
DMPP / DCD GRANULAR FERTILIZERS

ALPHA 12-32-0+15S03

KEYSOL GENERATION ALPHA DMPP / DCD GRANULAR FERTILIZERS

ALPHA 13-16-8+2Mg0+15S03



ALPHA 12-32-0+15S03

Guaranteed Content (w/w)

Total Nitrogen (N)	12%
Dicyandiamide (DCD)	0.39%
Neutral Ammonium Citrate and	
Water-Soluble Phosphorus Pentoxide (P2O5)	32%
Water-Soluble Phosphorus Pentoxide (P2O5)	28%
Total Sulfur Trioxide (SO3)	15%

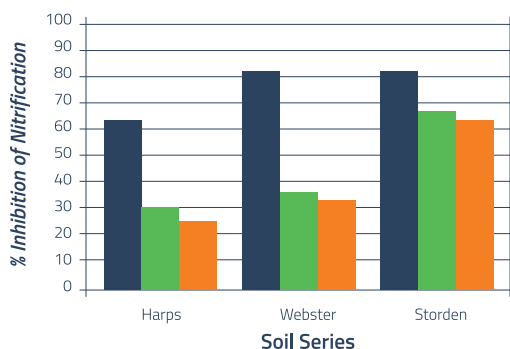
ALPHA 13-16-8+2Mg0+15S03

Guaranteed Content (w/w)

Total Nitrogen (N)	13%
Dicyandiamide (DCD)	0.42%
Neutral Ammonium Citrate and	
Water-Soluble Phosphorus Pentoxide (P2O5)	16%
Water-Soluble Phosphorus Pentoxide (P2O5)	14%
Water Soluble Potassium Oxide (K2O)	8%
Total Magnesium Oxide (MgO)	2%
Total Sulfur Trioxide (SO3)	15%

NPK WITH DICYANDIAMIDE INHIBITOR (DCD)

21 Days Incubation (68 °F / 20 °C)

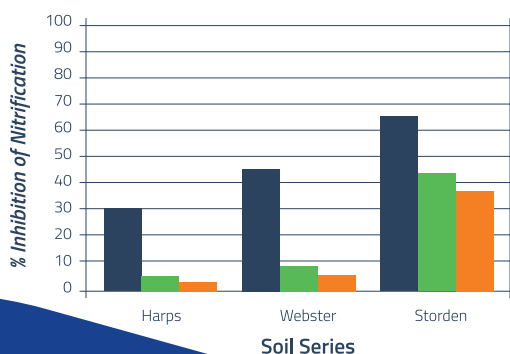


DCD Concentration Found in:

- KEYSOL GENERATION ALPHA Granular Fertilizers
- 4 qts (28% DCD)
- 2 qts (28% DCD)

The DCD concentration in KEYSOL GENERATION ALPHA DMPP / DCD Granular Fertilizers provided twice as much protection against nitrification as 2 qt/ton of a 28% concentration product when averaged across the three soils tested.

42 Days Incubation (68 °F / 20 °C)



DCD Concentration Found in:

- KEYSOL GENERATION ALPHA Granular Fertilizers
- 4 qts (28% DCD)
- 2 qts (28% DCD)

The DCD concentration in KEYSOL GENERATION ALPHA Granular Fertilizers provided more than three times the protection against nitrification compared to a 2 qt/ton 28% concentration product after 42 days when averaged across the soils.



ALPHA 12-8-16+2MgO+10S03

Guaranteed Content (w/w)

Total Nitrogen (N)	12%
Ammonium Inhibitor (DMPP)	0,6%
Neutral Ammonium Citrate and Water-Soluble Phosphorus Pentoxide (P2O5)	8%
Water-Soluble Potassium Oxide (K2O)	16%
Water-Soluble Magnesium Oxide (MgO)	2%
Water-Soluble Sulfur Trioxide (SO3)	10%



ALPHA 14-7-17+2MgO+10S03

Guaranteed Content (w/w)

Total Nitrogen (N)	14%
Ammonium Inhibitor (DMPP)	0,6%
Neutral Ammonium Citrate and Water-Soluble Phosphorus Pentoxide (P2O5)	7%
Water-Soluble Potassium Oxide (K2O)	17%
Water-Soluble Magnesium Oxide (MgO)	2%
Water-Soluble Sulfur Trioxide (SO3)	10%



ALPHA 21-5-10+2MgO+10S03

Guaranteed Content (w/w)

Total Nitrogen (N)	21%
Ammonium Inhibitor (DMPP)	0,7%
Neutral Ammonium Citrate and Water-Soluble Phosphorus Pentoxide (P2O5)	5%
Water-Soluble Potassium Oxide (K2O)	10%
Water-Soluble Magnesium Oxide (MgO)	2%
Water-Soluble Sulfur Trioxide (SO3)	10%



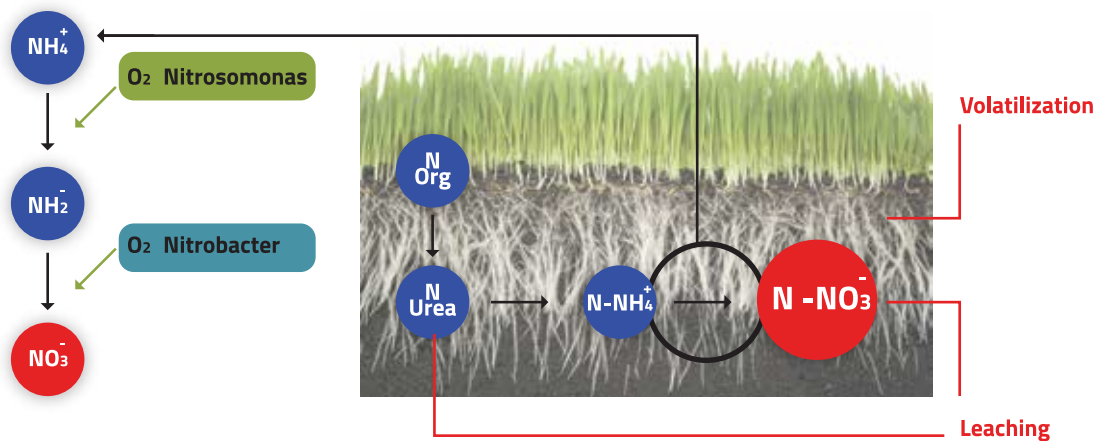
ALPHA 24-10-0+2MgO+10S03

Guaranteed Content (w/w)

Total Nitrogen (N)	24%
Ammonium Inhibitor (DMPP)	0,7%
Water-Soluble Phosphorus Pentoxide (P2O5)	10%
Water-Soluble Potassium Oxide (K2O)	2%
Water-Soluble Magnesium Oxide (MgO)	10%
Water-Soluble Sulfur Trioxide (SO3)	10%

KEYSQL GENERATION ALPHA Granular Fertilizers are derived from natural inputs. Release rate depends on the soil moisture and temperature.

Lower N losses from leaching and volatilization. Reduced number of applications required. Improved yield and quality due to extended N supply and increased ammonium nutrition. Positive pH effect in the root zone (acidification of the rhizosphere gives superior P and micronutrient availability). Crops develop and ripen more evenly due to a stabilised N supply. Can help to reduce free nitrate levels in fresh mass.



KEYSQL GENERATION ALPHA Granular Fertilizers delay the first step of nitrification (Oxidation of ammonium (NH₄⁺) to nitrate (NO₃⁻)).
 KEYSQL GENERATION ALPHA Granular Fertilizers leads to a more efficient NH₄⁺-based N-nutrition.
 Environmental benefits: lower emission of greenhouse gases and reduction of nitrogen leaching.



INHIBITOR UREA 46

Guaranteed Content (w/w)

Urea Nitrogen (N)	46%
N-(n-butyl) thiophosphorictriamide (NBPT)	0.06%

Application Rates

Crop Types	Doses kg/daa
Wheat, Barley, Cotton, and Canola	15 – 20 kg/daa
Corn & Potatoes	40 – 50 kg/daa
Sugar Beet	20 – 25 kg/daa



Inhibitor Urea 46 is designed to inhibit the activity of “urease,” a key enzyme in the metabolic pathway of soil bacteria. When urea granules are deposited on the soil surface, they must be dissolved by water to be absorbed into the soil. If bacteria on the soil surface reach urea before it absorbs into the soil, the bacteria convert urea into ammonia gas which immediately volatilizes into the atmosphere. Inhibitor Urea 46 containing NBPT prevents this process from taking place and enables its uptake as an intact molecule by the plant roots.

Inhibitor Urea 46 maximizes the efficiency of urea by impeding ammonia volatilization, nitrate leaching, and the rapid hydrolysis of urea.



SCU - SULFUR COATED UREA

Guaranteed Content (w/w)

Nitrogen (N)	40%
Sulfur (S)	13%

Application Rates

Crop Types	Doses kg/daa
Farm Crops	20 – 40 kg / daa
Trees	1 – 2 kg / tree
Grains & Corn	30 – 50 kg / daa
Lawn & Pastures	20 – 40 kg / daa

Keysol SCU is engineered to provide a slow, even distribution of nitrogen with extra longevity up to 12 weeks. Its release rate and longevity are controlled by coating thickness and soil temperature.

Its 13% Sulfur content brings a deep green color to your plants. Besides, Keysol SCU can easily be mixed with other nutrients without any damage.



The excessive Nitrogen (N) inputs are likely to lead to N losses via nitrate (NO₃ -N) leaching, ammonia (NH₃) volatilization and nitrous oxide (N₂O) emissions, which pose a major threat to environmental quality worldwide.

As a solution to this, DCD AS21 inhibits the activity of the Nitrosomonas bacteria, allowing for the stabilization of ammonium-N in the root zone, improving plants' access to available nitrogen over the growing season. As a result, the addition of DCD has the potential to increase your crop yields and quality as well as mitigates the negative effect of N on environment by reducing nitrogen loss through nitrification.

Guaranteed Content (w/w)

Ammonium Nitrogen (N)	21%
Dicyandiamide (DCD)	0.51%

Application & Dosages

Crop Types

Field Crops, Leafy Winter Vegetables, Grains, Cereals, Fruit Trees, Citrus, Banana, Olives, Figs, and Nuts	15 – 20 kg/daa
------------------------------------------------------------------------------------------------------------------------	----------------

Greenhouse Vegetables, Melon, Watermelon, Pumpkin, and Industrial Crops	20 - 25 kg/daa
-------------------------------------------------------------------------------	----------------



SUPPORTING FEEDERS OF THE GLOBE!



KEYSOL MAGIC MICROELEMENT GRANULE LINE

Plant growth is improved when the supply of the scarcest nutrient is increased.

Magic Microelement GR Series help provide the most essential micronutrients to promote vigorous and superior plant growth. This line ensures optimal particle dispersion for optimal coverage. All-in-one granules are designed to be blended with other fertilizers as well, making them easy to use and apply.

Prominent benefits of Magic Microelement Granule Line

- Ideal microelement combination
- Perfect solutions for all crop needs
- Long-lasting effect
- Easy to apply
- Uniform in appearance and efficiency
- Special designed bead size ensures even distribution of nutrients
- Excellent root stimulators
- Maximizes crop healthy, quality, and yield

Application Rates

Magic Microelement Granule Line can be directly applied to soil or bulk blended with another fertilizer depending on your crops' needs. As a rule of thumb, the recommended application rate is 5 – 10% of the other nutrient. Apply by broadcasting them either by hand or with a spreader over the root area every 3 – 4 months.

Crop Type	Soil Application
Young tree	100 - 200 gr / tree
3 - 7 years old tree	500 gr / tree



KEYSOL MAGIC CROP

Guaranteed Content (w/w)

Sulfur (SO ₃)	13 %
Magnesium (MgO)	14 %
Calcium (CaO)	10 %
Boron (B)	0.1 %
Copper (Cu)	0.8 %
Iron (Fe)	12.5 %
Manganese (Mn)	1.5 %
Zinc (ZnO)	1.10 %
EDTA Chelate	



KEYSOL MAGIC MAX

Guaranteed Content (w/w)

Sulfur Trioxide (SO ₃)	10 %
Magnesium Oxide (MgO)	15 %
Calcium Oxide (CaO)	11 %
Boron (B)	0.5 %
Copper (Cu)	0.15 %
Iron (Fe)	1.5 %
Manganese (Mn)	1 %
Zinc Oxide (ZnO)	1.5 %
EDTA & Citric Acid	



KEYSOL MAGIC PRO

Guaranteed Content (w/w)

Calcium Oxide (CaO)	7%
Magnesium Oxide (MgO)	5%
Zinc Oxide (ZnO)	1.5%
Manganese (Mn)	0.75%
Copper (Cu)	0.15%
Iron (Fe)	1%
Boron (B)	0.5%
EDTA & Citric Acid	



KEYSOL MAGIC ZINC 35

Guaranteed Content (w/w)

Sulfur Trioxide (SO ₃)	15 %
Zinc Oxide (ZnO)	35 %
EDTA Chelate	



KEYSOL MAGIC LAND

Guaranteed Content (w/w)

Sulfur Trioxide (SO ₃)	15 %
Magnesium Oxide (MgO)	20 %
Boron (B)	0.5 %
Copper (Cu)	0.25 %
Iron (Fe)	4 %
Manganese (Mn)	2 %
Zinc Oxide (ZnO)	5 %
EDTA Chelate	

KEYSOL MAGIC ROOT

Magic Root provides an integrated plant nutrition that leads to a green cover and root fortification.

Prominent benefits of Magic Root

- ♦ Optimizes multiple enzymatic processes to maximize photosynthesis.
- ♦ Maximizes rooting by the crop.
- ♦ Ensures proper cell wall and membrane formation in roots and leaves.
- ♦ Compliments macronutrient feed to keep the balance.
- ♦ Improves abiotic stress tolerance.
- ♦ Takes a role in maintaining optimum plant health to help the young plants ward off invasion by pathogens and insects.
- ♦ Can be consolidated to a soil macronutrient program.

Guaranteed Content (w/w)

Sulfur Trioxide (So ₃)	14%
Boron (B)	1.2%
Calcium Oxide (CaO)	0.5%
Copper (Cu)	1.2%
Manganese (Mn)	6%
Iron (Fe)	15%
Zinc Oxide (ZnO)	8%
EDTA Chelate	



GENERATION ALPHA

ORGANOMINERAL SLOW RELEASE FERTILIZERS

Generation Alpha Organominerals enrich the soil structure with their chemical and physical features. The organic matter in their content improves your soil. These subsurface fertilizers should be worked or watered into the top 3 to 5 inches of soil with hoe or spade work after being applied to help the fertilizer leach down toward your plants' root zones.

Prominent features of new generation Generation Alpha Organominerals

- ◆ More stable, balanced, and uniform product with predictable nutrient availability and nutrient release over a period of time.
- ◆ Regular use provides accelerated reproduction of soil fertility, increasing the content of humus.
- ◆ Protect your plants from soil and climate stress thanks to the humic and fulvic acids in their content.
- ◆ Help you save time, labor, inputs, and increase the harvests in the unit area. Their high nutrient concentration lowers the required application rates. Moreover, reduces water consumption. One unit volume of our granules will provide the moisture content in the soil, which by volume is 30 times more.
- ◆ Increase the development of roots and other organs. The crops treated by the products in this line give the highest values of leaf area, cob weight, and grain yield.
- ◆ Facilitate and increase the intake of macro and micronutrients and ensure their transportation to your plant in proper amounts and in a balanced manner.
- ◆ There is no threat of excessive accumulation of nitrates in crops and products.



Available in 25 & 50 kg bags and Big Bags

Guaranteed Content (w/w)

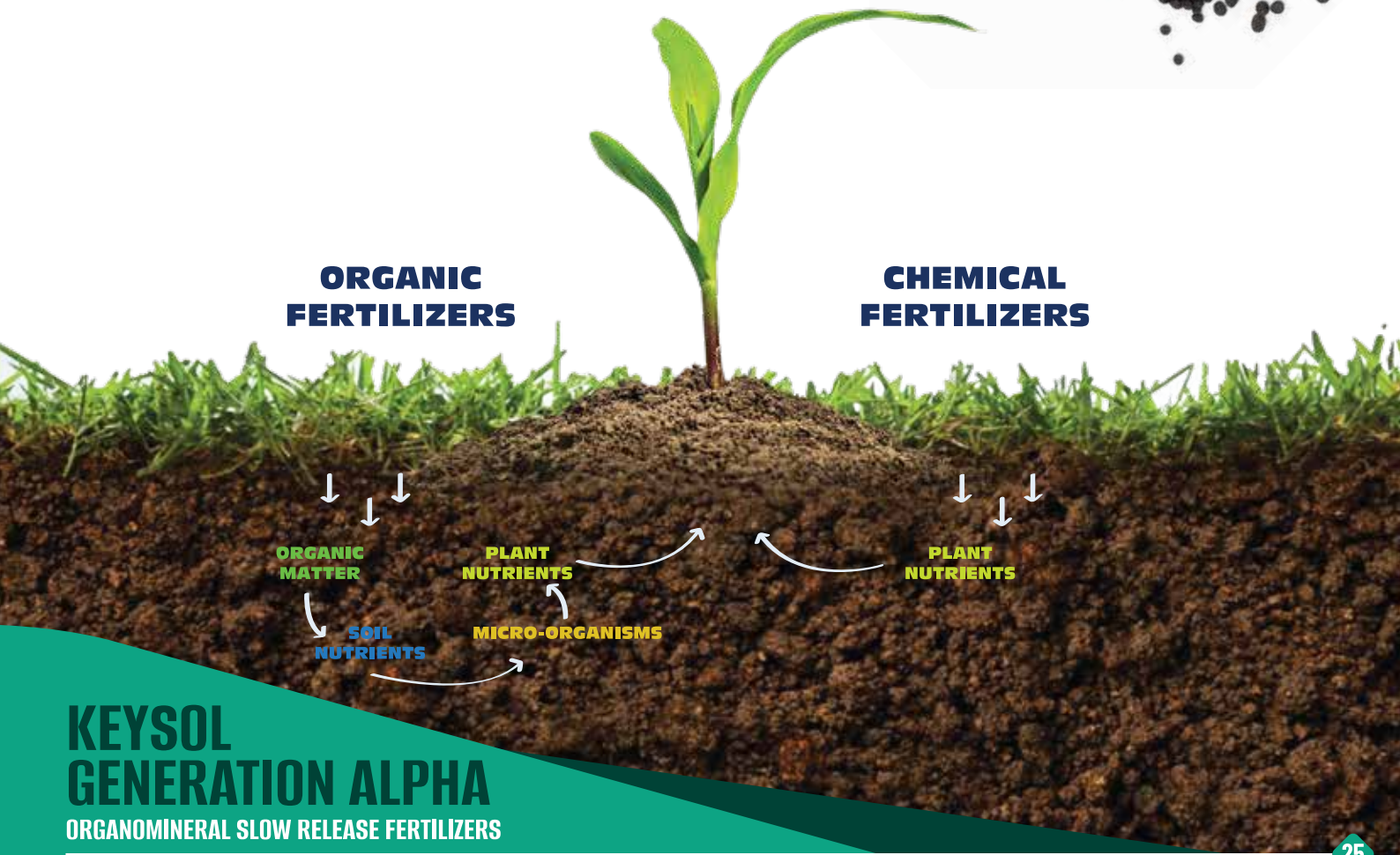
Organic Matter	15%
Total Nitrogen (N)	10%
Total Phosphorus Pentoxide (P2O5)	25%
Total Sulfur Trioxide (SO3)	15%
Water-Soluble Sulfur Trioxide (SO3)	0.1%
Total Zinc (Zn)	0.1%
Total Humic & Fulvic Acid	6%
pH	5-7



Application Rate

Crop Types

Crop Types	Soil application at presowing phase
Pome & Stone Fruit Trees (depending on age)	1 - 4 kg/tree
Greenhouse Vegetables & Vineyards	60 - 80 kg/daa
Open Field Vegetables, Leafy Vegetables, Watermelon, Melon, Carrot, Radish, Strawberry, and Tea	40 - 50 kg/daa
Industrial Plants	50 - 60 kg/daa
Grains & Pastures	30 - 40 kg/daa
Potato	100 - 120 kg/daa
Banana	120 - 150 kg/daa
Hazelnut	1 - 4 kg/plot



HUMIC BOMB 10-10-10+25 OM+15 H&F

KEYSOL GENERATION ALPHA DMPP / DCD GRANULAR FERTILIZERS

Each granule of HUMIC BOMB, containing a uniformly balanced NPK enriched with organic matter, chelated humic and fulvic acids, and copper has been engineered to achieve a complete plant nutrition.

Tomato yield is greater when HUMIC BOMB is used compared to conventional chemical fertilizers or manure used alone. Okra showed great N, K, and Fe uptake, and protein content. Similar results have been reported for cabbage, cucumber, lettuce, and potatoes. Wheat, rice, and corn also benefit significantly as much as a 57% increase in yield. All in all, 2HUMIC BOMB applications make your plants much healthier and increase height and stalk diameter.

Guaranteed Content (w/w)

Total Nitrogen (N)	10%
Total Phosphorus (P2O5)	10%
Potassium (K2O)	10%
Organic Matter (Om)	25%
Total Humic & Fulvic Acid	15%
Copper (Cu)	0.01%
Humic Acid Chelated	
pH	5-7

Application Rates

Crop Types	kg / daa
Cotton	50 - 66
Corn	77 - 115
Sunflower	35 - 50
Potato	95 - 125
Sugar beet	60 - 80
Peanut	50 - 60
Soybean	75 - 90



HUMIC BOMB N20

KEYSOL GENERATION ALPHA ORGANOMINERAL FERTILIZERS

2P Carbon N20 fulfills your crop's season-long demand for nitrogen and sulfur, alongside the accurate, even spread of nutrient that is achieved at the point of application. This formulation combines nitrogen and sulfur in order to enhance nitrogen use efficiency which means you get more yield for your money with less wastage. Crops will respond to the timely application of 2P Carbon N20 with both increased yields and improved quality. Growers also contribute to reducing their carbon footprint significantly by using 2P Carbon N20.

Guaranteed Content (w/w)

Organic Matter	20%
Total Nitrogen (N)	20%
Urea Nitrogen (N)	20%
Total Sulfur Trioxide (SO3)	15%
Water-Soluble Sulfur Trioxide (SO3)	0.1%
Total Humic & Fulvic Acid	10%
Max Chlorine (Cl)	0.5%
Max Humidity	20%
pH	6 - 8

Application Rates

Crop Types	Soil Application at Presowing Phase (kg/daa)
Wheat, Barley, Sunflower, Soybean, Peanut	30 - 40
Corn, Cotton, Open Field Vegetables	40 - 60
Greenhouse Vegetables	50-70
Pome & Stone Fruit Trees (depending on age)	1 - 4 kg/tree
Strawberry (during the season)	50 - 60
Carrot, Radish, Onion, and Artichoke	20 - 40
Potato	40-50



ORGANOMINERAL SLOW RELEASE FERTILIZERS

KEYSOL HUMIC BOMB 5-0-20



Guaranteed Content (w/w)

Organic Matter	15%
Total Nitrogen (N)	5%
Water-Soluble Potassium Oxide (K2O)	20%
Total Humic & Fulvic Acid	5%
pH	5.5 - 7.5

KEYSOL HUMIC BOMB 8-21-0+15S



Guaranteed Content (w/w)

Organic Matter	15%
Total Nitrogen (N)	8%
Total Phosphorus Pentoxide (P2O5)	21%
Total Sulfur Trioxide (So3)	15%
Total Zinc (Zn)	0.1%
Total Humic & Fulvic Acid	5%
pH	5.5 - 7.5

KEYSOL HUMIC BOMB 11-11-11+11S



Guaranteed Content (w/w)

Organic Matter	15%
Total Nitrogen (N)	11%
Total Phosphorus Pentoxide(P2O5)	11%
Water-Soluble Potassium Oxide (K2O)	11%
Total Sulfur Trioxide (SO3)	11%
Total Zinc (Zn)	0.1%
Total Humic & Fulvic Acid	8%
pH	5.5 - 7.5

KEYSOL HUMIC BOMB 10-15-10+15S



Guaranteed Content (w/w)

Organic Matter	15%
Total Nitrogen (N)	10%
Total Phosphorus Pentoxide(P2O5)	15%
Water-Soluble Potassium Oxide (K2O)	10%
Total Sulfur Trioxide (SO3)	15%
Water-Soluble Boron (B)	0.02%
Total Iron (Fe)	0.5%
Total Zinc (Zn)	0.02%
Total Humic & Fulvic Acid	10%
pH	6-8

KEYSOL HUMIC BOMB 12-22-0+15S



Guaranteed Content (w/w)

Organic Matter	15%
Total Nitrogen (N)	12%
Total Phosphorus Pentoxide(P2O5)	22%
Total Sulfur Trioxide (SO3)	15%
Total Zinc (Zn)	0.2%
Total Humic & Fulvic Acid	6%
pH	5.5 - 7.5

KEYSOL HUMIC BOMB COMBI



Guaranteed Content (w/w)

Organic Matter	15%
Total Magnesium Oxide (MgO)	5%
Water-Soluble Boron (B)	1%
Total Iron (Fe)	4%
Total Zinc (Zn)	5%
Total Humic & Fulvic Acid	10%
pH	6-8

KEYSOL HUMIC BOMB N30



Guaranteed Content (w/w)

Organic Matter	20%
Total Nitrogen (N)	30%
Total Humic & Fulvic Acid	10%
pH	6.5 - 8.5

KEYSOL HUMIC BOMB 15-15-15



Guaranteed Content (w/w)

Organic Matter	15%
Total Nitrogen (N)	15%
Total Phosphorus Pentoxide(P2O5)	15%
Water-Soluble Potassium Oxide (K2O)	15%
Total Humic & Fulvic Acid	10%
pH	6-8

Helps soil clumping and reduces the risk of erosion.

Helps plant growth by increasing the water retention and aeration properties of the soil.

Makes the soil more easily cultivable and facilitates the penetration of plant roots in the soil.

Reduces the negative environmental impact of pesticides, heavy metals and many pollutants in the soil.

Serves as a carbon and energy source for soil microorganisms.

Excellent Effect of Organic Carbon on Plant Growth



BioPollina & Pollina are environmentally friendly organic fertilizers. In addition to minerals and organic matter, BioPollina & Pollina also contain a large number of trace elements (Fe, Mn, B, Mo, Zn, and Cu) to ensure long-term soil fertility. BioPollina & Pollina pellets slowly release providing the plant with a gradual nutrient supply thanks to its high organic content of minerals. Besides, this product makes the soil more easily cultivable and facilitates the penetration of plant roots in the soil.

- ◆ Depending on your crops' specific needs you can either choose 4-4-4+45 OM or 5-2-3+45 OM.
- ◆ Available in liquid, gel, powder, pellet, and granular forms.
- ◆ Improve the soil quality continuously and promotes humus formation.
- ◆ Ameliorate the microbiological activity, structure, ventilation, and water balance of the soil.
- ◆ Support the growth of plant roots by increasing the capacity of the plant to absorb nutrients.
- ◆ Reinforce the immune system against diseases.
- ◆ Help soil clumping and reduces the risk of erosion.
- ◆ Reduce the negative environmental impact of pesticides, heavy metals, and many pollutants in the soil.
- ◆ Maximize yield and crop quality.

BIO POLLINA 5-2-3+45 OM

Guaranteed Content (w/w)

Total Nitrogen (N)	5%
Phosphorus Pentaoxide (P2O5)	2%
Potassium Oxide (K2O)	3%
Organic Matter	45%
Magnesium (MgO)	0.5%
Calcium (Ca)	4%
Manganese (Mn)	150 mg/kg
Iron (Fe)	200 mg/kg
Zinc (ZnO)	50 mg/kg



POLLINA 4-4-4+45 OM

Guaranteed Content (w/w)

Total Nitrogen (N)	4%
Phosphorus Pentaoxide (P2O5)	4%
Potassium Oxide (K2O)	4%
Organic Matter	45%
Magnesium (MgO)	0.5%
Calcium (Ca)	4%
Manganese (Mn)	150 mg/kg
Iron (Fe)	200 mg/kg
Zinc (ZnO)	50 mg/kg



KEYSOL VIVAX SC GEL FERTILIZERS

Vivax SC Macroelements are particularly engineered to offer concentrated, economic, effective & efficient, premium gel fertilizers to meet your plants' macro and micronutrients needs in a perfect way.

Our Vivax SC Macroelements line encompasses high-end, concentrated, homogeneous suspension (gel) fertilizers formulated free of chlorine, sodium, and heavy metals. This line contains high sulfur for low soil pH and chelated micro elements, which help maximum nutrient efficiency and availability to your plants. This line offers you a vast range of formulations that you may need for each stage to obtain optimum results.

Vivax SC line offers concentrated thixotropic liquids, which means they remain gelled when static and fully flowable when pumped, ensuring the high concentration of plant nutrients remains completely homogeneous. Fertilizers in this line are suited to application through all fertigation systems – drip systems, low throw sprinklers, center pivots, and spray units.

Vivax SC suspensions do not separate or settle during transport and application, and remain fully uniform from our factory to the last drop applied in your field. Besides all these, you are free to customize your product in terms of density, color, formulation, and packaging attributes.



Available in 1-5-10-20 L containers and IBC.

**KEYSOL
VIVAX SC**
GEL FERTILIZERS

Vivax SC Bio Potash is a chloride and hydroxide-free and highly concentrated gel formulation that is particularly engineered to prevent soil salinity.

Prominent benefits of Vivax SC Bio Potash:

Its form and non-ionic character render it compatible with most phytosanitary treatments, increasing their effectiveness in mixed applications.

Suitable for foliar application and fertigation. Easy to apply through broadcast, top-dress, and side-dress applicators.

Low risk of crop injury compared to other potassium fertilizers.

Provides early maturation while enhancing fruit quality in terms of taste, aroma, color, nutrient value, and yield.

Guaranteed Content (w/w)

Water-Soluble Potassium Oxide (K2O)	28%
Water-Soluble Sulfur Tri Oxide (So3)	42%



Application Rates

Crop Types

Vegetables, Fruits, Cut Flowers,
Ornamental Plants, Vineyards,
Industrial Plants, etc.

Soil Application

400 - 600 cc/daa

Foliar Application

200 - 400 cc / 100 Lwater



KEYSOL
VIVAX SC 0-30-40

Guaranteed Content (w/v)

Potassium Oxide (K2O)	30%
Phosphorus Pentoxide (P2O5)	40%
Boron (B)	0.1%
Copper (Cu)	0.1%
Iron (Fe)	0.2%
Manganese (Mn)	0.1%
Zinc (Zn)	0.2%
EDTA CHELATE	
Organic Matter + Vitamins	
Amino Acid + Enzymes	

Special PK formulas for superior yields & improved quality.

KEYSOL
VIVAX SC 0-45-55

Guaranteed Content (w/v)

Potassium Oxide (K2O)	45%
Phosphorus Pentoxide (P2O5)	55%
Boron (B)	0.1%
Copper (Cu)	0.1%
Iron (Fe)	0.2%
Manganese (Mn)	0.1%
Zinc (Zn)	0.2%
EDTA CHELATE	
Organic Matter + Vitamins	
Amino Acid + Enzymes	

KEYSOL
VIVAX SC 0-15-55

Guaranteed Content (w/v)

Potassium Oxide (K2O)	15%
Phosphorus Pentoxide (P2O5)	55%
Boron (B)	0.1%
Copper (Cu)	0.1%
Iron (Fe)	0.2%
Manganese (Mn)	0.1%
Zinc (Zn)	0.2%
EDTA CHELATE	
Organic Matter + Vitamins	
Amino Acid + Enzymes	

Special high potassium PK formula for superior yields & improved quality.

KEYSOL
VIVAX SC 12-61-12

Guaranteed Content (w/v)

Total Nitrogen (N)	12%
Phosphorus (P2O5)	61%
Potassium (K2O)	12%
Boron (B)	0.1%
Copper (Cu)	0.1%
Iron (Fe)	0.2%
Manganese (Mn)	0.1%
Zinc (Zn)	0.2%
EDTA CHELATE	
Organic Matter + Vitamins	
Amino Acid + Enzymes	

Special balanced high P formula for growth & development.

KEYSOL
VIVAX SC 10-50-10+0.5MgO+TE



Guaranteed Content (w/v)

Total Nitrogen (N)	10%
Phosphorus Pentoxide (P2O5)	50%
Potassium Oxide (K2O)	10%
Magnesium Oxide (MgO)	0.5%
Boron (B)	0,1%
Copper (Cu)	0,1%
Iron (Fe)	0,2%
Manganese (Mn)	0,1%
Zinc Oxide (ZnO)	0,2%
EDTA CHELATE	
Organic Matter + Vitamins + Amino Acids+ Enzymes	

High phosphorus formula for root growth and to hasten maturity.

KEYSOL
VIVAX SC 40-10-10+0.5MgO+TE



Guaranteed Content (w/v)

Total Nitrogen (N)	40%
Phosphorus Pentoxide (P2O5)	10%
Potassium Oxide(K2O)	10%
Magnesium Oxide(MgO)	0.5%
Boron (B)	0,1%
Copper (Cu)	0,1%
Iron (Fe)	0,2%
Manganese (Mn)	0,1%
Zinc Oxide(ZnO)	0,2%
EDTA CHELATE	
Organic Matter + Vitamins + Amino Acids + Enzymes	

High nitrogen formula for vegetative development.

KEYSOL
VIVAX SC MAP 12-61-0+TE



Guaranteed Content (w/v)

Total Nitrogen (N)	12%
Phosphorus Pentoxide (P2O5)	61%
Boron (B)	0,1%
Copper (Cu)	0,1%
Iron (Fe)	0,2%
Manganese (Mn)	0,1%
Zinc (Zn)	0,2%
EDTA CHELATE	
Organic Matter + Vitamins	
Amino Acids + Enzymes	

Monoammonium phosphate for healthy, sustained growth.

KEYSOL
VIVAX SC 15-25-0+0.5MgO+TE



Guaranteed Content (w/v)

Total Nitrogen (N)	15%
Phosphorus Pentoxide (P2O5)	25%
Magnesium Oxide (MgO)	0.5%
Boron (B)	0,1%
Copper (Cu)	0,1%
Iron (Fe)	0,2%
Manganese (Mn)	0,1%
Zinc Oxide (ZnO)	0,2%
EDTA CHELATE	
Organic Matter + Vitamins + Amino Acids + Enzymes	

Ideal NP formula where no potassium is required.

KEYSOL
VIVAX SC 27-27-27+0.5MgO+TE



Guaranteed Content (w/v)

Total Nitrogen (N)	27%
Phosphorus Pentoxide (P2O5)	27%
Potassium Oxide (K2O)	27%
Magnesium Oxide (MgO)	0.5%
Boron (B)	0,1%
Copper (Cu)	0,1%
Iron (Fe)	0,2%
Manganese (Mn)	0,1%
Zinc Oxide (ZnO)	0,2%
EDTA CHELATE	
Organic Matter + Vitamins + Amino Acids + Enzymes	

Multipurpose balanced formula for general growth.

KEYSOL
VIVAX SC 0-40-60+TE



Guaranteed Content (w/v)

Phosphorus Pentoxide (P2O5)	40%
Potassium Oxide(K2O)	60%
Sulfur (S)	5%
Boron (B)	0,1%
Copper (Cu)	0,1%
Iron (Fe)	0,2%
Manganese (Mn)	0,1%
Zinc Oxide (Zn)	0,2%
EDTA CHELATE	
Organic Matter + Vitamins + Amino Acids + Enzymes	

Special high potassium PK formula for superior yields & improved quality.

VIVAX SC 9-6-46+0.5MgO+TE

GEL FERTILIZERS

Vivax SC 9-6-46+0.5MgO+TE makes more macro and micronutrients readily available to your plants over a longer time period, allowing your plants to continually draw potassium as they bud, bloom, and produce fruit and seeds.

This unique formula provides increased utilization at lower concentrations, providing the same or better results than standard potassium fertilizers while using less.

Prominent benefits of Expert SC 9-6-46+0.5MgO+TE:

- ◆ Improves sugar content of your fruits, promotes nutrient movement through your plant.
- ◆ Reduces water use.
- ◆ Enhances resistance to weather extremes.
- ◆ Does not contain chlorides or hydroxides, so it preserves soil health long-term.
- ◆ It is suited to all fertigation applications (i.e. foliar, side- or top-dress.)

Guaranteed Content (w/v)

Total Nitrogen (N)	9%
Phosphorus Pentoxide (P2O5)	6%
Potassium Oxide (K2O)	46%
Magnesium Oxide (MgO)	0,5%
Boron (B)	0,1%
Copper (Cu)	0,1%
Iron (Fe)	0,2%
Manganese (Mn)	0,1%
Zinc Oxide (ZnO)	0,2
Organic Matter + Vitamins + Amino Acids + Enzymes	

Application & Dosages

Crop Types

Application Rate kg/daa

1 application at 10 – 15 days interval

Vegetables & Fruit Trees	1 - 2
Corn, Cereals, Tobacco, Vetch, Clover, and Cut Flowers	1 - 1.5
Potato	2 - 3



**KEYSOL
VIVAX SC**
GEL FERTILIZERS

Vivax SC BioMicro is engineered to boost plant growth on soils rich in phosphate and to prevent particularly magnesium deficiencies. Its multi-micro-nutrient content works great also for preventing and correcting various deficiencies. The presence of sulfur trioxide promotes an immediate nutrient uptake and has a stabilizing effect on plant health.

Moreover, Vivax SC BioMicro provides excellent crop safety and it is compatible with the most commonly used pesticides.

Guaranteed Content (w/v)

Magnesium Oxide (MgO)	3%
Sulfur Trioxide (SO ₃)	5%
Copper (Cu)	1%
Iron (Fe)	2%
Manganese (Mn)	2%
Zinc Oxide (ZnO)	2%
Organic Matter	30%
Amino Acids and Vitamins	



Application & Dosages

Crop Types	When to Apply?	Application Rate
Cereals	4 times between tillering and ear emergence	3 - 5 L / ha
Sugar Beets	3 times between tillering and ear emergence	5 L / ha
Potatoes	First application: 14 days before flowering. Second application: At the beginning of flowering. Third application: 14 days after flowering.	4 - 5 L / ha
Hops	In each peronospora spray time.	0.15%
Vineyards	First application: At the onset of the peronospora sprays. 5 times at 10-14 days interval with pesticide sprays.	5 L / ha
Apples	In addition to each pesticide spray between pink bud stage and petal fall.	3 - 5 L / ha
Strawberries	3 applications before flowering.	0.3% - 0.5 %



High calcium and nitrate nitrogen components of Vivax SC CalciNit act as an immediate remedy for certain plant deficiencies and diseases. This product is highly recommended to growers whose goal is to obtain larger fruits that do not split.

Prominent benefits of Vivax SC CalciNit:

- ◆ Prevents calcium deficiency or replenishes your plant's calcium levels.
- ◆ Helps improve leaf strength, fruit, and root growth.
- ◆ Ensures strong cell walls.
- ◆ Contains zinc that is essential in the formation of auxins, which help with growth regulation and stem elongation.
- ◆ Contributes to the synthesis of lignin, which adds strength and stiffness to cell walls.

Guaranteed Content (w/v)

Nitrate Nitrogen (NO ₃ -N)	7%
Calcium (Ca)	15%
Zinc Oxide (ZnO)	2%
Manganese (Mn)	1%



Application & Dosages

Crop Types	When to Apply?	Application Rate
Apples	Regularly from early fruitlet stage (I) onwards until shortly before harvest with a minimum of 6 applications.	3 - 6 L / ha
Pears	Regularly from early fruitlet stage (I) onwards until shortly before harvest with a minimum of 4 applications.	3 - 6 L / ha
Strawberries	In conjunction with the last 2 – 3 fungicide sprays before harvest with a minimum of 4 applications.	5 L / ha
Tomatoes, Peppers etc.	Repeated applications at 7 – 10 day intervals starting approx. 10 days after fruit set.	3 - 6 L / ha
Cucumber, Melons etc.	Start applications early after fruit set and repeat at fortnight intervals until approx. one week before harvest.	0.3 – 0.5 %
Bananas	At initial fruit filling stage, repeat after 3 weeks.	3 - 6 L / ha
Pineapples	In case of blackheart disorder: Spray on one month old fruit at two week intervals.	5 L / ha



Vivax SC Zinc 70% contains 70% of Zinc which is an important component of various enzymes that are responsible for driving many metabolic reactions in all crops. Growth and development would stop if specific enzymes were not present in plant tissue. Carbohydrate, protein and chlorophyll formation is significantly reduced in zinc-deficient plants.

Prominent benefits of Vivax SC Zinc 70% include:

- ◆ Provides immediate zinc nutrition. It's in a form that plants can use.
- ◆ Ensures a constant and continuous supply of zinc which is needed for optimum growth and maximum yield.
- ◆ Helps plant tissue withstand cold temperatures.
- ◆ Essential in the formation of auxins, which help with growth regulation and stem elongation.

Vivax SC Zinc 70% is a highly recommended product in fertilizer programs, especially for the production of corn, sweet corn, and edible beans and in the condition of excessive application of phosphate fertilizers.

Guaranteed Content (w/v)

Zinc Oxide (ZnO) _____ 70%



Application & Dosages

Crop Types	How to Apply?
Apple & Pear	Apply 1 – 2 L/ha when the buds emerge and at the end of flowering.
Carrot	Apply 1 L/ha when the plant reaches 15 cm in height.
Cereals	Apply 1 L/ha after the emergence of 2 leaves.
Cherry & Plum	Before leaf aging, apply 1 – 2 L/ha during winter bud, pink bud and after harvest.
Conifer Trees	Apply 2 times of 1L/ha during leaf formation and in early autumn.
Leek	Apply 1 L /ha when the crop reaches 15 cm in height, 2 weeks after planting.
Sugar beet	Apply 1L/ ha in 4 – 6 leaf stage. Repeat at 10 to 14 day intervals for moderate to severe deficiency.
Potato	Apply 1L / ha a week after 100% formation. For moderate to severe deficiency, repeat at 10 to 14 day intervals.
Onion	1L / ha when there is enough leaf area.



Supporting Feeders of the Globe!

KEYSOL ELIXIR

SPECIAL LIQUID FERTILIZERS

Keysol Elixir Special Liquid Fertilizers ensure fast nutrient uptake and enhance your plant's resistance to diseases. The benefits of each product make this category a smart choice for growers.

Keysol Elixir Liquid Fertilizers will support you in achieving your goals predominantly through:

- ◆ increasing crop yields and profits,
- ◆ improving crop quality,
- ◆ reducing fertilizer nitrogen inputs,
- ◆ hastening germination and maturity, and
- ◆ improving soil structure and infiltration.

SOL CALIBOR

Boron is a critical stabilizing agent in plant tissues and must be kept in a consistent ratio with calcium to ensure optimal plant health, especially throughout the growing season. Sol Calibor complexed with ligninpolycarboxylic acid—LPCA and amino acids facilitate the calcium uptake of the plants. This unique product corrects calcium deficiency through its foliar application.

Some major benefits of Sol Calibor:

- ◆ Adds compressive strength and stiffness to fruits and thereby extended shelf-life and preservation of quality during transportation.
 - ◆ A potent product particularly recommended to cotton growers for boll setting and grape growers to fortify fruits.
 - ◆ Helps nutrient uptake and regulates the precipitation of toxic residue both in the soil and within the plant.
 - ◆ An effective nutrient for healthy plant growth and development.
 - ◆ Moreover, this product is used to balance the EC value of the irrigation water which is caused by sodium salinity. It helps leach salt from the soil. The calcium in it replaces the sodium salt from the soil exchange sites and helps bring the salt into solution.
- Sol Calibor can be safely mixed with other fertilizers and pesticides.

Guaranteed Content (w/w)

Calcium Oxide (CaO)	14%
Nitrate Nitrogen (NO ₃ -N)	8%
Boron (B)	0.3%
Organic Matter + Vitamins + Amino Acids + Enzymes	

Recommended application rate is 250 - 300 cc/100 L water.

Available in 100-250-500 cc & 1-5-10-20 L containers and IBC.



Sol Potaliq stands out among many other potassium fertilizers with its numerous distinguishing features on the market.

Major benefits of Sol Potaliq :

- ◆ A unique product that is designed to prevent discoloration in fruits and vegetables. Thanks to its carboxylic acids, liquid CO₂, and uronic acid-rich content, this potassium source ensures brighter and more vivid colors and gives a natural look to your crops.
- ◆ In addition to potassium, this product also contains many organic acids such as uronic acid, aldonic acid, carboxylic acid, and carbonic acid.
- ◆ Enhances the overall quality of your crops by making them juicier and sweeter.
- ◆ Maximizes your yield and earnings in consequence of its improving effect on the dry matter percentage, fruit weight, and quality.
- ◆ Reinforces your plants' resistance to adverse conditions such as diseases, pests, and climatic extremes.
- ◆ Ensures highly satisfying results for all plant types.

Guaranteed Content (w/w)

Nitrogen (N)	4%
Potassium Oxide (K ₂ O)	30%
EDTA Chelate	
Organic Matter + Vitamins + Amino Acids + Enzymes	



Application & Dosages

Crop Types	When to Apply?	Soil Application	Foliar Application
Vegetables, Fruits, Industrial Crops, Cut Flowers & Ornamental Plants	Apply at each time of watering when the plant reaches 10 cm in height until the end of the harvest.	400 – 200 cc/daa	200 – 400 cc/100 L water
Vineyards, Citrus, Banana, Olives, Kiwi, Avocado, Fig, etc.	In early spring when the fruits reach nut size and in fall.	400 – 200 cc/daa	200 – 400 cc/100 L water
Field Crops	Apply as a mixture with herbicides.	-----	200 – 400 cc/100 L water



SOL VEGI demonstrates a positive effect on enzyme and membrane integrity along with adaptive roles in mediating osmotic adjustment in plants grown under stress conditions such as drought, salinity, extreme temperatures, UV radiation, and heavy metals.

The applications of SOL VEGI lead to significant improvement in soil quality, and increases in growth and final crop yield even under environmental stresses. The electronegativity factor of humic acids in its content is the key to developing and maintaining healthy and sustainable soil.

This unique product can be applied in any development stage of the plant.

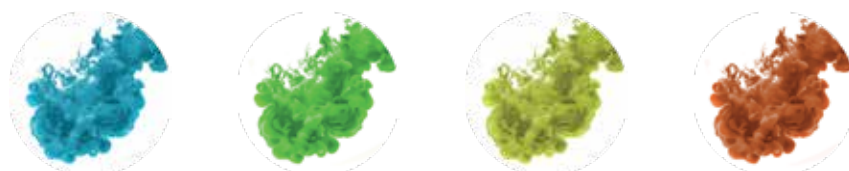
Guaranteed Content (w/w)

Free Amino Acids	15%
Total Organic Matter	50%
Total Humic & Fulvic Acid	32%
Organic Nitrogen	4%
Organic Carbon	29%
Water-Soluble Potassium Oxide (K ₂ O)	4%
Water-Soluble Calcium (Ca)	0.4%
Water-Soluble Sulfur (S)	0.8%
Water-Soluble Phosphorus Pentoxide (P ₂ O ₅)	0.1%
Water-Soluble Magnesium Oxide (MgO)	0.1%
Vitamins & Betaine	

Application Rates

Ground treatment : at a rate of 1.25%; 0,05- 0,3 L/tree.

Aerial treatment : 20 L/ha



SOL MAX YIELD

Sol Max Yield is an organomineral liquid NK biostimulant which is used to obtain lush green quality yield. Sol Max Yield boosts your plant's growth and improves the rhizosphere which nurtures diverse organisms that are useful in biogeochemical and physical processes that promote soil health and in return, support and protect your plant's growth. After Sol Max Yield applications you will notice a significant increase in biomass and leaf area. EDDHSA chelate of Sol Max Yield is extremely stable, especially in high pH cases, and protects iron molecules from oxidation. Moreover, your plant can uptake it much faster with respect to EDDHSA chelate.

Guaranteed Content (w/w)

Organic Matter	20%
Organic Carbon	13%
Total Nitrogen	3%
Organic Nitrogen	1.1%
Urea Nitrogen	1.9%
Water-Soluble Potassium Oxide	8%
EDDHSA Chelated Water-Soluble Iron	0.02%
pH	5.5 - 7.5

Application Rates

Sol Max Yield can be used for all plant types by foliar spraying at a rate of 100-200 cc/100 L water.

The recommended soil application rate is 2 - 4 L/ daa.



Sol BorMax is a concentrated ethanolamine chelated boron product, which contains 12% boron ethanolamine. Ethanolamine is a critical plant metabolite for both the synthesis of phosphatidylethanolamine (PE) and phosphatidylcholine (PC), two major phospholipids in plant membranes, and for the production of the plant-signaling lipids N-acylethanolamines that modulate plant physiological processes.

Prominent benefits of Sol BorMax:

Corrects and prevents boron deficiencies.

It is readily absorbed through plant leaves, shoots, roots, and reproductive structures.

It is essential in the development and growth of new tissue and fruit set. Thus, it provides an increase in flowering, fertility, and fruit number.

It is suitable for soil and foliar application for plants' immediate uptake.

Guaranteed Content (w/w)

Boron Ethanolamine	12%
Ethanolamine Chelate	

Application Rates	Foliar Application	Soil Application
Fruit Trees	50 – 100 cc/100 L water	650 – 950 cc/daa
Sugar Beets	200 – 250 cc/100 L water	450 – 650 cc/daa
Vineyards	100 – 200 cc/100 L water	2 – 4 L/ daa
Olives	200 – 250 cc/100 L water	450 – 650 cc/daa
Vegetables	50 – 100 cc/100 L water	950 cc/daa
Flowers	50 – 100 cc/100 L water	450 – 650 cc/daa



SOL EMERALD COMBI

Sol Emerald Combi incorporates the benefits of high-quality zinc, iron, manganese, copper, boron, and molybdenum in forms available to the plant. The combination of these essential micronutrients demonstrates great results through its variety of functions in the plant, including protein synthesis, seed and grain formation, plant maturity, growth regulation, and the formation of enzyme systems. In addition, unseen deficiencies are addressed and your plants consistently access the right rate throughout the growth cycle.

Sol Emerald Combi is uniquely designed to simplify micronutrient management, boost crop performance, and maximize farmers' fertilizer investment. It is highly recommended as a rich source of various microelements, especially for plants with zinc and iron deficiency grown in loose, organic, or acidic soils.

Guaranteed Content (w/w)

Water-Soluble Boron (B)	0.6%
Water-Soluble Copper (Cu)	1%
Water-Soluble Iron (Fe)	5%
Water-Soluble Manganese (Mn)	4%
Water-Soluble Molybdenum (Mo)	0.04%
Water-Soluble Zinc (Zn)	8%
Citric Acid Chelate	

Application

Crop Type	When to Apply?	Application Method & Rates
Greenhouse Vegetables	At the first flowering period after transplanting seedlings and after the first fruit setting	Foliar Application: 250 gr/100 L water Drip Irrigation: 600 gr/daa
Field Vegetables	At the first flowering period after transplanting seedlings and after the first fruit setting	Foliar Application: 300 gr/100 L water Drip Irrigation: 800 gr/daa
Tubers	At the first flowering period after sowing and after first fruit setting	Foliar Application: 250 gr/100 L water Drip Irrigation: 800 gr/daa
Fruit Trees	Apply : 1) At the beginning of the flowering period, 2) 15 days after fruit setting, and 3) 30 days before harvesting	Foliar Application: 300 gr/100 L water Drip Irrigation: 1000 gr/daa
Legumes	Apply: 1) After first hoeing, 2) 30 days after the first hoeing.	Foliar Application: 300 gr/100 L water Drip Irrigation: 1000 gr/daa
Industrial Crops	First application after the emergence of 3 – 5 leaves and the second application 15 days after the ear formation.	Foliar Application: 250 gr/100 L water Drip Irrigation: 800 gr/daa
Field Forage Crops	For the first application, mix it with a herbicide and execute the second application in tillering period.	250 gr/100 L water



Sol Cure is a concentrated 10% copper product, which contains salicylic acid.

SA is a defense-related plant hormone that plays a key role in resistance to different microbial pathogens, such as viruses, bacteria, fungi, and oomycetes. In addition, the exogenous SA application induces local and systemic acquired resistance in different plant species against various types of pathogens, including *Fusarium oxysporum*, *Alternaria Alternata*, *Magnaporthe Grisea*, *Colletotrichum Gloeosporides*, *Xanthomonas SPP*, different kinds of viruses, etc.

Prominent benefits of Expert SC CuMax

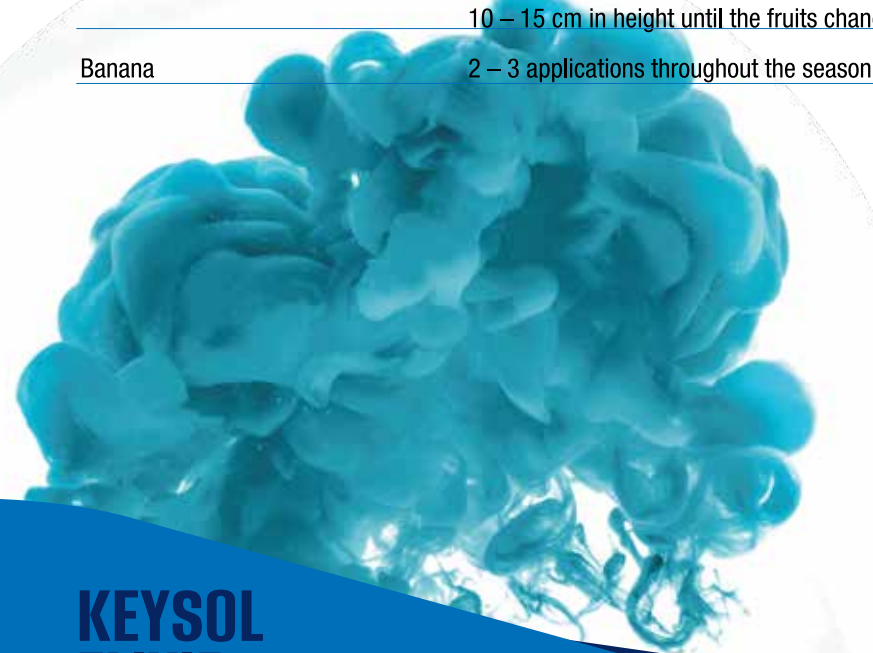
- ◆ Meets the copper need of your plant to make proteins and carbohydrates as well as lignins, which are essential to stem strength.
- ◆ Its active role in enzymatic synthesis and photosynthesis leads to obtaining disease-resistant plants.
- ◆ It can be used both as a fungicide and micronutrient. This product is also compatible with most pesticides.
- ◆ It is suitable for soil and foliar application. It is absorbed by the plants immediately right after foliar application and its effect lasts 15 – 20 days even despite rains.

Guaranteed Content (w/w)

Copper (Cu)	10%
Salicylic Acid	

Application & Dosages

Crop Types	When to Apply?	Foliar Application (Per 100 L water)	Soil Application
Field Vegetables	2 – 3 applications after transplanting seedlings.	100 – 150 cc/daa	1 L/daa
Greenhouse Vegetables	2-3 applications after transplanting seedlings.	100 – 150 cc/daa	1 L/daa
Tuberous Plants	From tuber sprouting to plant senescence.	100 – 150 cc/daa	1 L/daa
Industrial Crops	2 – 3 applications when the plant reaches 10 – 15 cm in height.	100 – 150 cc/daa	1 L/daa
Stone Fruits	2 – 3 applications throughout the season.	100 – 150 cc/daa	1 L/daa
Pome Fruits	2 – 3 applications throughout the season.	100 – 150 cc/daa	1 L/daa
Citrus	2 – 3 applications throughout the season.	100 – 150 cc/daa	1 L/daa
Strawberry	Apply on seedlings, and during harvest.	100 – 150 cc/daa	1 L/daa
Vineyards	2 – 3 applications when the shoots reach 10 – 15 cm in height until the fruits change color.	100 – 150 cc/daa	1 L/daa
Banana	2 – 3 applications throughout the season.	100 – 150 cc/daa	1 L/daa



**SOL
NITRO 30**



Guaranteed Content (w/w)

Total Formaldehyde Nitrogen (N)	30%
Urea Nitrogen (N)	30%
Bi-Urea	< % 0.05

**SOL
PHOSNIT**



Guaranteed Content (w/w)

Total Nitrogen (N)	4%
Uric Nitrogen (N)	4%
Water-Soluble Phosphorus (P2O5)	20%
Vitamins & Amino Acids	

**SOL
POTASSIUM PHOSPHITE**



Guaranteed Content (w/w)

Water-Soluble Phosphorus (P2O5)	30%
Water-Soluble Potassium (K2O)	20%

**SOL
PROHYDRO**



Guaranteed Content (w/w)

Hydrolyzed Proteins	36% (360 g/L)
---------------------	---------------

**SOL
ROOT**



Guaranteed Content (w/w)

Total Nitrogen (N)	7.5%
Phosphorus Pentoxide (P2O5)	30%
Free Amino Acids	30%
Folic Acid + 4 – CPA	

**SOL
SELENIUM**



Guaranteed Content (w/w)

Nitrogen (N)	5%
Free Amino Acids	22%
Selenium	0.5%
Organic Matter + Organic Carbon	

**SOL
WASHING**



Guaranteed Content (w/w)

Saponin	35%
Vegetable Extracts	65%

**SOL
SILICON**



Guaranteed Content (w/w)

Nitrogen (N)	3%
Organic Matter	30%
Humic & Fulvic Acids	22%
Amino Acids	2%
Silicon	1%

**SOL
CARBON**



Guaranteed Content (w/w)

Organic Matter	35%
Organic Carbon	13%
Total Nitrogen	1%
Water-Soluble Potassium (K2O)	3%
pH	4-6
Vitamins & Amino Acids	

SOL AMINO



Guaranteed Content (w/v)

Total Nitrogen (N)	5%
Phosphorus Pentoxide (P2O5)	7%
Potassium Oxide (K2O)	4%
Free Amino Acids	25%
Total Organic Matter	40%
Vitamins + Enzymes	

SOL CAOS



Guaranteed Content (w/w)

Total Nitrogen (N)	3%
Uric Nitrogen (N)	3%
Water-Soluble Potassium Oxide	20%
Uronic Acid & Amino Acids	

SOL COVERING



Guaranteed Content (w/w)

Complex Polymers	56%
------------------	-----

SOL CYTOKIN



Guaranteed Content (w/w)

Kinetin	1%
Organic Matter	30%
Amino Acids	4%
Potassium Oxide (K2O)	2%

SOL CALCI AMINO



Guaranteed Content (w/w)

Nitrogen (N)	10%
Calcium (CaO)	12%
Free Amino Acid	6%
Organic Matter + Amino Acids+ Vitamins	

SOL PROMAX



Guaranteed Content (w/w)

Organic Matter	15%
Organic Nitrogen	2.5%
Water-Soluble Potassium (K2O)	5.5%
Water-Soluble Iron (Fe)	4%
Water-Soluble Manganese (Mn)	1.5%
pH	4.91%
Organic Matter + Vitamins	
Amino Acids + Enzymes	

SOL FLORA



Guaranteed Content (w/w)

Total Nitrogen (N)	3%
Phosphorus Pentoxide (P2O5)	25%
Zinc Oxide (ZnO)	5%
Naphthaleneacetic acid (NAA)	
Naphthoxyacetic Acid (BNOA)	
Vitamin B12 Complex	

SOL FOSFOZINC



Guaranteed Content (w/w)

Nitrogen (N)	5%
Phosphorus Pentoxide (P2O5)	25%
Boron (B)	0.5%
Zinc (ZnO)	7%

SOL NITRO



Guaranteed Content (w/w)

Total Nitrogen (N)	22%
Urea Formaldehyde (UF)	18%
Urea Nitrogen (N)	4%
Potassium Oxide (K2O)	16%

**SOL
FERMAX**



Guaranteed Content (w/w)

Iron (Fe)	9%
Amino Acids + Vitamins + Phenol	

**SOL
FERZINC**



Guaranteed Content (w/w)

Iron (Fe)	3%
Zinc (Zn)	2%
Amino Acids + Vitamins	

**SOL
MNMAX**



Guaranteed Content (w/w)

Manganese (Mn)	6%
Amino Acids + Vitamins	

**SOL
ZNMAX**



Guaranteed Content (w/w)

Zinc Oxide (ZnO)	7%
Amino Acid + Vitamins	10%
Polycarboxylic Acid	2%

**SOL
MOB L**



Guaranteed Content (w/w)

Phosphorus Pentoxide (P2O5)	4%
Potassium Oxide (K2O)	4%
Boron (B)	4%
Molybdenum (Mo)	6%

**SOL
CURE**



Guaranteed Content (w/w)

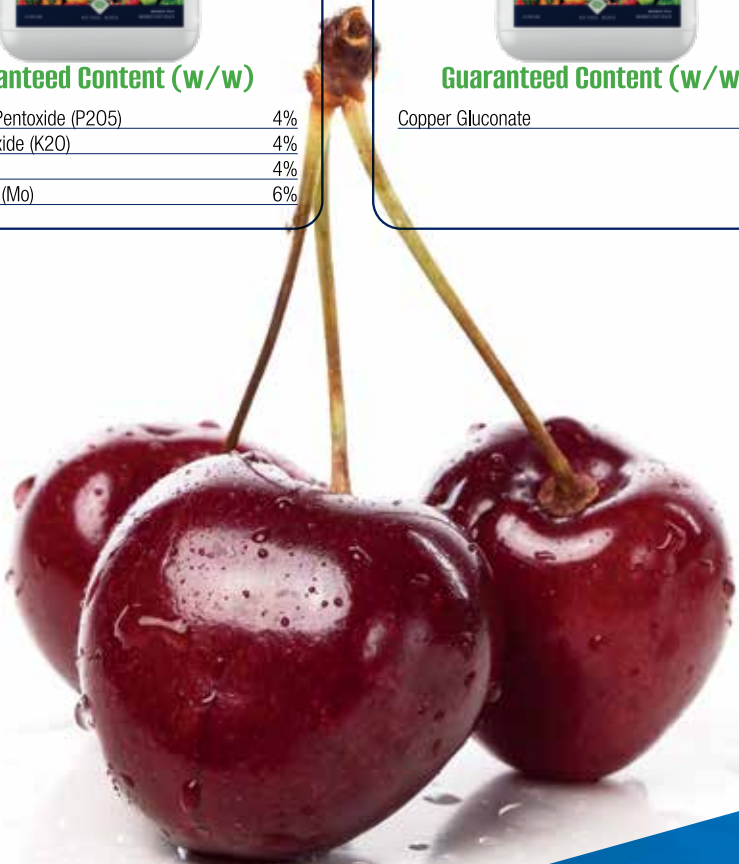
Copper Gluconate	6%
------------------	----

**SOL
PHOSPHORUS CU**



Guaranteed Content (w/w)

Water-Soluble Phosphorus (P2O5)	20%
Copper	6%
Salicylic Acid & Hydrogen Peroxide	



**SOL
NANO CU**



Guaranteed Content (w/w)

Copper (Cu)	8%
Phosphorus Pentoxide (P2O5)	20%

**SOL
NANO FER PHOSPHITE**



Guaranteed Content (w/w)

Iron (Fe)	12%
Phosphorus Pentoxide (P2O5)	20%

**SOL
NANO ZN PHOSPHITE**



Guaranteed Content (w/w)

Zinc (Zn)	15%
Phosphorus Pentoxide (P2O5)	20%

**SOL
NANO MN PHOSPHITE**



Guaranteed Content (w/w)

Manganese (Mn)	11%
Phosphorus Pentoxide (P2O5)	20%

**SOL
NANO CAL PHOSPHITE**



Guaranteed Content (w/w)

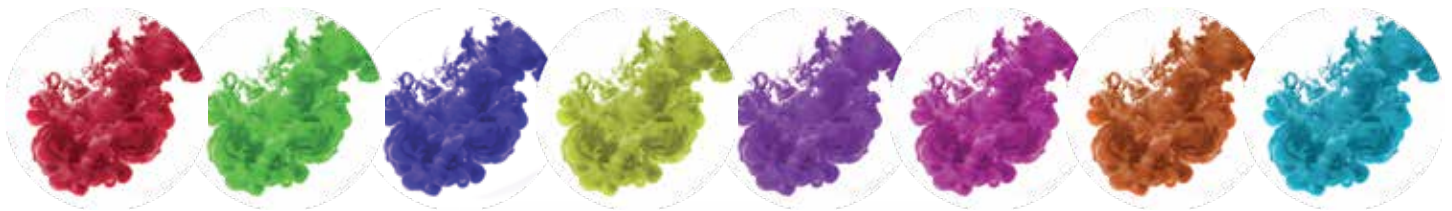
Calcium Oxide (CaO)	14%
Phosphorus Pentoxide (P2O5)	20%

**SOL
PHOSPHO FLORA**



Guaranteed Content (w/w)

Zinc (Zn)	4%
Manganese (Mn)	3%
Molybdenum (Mo)	1.5%
Boron (B)	0.5%
Phosphorus Pentoxide (P2O5)	18%



KEYSOL NANO ELIXIR

SPECIAL LIQUID FERTILIZERS

Our Keysol Nano Specific Liquid Fertilizers line is a new concept for plant developers

Products in this line are obtained by controlled bacterial fermentation complexed with specific amino acids with fulvic acids which is a mixture of microelements, microbial and organic substances. They also contain vitamins, enzymes, auxins, anti-oxidants that increase the amount of anti-oxidants in plants and fruits. This line contributes to increase the fruit volume, color and Brix index of the fruits in different phenological stages with the polysaccharides it contains.

Macronutrients and micronutrients such as Fe, Zn, and betaines, proteins, enzymes, auxins and vitamins are added to enrich this category. The polysaccharides in them increase mycorrhizal fungi in the soil and provide mycorrhization.

SOL NANO AMINO 45

Sol Nano Amino 45 improves the beneficial microflora in various ways such as by strengthening the outer walls, allowing them to withstand harsher conditions. Stronger microbial colonies help produce better nutrient uptake, as well as a more extensive and healthy root system that can fight diseases and maintain effectiveness in adverse environmental conditions.

In a nutshell Sol Nano Amino 45:

Has both a preventative and recovering effect against stress factors such as high temperatures, low humidity, frosts, pest attacks, hail storms or floods.

Helps increase chlorophyll concentration in the plant, leading to a higher degree of photosynthesis, which in turn leads to even more available energy.

Maintains the moisture balance within the plant, but maybe most importantly, it also helps with the facilitation of gasses like carbondioxide, which is required for extreme continuous growth.

Increases pollen germination and the length of the pollinic tube, which improves fruit set, strengthens cell walls, for longer shelf life.

Helps improve the ripening stage of fruits, benefiting flavor and terpene production

Application

Crop Types	When to Apply?	Soil Application L/daa	Foliar Application per 100 L Water
Greenhouse Vegetables	Apply every other week from planting to the end of harvest.	3 - 5 Lt / Da	250- 300 cc
Field Vegetables	Apply 2 - 3 times at 15 - 20 day intervals from planting to the end of harvest.	2 - 4 Lt / Da	200- 300 cc
Leafy Winter Vegetables	Apply 2 - 3 times at 20 - 30 day intervals from planting to the end of harvest.	2 - 4 Lt / Da	200- 300 cc
Melon, Watermelon, and Pumpkin	Apply 2 - 3 times at 20-30 day intervals starting by spring.	3 - 5 Lt / Da	200- 300 cc
Nursery & Ornamental Plants	Apply 2 - 3 times at 15 - 20 day intervals from planting to the end of harvest.	3 - 5 Lt / Da	200- 300 cc
All Fruit Trees	Three applications are recommended: 1) Just before the emergence of buds and blossoms. 2) During fruit formation. 3) Until the end of harvest.	4,5 - 5 L/daa or 75 - 100 cc/tree	200- 300 cc
Industrial Plants	After the plants reach 10-15 cm in height, apply in 2 - 3 repetitions with an interval of 20 days.	2 - 3 Lt / Da	200- 300 cc
Barley, Wheat, Chickpea, Lentil, etc.	Apply in 2 - 3 repetitions at 20 day intervals after the plants reach 10 - 15 cm in height.	----	200- 300 cc

Guaranteed Content (w/w)

Nitrogen (N)	5 %
Organic Nitrogen (N)	3 %
Organic Matter	58 %
Organic Carbon	20 %
Humic & Fulvic Acid	24 %
Free Amino Acids	45 %
pH	6.5 - 7



KEYSOL
NANO ELIXIR
SPECIAL LIQUID FERTILIZERS

Available in 100-250-500 cc & 1-5-10-20 L containers and IBC.

NANO BLOOM POWER

KEYSOL NANO ELIXIR SPECIAL LIQUID FERTILIZERS

Nano Bloom Power stimulates ATP energy transfer, inheritance transfer (nucleic acids), photosynthesis, and carbohydrate degradation which are crucial for flowering, fruit set, early maturity, fruit growth and seed ripening.

Nano Bloom Power with its high content of organic matter and phosphorus promotes your plant to bloom. It does not react with the cations in the soil thanks to the phosphorus uptake. It is a strong stimulant that can be used in all plants during the flowering period. It is suitable for both drip irrigation and foliar applications.

Guaranteed Content (w/w)

Total Nitrogen (N)	5 %
Organic Nitrogen (N)	2 %
Phosphorus Pentoxide (P2O5)	15 %
Organic Matter	15 %
Free Amino Acids	10 %
Naphthaleneacetic acid (NAA)	
Naphthoxyacetic Acid (BNOA)	
Vitamin B12 Complex	

Application

Crop Types

Market Garden,
Fruits, and Ornamental Trees

Foliar Application

100 – 150 cc/100 L water

Soil Application

5 – 7.5 L/ha



NANO ROOT BOOSTER

Nano Root Booster plays an active role in the transport of macro and microelements when combined with low-dose foliar fertilizers. This product increases the formation of callus base and repairs the wounded tissues swiftly.

Prominent benefits of Nano Root Booster

- ◆ Enhances rooting rate, root quality, and root length.
- ◆ Delays the destruction of chlorophyll to keep the green parts of the plant green for a long time.
- ◆ Reduces peak dominance, increases lateral branching and the number of branches.
- ◆ Increases the amount of tillering in wheat, cotton, and eggplant and promotes the formation of side branches.
- ◆ Stimulates the thickening of the root diameter.

Guaranteed Content (w/w)

Total Nitrogen (N)	7 %
Organic Nitrogen (N)	1.6 %
Calcium Oxide (CaO)	5.0 %
Organic Matter	25 %
Fulvic Acid	15 %
Free Amino Acids	10 %
Naphthaleneacetic acid (NAA)	
Naphthoxyacetic Acid (BNOA) - Vitamin B12 Complex	

Foliar Application : Fruit trees: 200-300 cc/100 L water

Horticulture : 100-200 cc/100 L water

Soil Application : 2 - 4 times at a rate of 7 - 10 L/ha per season.



Sol Nano Amino has a rich content of nitrogen, potassium, organic carbon, organic matter, and free amino acids.

Some benefits of this unique product:

- ◆ Contributes to protein synthesis, growth, and development, nutrition, and stress responses.
- ◆ Helps to maintain soil health, raising fertility, reducing erosion, and encouraging soil biota.
- ◆ Contributes to the development of the darker friable topsoil that retains moisture and cycles nutrients for plant growth.
- ◆ Nitrogen in its content fuels green, leafy growth, which in turn supplies your plants with the nutrients they need to produce perfect fruits.
- ◆ Maximizes biological soil activity. Its potassium content reduces crop stress caused by drought, low light, extreme light intensity, cold temperatures, and excessive heat.

Guaranteed Content (w/w)

Organic Matter	50 %
Polysaccharides (Glutamic Acid)	12 %
Free Amino Acids	15 %
pH	4-6
Vitamin B1-B6-B12 Complex	

Application Rates

Foliar application	150 -200 cc/100L water
Soil application	2- 4 L/daa



SOL NANO CARBON

Sol Nano Carbon contributes to nutrient retention and turnover, soil structure, moisture retention and availability, degradation of pollutants, and carbon sequestration. This unique product has also a remarkable impact on plant defense against various pathogens. Abscisic acid in its content is a sesquiterpene, which has important roles in seed development and maturation, in the synthesis of proteins and compatible osmolytes, which enable your plants to tolerate stresses due to environmental or biotic factors, and as a general inhibitor of growth and metabolic activities.

Guaranteed Content (w/w)

Organic Nitrogen (N)	2%
Total Nitrogen (N)	7%
Fulvic Acid	15%
Organic Matter	35%
Organic Carbon	35%
Free Amino Acids	20%
Abscisic Acid and Vitamin Complex	

Application

Depending on the culture and the soil properties:

Crop Types	Application Rates
Fruit trees	200 – 300cc / 100 L water
Horticultural Crops	100 – 200cc / 100 L water
In injection	7 – 10 L/ha



SOL NANO ACTIVE



Guaranteed Content (w/w)

Organic Nitrogen (N)	1.6%
Total Nitrogen (N)	8%
Phosphorus Pentoxide (P2O5)	4%
Potassium Oxide (K2O)	8%
Organic Matter	15%
Organic Carbon (C)	25%
Free Amino Acids	4%

SOL NANO PLUS



Guaranteed Content (w/w)

Organic Nitrogen (N)	2%
Total Nitrogen (N)	7%
Phosphorus Pentoxide (P2O5)	4%
Potassium Oxide (K2O)	7%
Organic Matter	35%
Organic Carbon (C)	20%
Naphthaleneacetic acid (NAA)	

SOL NANO AQUA



Guaranteed Content (w/w)

Organic Nitrogen	2%
Oligosaccharides	25%
Free Amino Acids	10%
Organic Nitrogen	25%
Fulvic Acid	15%
B1-B6-B12 Vitamin Complex	

SOL NANO BIO



Guaranteed Content (w/w)

Organic Nitrogen (N)	2.5%
Potassium Oxide (K2O)	2.5%
Organic Matter	32%
Humic & Fulvic Acids	19%
Free Amino Acids	10%
pH	5.5 - 6.0

SOL NANO FITO



Guaranteed Content (w/w)

Total Nitrogen (N)	7%
Organic Nitrogen (N)	1.6%
Potassium Oxide (K2O)	15%
Organic Matter	35%
Free Amino Acids	10%
Uronic Acid	

SOL NANO GIBB



Guaranteed Content (w/w)

Total Nitrogen (N)	3%
Organic Nitrogen (N)	1.1%
Total Organic Matter	15%
Free Amino Acids	5.0%
Gibberellin	0.9%

SOL NANO ALGA



Guaranteed Content (w/w)

Total Nitrogen (N)	1.2%
Potassium Oxide (K2O)	3%
Organic Matter	30%
Free Amino Acids	6%
Alginate Acid	0.3%

KEYSOL HUMIC & FULVIC LIQUID SERIES

Once connected to our KEYSOL Humic & Fulvic Liquid Fertilizers' molecules, nutrients are carried into your plant in available forms that help intensify the plant's metabolism and stimulate the soil's natural activities.

KEYSOL Humic & Fulvic Liquid Fertilizers improve the efficiency in which plants utilize nutrients from the soil. In return, this enables a reduction in the amount of fertilizer historically required to maintain optimal plant growth.

Obviously, this provides enormous economic and ecological value to you wishing to reduce your fertilizer input costs and/or reduce the potential side-effects of heavy chemical fertilizers usage.

SOL PURE 55

Sol Pure 55 is a concentrated, organic, liquid plant feed preparation that has been synthesized from various plants by means of advanced technology. This unique product contains a high amount of vitamins, organic nitrogen, humic & fulvic acids, free amino acids, and organic matter.

Sol Pure 55 breaks down plant nutrients that are bound to the soil by the enzymes in its content. Besides all these, it provides the maximum level of proteins that is essentially crucial for the developmental periods of your plants.

Application

Crop Types	When to Apply?	Foliar Application	Soil Application
Greenhouse Vegetables	From planting to the harvest.	250 – 300 cc/daa	3-5 L / daa
Field Vegetables	2-3 repetitions with 15 – 20 day intervals from planting to the end of the harvest.	250 – 300 cc/daa	2-4 L / daa
Leafy Winter Vegetables	2-3 repetitions with 15 – 20 day intervals from planting to the end of the harvest.	250 – 300 cc/daa	3-5 L / daa
Melon, Pumpkin, Watermelon, etc.	2-3 repetitions every 20 – 30 days starting by spring.	250 – 300 cc/daa	2-4 L / daa
Nursery & Ornamental Plants	2-3 repetitions with 15 – 20 day intervals from planting to the end of the harvest.	250 – 300 cc/daa	2-4 L / daa
Fruit Trees	Application periods: 1) Before the emergence of buds and blossoms, 2) During fruit formation, and 3) Until the end of the harvest.	250 – 300 cc/daa	4-5 L / daa
Industrial Crops	Apply in 2 – 3 repetitions with an interval of 20 days when the plants reach 10 – 15 cm in height.	250 – 300 cc/daa	2-3 L / daa
Field Crops	Apply in 2 – 3 repetitions with an interval of 20 days when the plants reach 10 – 15 cm in height.	250 – 300 cc/daa	---

Guaranteed Content (w/w)

Potassium Oxide (K ₂ O)	4%
Organic Matter	55%
Organic Nitrogen (N)	2,5%
Humic & Fulvic Acid	30%
Free Amino Acid	11%
pH	6-8
Vitamin Complex B1-B6-B12	



Fulvavita is a miracle product, benefitting agricultural production while increasing food nutrient density.

Prominent benefits of Fulvavita :

- ◆ Full of essential soil nutrients, making soils fertile while improving plant growth and crop yields.
- ◆ As a growth regulator, increases root and shoot length and branching.
- ◆ Improves plant roots and leaves permeability so that essential elements can be easily absorbed and moved into your plant's vascular system.
- ◆ Buffers pH, helps with drought tolerance by holding and conserving water, and reduces fungal plant diseases.
- ◆ Makes soils more friable, breaking up hard pans and compacted soil while improving soil drainage.
- ◆ Detoxifies soil from harsh chemicals and toxic elements.
- ◆ Speeds up plant metabolism by producing essential proteins and enzymes, leading to

Guaranteed Content (w/w)

Potassium Oxide (K ₂ O)	4%
Organic Matter	40%
Organic Carbon (C)	17%
Humic & Fulvic Acid	27%
pH	5.5 - 6.0
Amino Acids	
Vitamins	



Application

Crop Types	Application Method & Time	Foliar Application	Soil Application
Fruit Trees	2 – 3 applications throughout the season.	150 – 200 cc/daa	3 – 5 L/daa
Nursery & Ornamental Plants	3 – 4 applications throughout the season.	150 – 200 cc/daa	2 – 4 L/daa
Industrial Crops	3 – 4 applications throughout the season.	150 – 200 cc/daa	3 – 5 L/daa
Olives	During flowering period.	150 – 200 cc/daa	2 – 4 L/daa
Tropical Trees and Bananas	During flowering period.	150 – 200 cc/daa	2 – 4 L/daa
Vegetables	3 – 4 applications throughout the season.	150 – 200 cc/daa	4 – 5 L/daa
General Cultivation	3 – 4 applications throughout the season.	150 – 200 cc/daa	4 – 5 L/daa



Ecohumic NPK is an excellent liquid balanced macronutrients source that simultaneously functions as a plant growth regulator. This unique product increases nutrient efficiency by increasing plant nutrient uptake.

Ecohumic NPK is an indispensable product particularly for optimum seed germination and growth.

Prominent benefits of Ecohumic NPK

- ◆ Fulvic acid in its content acts as a chelator, which ties up short-term many important elements including nitrogen, phosphorus, potassium plus calcium, and magnesium. These elements plus carbon, oxygen, and hydrogen make up 98% of the essential plant elements needed for plant growth. Fulvic acid also chelates the other elements needed for improved biological activity.
- ◆ Enhances cell division and elongation and in addition increases the permeability of plant cells that augments nutrient uptake by up to 40%.
- ◆ Buffers negative effects of heavy metals, and toxic chemicals to lessen their stress eff
- ◆ Helps neutralize the problems associated with pH extremes.

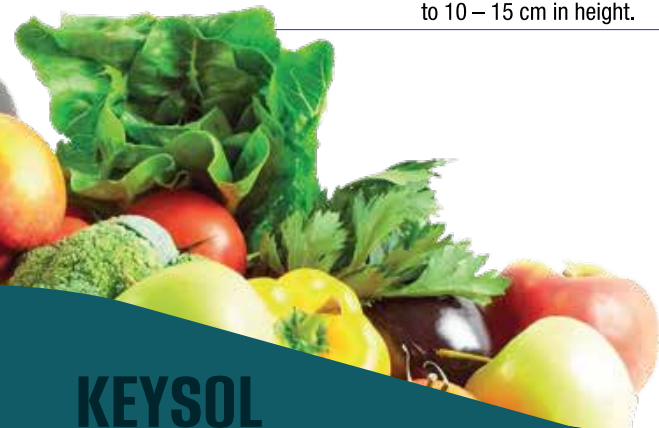
Guaranteed Content (w/w)

Nitrogen (N)	1,5%
Phosphorus Pentoxide (P2O5)	2%
Potassium Oxide (K2O)	2%
Organic Matter	24%
Humic & Fulvic Acid	22%
Amino Acids	2,5%
pH	6-8



Application

Crop Types	When to Apply?	Foliar Application	Soil Application
Greenhouse Vegetables	From planting to the harvest	250 – 300 cc/daa	3-5 L / daa
Field Vegetables	2-3 repetitions with 15 – 20 day intervals from planting to the end of the harvest	250 – 300 cc/daa	2-4 L / daa
Leafy Winter Vegetables	2-3 repetitions with 15 – 20 day intervals from planting to the end of the harvest	250 – 300 cc/daa	3-5 L / daa
Melon, Pumpkin, Watermelon, etc.	2-3 repetitions every 20 – 30 days starting by spring.	250 – 300 cc/daa	2-4 L / daa
Nursery & Ornamental Plants	2-3 repetitions with 15 – 20 day intervals from planting to the end of the harvest.	250 – 300 cc/daa	2-4 L / daa
Fruit Trees	Application periods: 1) Before the emergence of buds and flowering, 2) During fruit formation, and 3) Until the end of the harvest.	250 – 300 cc/daa	4-5 L / daa
Industrial Crops	Apply in 2 – 3 repetitions with an interval of 20 days when the plants reach up to 10 – 15 cm in height.	250 – 300 cc/daa	2-3 L / daa
Field Crops	Apply in 2 – 3 repetitions with an interval of 20 days when the plants reach up to 10 – 15 cm in height.	250 – 300 cc/daa	---



Ecofulvic 30 increases the bioavailability of nutrients in the soil. Its applications demonstrate particularly notable results for root structures, seed germination, photosynthesis, and water absorption. As root structures become more robust and photosynthesis increases, your crops can grow faster, with less risk of nutrient deficiencies, and are therefore less susceptible to disease and pests.

Prominent benefits of Ecofulvic 30

- ◆ Plays a critical role in chelation which is a process of molecular bonding that occurs in plants and soil. Restores humic substances in the soil and
- ◆ provides a carbon source to help keep nutrients readily available to the crop.
- ◆ Supports strong growth, resilient crops, and healthier soil.
- ◆ Works synergistically with other liquid crop nutrients. Easy to apply with other nutrients or crop protection products.
- ◆ Can be used at planting or throughout the growing season.

Guaranteed Content (w/w)

Nitrogen (N)	2 %
Phosphorus Pentoxide (P2O5)	2 %
Potassium Oxide (K2O)	4 %
Organic Matter	54 %
Organic Carbon (C)	20 %
Fulvic Acid	30 %
Free Amino Acids	2 %
pH	6-8



Application

Crop Types	Application Method & Time	Foliar Application	Soil Application
Greenhouse Vegetables	15 days after the start and end of harvest until the end of harvest with 20 day intervals.	100 – 150 cc/daa	4-5 L / daa
Open Field Vegetables	15 days after the start and end of harvest until the end of harvest with 20 day intervals.	100 – 150 cc/daa	4-5 L / daa
Winter Vegetables	It is applied in 2 – 3 repetitions with 20 – 30 day intervals from planting to the end of harvest.	100 – 150 cc/daa	4-5 L / daa
Melon, Watermelon, Pumpkin, etc.	It is applied in 2 – 3 repetitions with 20 – 30 day intervals from planting to the end of harvest.	100 – 150 cc/daa	4-5 L / daa
Nursery & Ornamental Plants	It is applied in 2 – 3 repetitions with 20 – 30 day intervals from planting to the end of harvest.	100 – 150 cc/daa	4-5 L / daa
Fruit Trees	Application phases: 1) Just before the emergence of buds and blossoms, 2) During fruit formation, and 3) Until the end of harvest	100 – 150 cc/daa	4 – 5 L/daa or 200 – 250 cc/tree
Industrial Plants	Every 20 days, apply in 2 – 3 repetitions when the plants reach 10 – 15 cm in height.	100 – 150 cc/daa	4-5 L / daa
Field Crops	Every 20 days, apply in 2 – 3 repetitions when the plants reach 10 – 15 cm in height.	100 – 150 cc/daa	4-5 L / daa

SUPPORTING FEEDERS OF THE GLOBE

KEYSOL ECOUMIC 20



Guaranteed Content (w/w)

Potassium Oxide (K2O)	2%
Organic Matter	30%
Humic & Fulvic Acid	20%
pH	6-8
Amino Acids + Vitamins	

KEYSOL ECOUMIC 25



Guaranteed Content (w/w)

Potassium Oxide (K2O)	2%
Organic Matter	35%
Humic & Fulvic Acid	25%
pH	6-8
Amino Acids + Vitamins	

KEYSOL ECOUMIC 30



Guaranteed Content (w/w)

Potassium Oxide (K2O)	6%
Organic Matter	30%
Humic & Fulvic Acid	24%
Amino Acids	2%
pH	6-8

KEYSOL ECOUMIC 45



Guaranteed Content (w/w)

Potassium Oxide (K2O)	2%
Organic Matter	45%
Humic & Fulvic Acid	20%
Amino Acids	4%
pH	6-8

KEYSOL ECOUMIC MN



Guaranteed Content (w/w)

Potassium Oxide (K2O)	4%
Organic Matter	20%
Humic & Fulvic Acid	18%
Magnanese (Mn)	2%
pH	6-8
Amino Acids + Vitamins	

KEYSOL ECOUMIC ZN



Guaranteed Content (w/w)

Potassium Oxide (K2O)	2%
Organic Matter	20%
Humic & Fulvic Acid	18%
Zinc (Zn)	1%
pH	6-8
Amino Acids + Vitamins	

KEYSOL ECOUMIC FE



Guaranteed Content (w/w)

Potassium Oxide (K2O)	2%
Organic Matter	35%
Humic & Fulvic Acid	20%
Iron (Fe)	7%
pH	6-8
Amino Acids + Vitamins	

KEYSOL ECOUMIC BOR



Guaranteed Content (w/w)

Potassium Oxide (K2O)	7%
Organic Matter	20%
Humic & Fulvic Acid	15%
Boron (B)	1%
pH	6-8
Amino Acids + Vitamins	

KEYSOL

BIOHUMAT SERIES

KEYSOL Biohumat Series is composed of powder biostimulants containing organic compounds humic acids (HA) and fulvic acids (FA). The basic function of this product line is to increase plant growth and vigor without directly providing nutrients or killing pests.

Major Benefits of KEYSOL Biohumat Series:

Chemical Benefits

Excellent chelators of soil minerals and nutrients. Chelation prevents nutrient pollution and keeps nutrients available for plant use. In addition, this product line is used in the remediation of contaminated water and soils.

Helps increase Cation Exchange Capacity (CEC) which is a measure of a soil's ability to hold positively charged ions called cations. Thereby, the soil can hold more nutrients. As the soil holds these cations, they cannot leach out of the soil. This decrease in nutrient leaching saves growers money on underutilized fertilizers. It also limits pollution caused by leaching of excess nutrients.

This product line enhances buffering capacity that allows for a more neutral pH. In turn, plant nutrients are more available.

Biological Benefits

Increases plant enzymes such as urease. Increases in enzyme number and function allow plants to better perform crucial processes. Some of these processes include cell division, hormone regulation, and energy production.

Provides benefits to soil microorganisms. They foster the growth and health of beneficial microbial communities. These microbes provide many benefits to plants. Beneficial microbes stimulate the formation of plant hormones, increase nutrient availability, and help protect against pests and diseases. As humic substances stimulate the production of plant hormones, plants experience increased root formation and germination.

Physical Benefits

Humic substances are known as soil conditioners, as they improve soil structure and function. Humic acids can increase soil aggregation which means that soil particles clump together, forming small air holes. This leads to increased aeration and drainage.

Decreases the heaviness of clay soils by getting between clay molecules. As the clay molecules separate, compaction decreases and root growth increases. HA also benefit the structure of sandy soils. Additions of HA increase the organic matter content of the soil, which increases water and nutrient holding capacities.

Keysol K-Humate is a highly effective product for biostimulation, nutrient regulation, and soil conditioning.

Prominent benefits of Keysol K-Humate:

- ◆ Improves soil structure.
- ◆ Enhances nutrient absorption.
- ◆ Augments nutrient exchange and retention.
- ◆ Stimulates microbial growth.
- ◆ Stabilizes pH.
- ◆ Increases stress tolerance.
- ◆ Increases root penetration and improves seed germination.



Guaranteed Content (w/w)

Organic Matter	43%
Water-Soluble Potassium Oxide (K ₂ O)	8%
Total Humic & Fulvic Acid	70%
pH	9 - 11

Application

Crop Types	When to Apply?	Soil Application gr/daa	Foliar Application gr/100 L water
Greenhouse Vegetables	2 – 3 repetitions at 15 – 20 day intervals from planting to the end of harvest	150 – 175	75-100 gr
Open Field Vegetables, Nursery & Ornamental Plants	2-3 repetitions with 15-20 days intervals from planting to the end of harvest	175-200	100-125 gr
Winter Vegetables	At 20 – 30 day intervals starting by spring	175-200	100-125 gr
Melon, Watermelon, Pumpkin, etc.	2 – 3 repetitions at 20 – 30 day intervals starting by spring	175-200	100-125 gr
Apple, Pear, Peach, Apricot, and Quince, Cherry, Almond, Vineyards, Olives, and Citrus	Three applications are recommended: 1) Just before the emergence of buds and blossoms, 2) Fruit formation, and 3) Until the end of harvest.	250 – 300 15 – 25 gr/tree	125 – 150
Industrial Crops	Apply in 2 – 3 repetitions at 20 day intervals after the plants reach 10 – 15 cm in height.	250-300	125 – 150
Farm Crops	Apply in 2 – 3 repetitions at 20 day intervals after the plants reach 10 – 15 cm in height.	-	125 – 150



1 Sec



2 Sec



3 Sec



4 Sec

BioHumat TE Power a highly effective product rich in iron, zinc, and manganese, can be used for biostimulation, nutrient regulation, and soil conditioning.

When you combine BioHumat TE Power with your regular feeding schedule, you can increase nutrient uptake, and water retention, prevent plant diseases, and improve general root health. The potassium in its content augments the quality, yield, and nutrition value of agricultural products while extending their shelf-life. Especially this product works great in creating a root zone that can easily absorb nutrients, chelate metals, and carry elements to nutrient-deprived sections of your plant.

Guaranteed Content (w/w)

Organic Matter	25 %
Total Humic Acid & Fulvic Acid	50 %
Water - Soluble Potassium Oxide (K ₂ O)	8 %
Water - Soluble Iron (Fe)	3 %
Water - Soluble Zinc Oxide (ZnO)	5%
Water - Soluble Manganese (Mn)	3%
pH	9.5-10.5



The definitive solution against iron, zinc and manganese deficiency!

Application

Crop Types	When to Apply?	Soil Application gr/daa	Foliar Application gr/100 L water
Greenhouse Vegetables	2 – 3 repetitions at 15 – 20 day intervals from planting to the end of harvest	150 – 175	75-100 gr
Open Field Vegetables, Nursery & Ornamental Plants	2-3 repetitions with 15-20 days intervals from planting to the end of harvest	175-200	100-125 gr
Winter Vegetables	At 20 – 30 day intervals starting by spring	175-200	100-125 gr
Melon, Watermelon, Pumpkin, etc.	2 – 3 repetitions at 20 – 30 day intervals starting by spring	175-200	100-125 gr
Apple, Pear, Peach, Apricot, and Quince, Cherry, Almond, Vineyards, Olives, and Citrus	Three applications are recommended: 1) Just before the emergence of buds and blossoms, 2) Fruit formation, and 3) Until the end of harvest.	250 – 300 15 – 25 gr/tree	125 – 150
Industrial Crops	Apply in 2 – 3 repetitions at 20 day intervals after the plants reach 10 – 15 cm in height.	250-300	125 – 150
Farm Crops	Apply in 2 – 3 repetitions at 20 day intervals after the plants reach 10 – 15 cm in height.	-	125 – 150



Keysol Fulvic Power can be added to your existing feeding schedules to boost the overall performance of your agricultural business.

This miraculous product with its tiny molecules works great in both soil and foliar applications, where they transfer vital nutrients through the cell membrane of your plants. They work in tandem to help boost your plant and increase crop yields. Its applications augment the water-holding capacity and strengthen drought and heat tolerances through enhancement of transpiration, inhibit carbonation and alkali build-up by functioning as a pH buffer, and support beneficial microbes critical in plant-microbial symbioses.

Furthermore, Keysol Fulvic Power is soluble in water at all pH levels.

Guaranteed Content (w/w)

Organic Matter	80%
Fulvic Acid	80%
Water-Soluble Potassium Oxide (K ₂ O)	6%
pH	6-8

Application Rates

Field & Industrial Plants	25 – 50 kg/daa
Tuberous Plants	25 – 50 kg/daa
Field Crops	20 – 40 kg/daa
Greenhouse Vegetables & Cut Flowers	50 – 70 kg/daa
Fruit Trees	1 – 3 kg/tree
Nurseries (2 – 5 year old)	0,5 – 1 kg/seedling
Vineyards	0,5 – 1 kg/vinestock
For Lawn Maintenance	50 kg / year
For Lawn Establishment	Twice at a rate of 30% – 50%



KEYSOL BIOHUMAT



KEYSOL AGRO
SUPPORTING FEEDERS OF THE GLOBE!

KEYSOL FERRO FORTE

Iron has a number of important functions in the overall metabolism of the plant and is essential for the synthesis of chlorophyll.

Iron deficiency chlorosis is a major nutritional disorder for crops growing in calcareous soils, and causes decreases in vegetative growth as well as marked yield and quality losses. Iron deficiency can occur during periods of heavy growth or high plant stress and it is also associated with high pH and excessive calcium carbonate in the soil. With a serious iron shortage, the older leaves and the smaller veins in the leaf can turn yellow and sometimes almost white. In serious cases, the leaves show necrosis, and the plant's growth and flowering are inhibited. If iron deficiency is not eliminated, results such as serious yield loss and growth retardation occur in plants; it causes the trees to dry completely in advanced stages.

As a long-lasting solution, our EDTA & EDDHA chelated eysol Ferro Forte Line helps you achieve your production goals by providing optimum iron availability. The chelated EDTA & EDDHA formulations form a protective ring around the nutrient, which preserves it from being tied up in the soil or by other nutrients.

KEYSOL Iron EDDHA 4.8 Ortho-Ortho

Keysol Iron EDDHA 4.8 Ortho-Ortho is a special iron preparation with the strongest chelate of any of the commonly used materials and maintains iron availability to your plants.

Iron deficiency is best corrected by spraying Keysol Iron EDDHA 4.8 Ortho-Ortho on your crops in both acidic and basic (alkaline - high pH) soils. Keysol Iron EDDHA 4.8 Ortho-Ortho gives faster results in high pH soils than other products available on the market and does not show any signs of iron deficiency for longer.

Guaranteed Content (w/w)

Iron (FE) 6%
4.8 Ortho-Ortho

Application

Crop Types	How to Apply?	Young Plant Period	Full Productivity Period
Tomato, Pepper, Eggplant, Cucumber, Beans, Melon	2 applications in 5 days starting from the onset of the flowering stage.	60 - 100 gr / 100 m2	60 - 100 gr / 100 m2
Citrus, Fruit Trees, Olive trees	2 applications in 5 days starting from the onset of the flowering stage.	5-10 gr / tree	30 - 60 gr / tree
Cotton, Corn, Soybean, Sunflower, Peanut, Chickpea	2 applications in 7 days starting from the onset of the flowering stage.	60 - 100 gr / 100 m2	60 - 100 gr / 100 m2
Cereals	Before the double ridge stage.	60 - 100 gr / 100 m2	60 - 100 gr / 100 m2
Banana	2 applications in floral initiation.	5-15 gr / tree	30 - 60 gr / tree
Potato, Onion, Garlic, Cabbage, Carrot, Sugar Beet	2 applications in 7 days starting from the onset of the flowering stage.	60 - 100 gr / 100 m2	60 - 100 gr / 100 m2



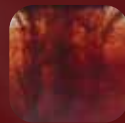
1 Sec



2 Sec



3 Sec



4 Sec



**KEYSOL
FERRO FORTE**
IRON EDDHA 4.8 ORTHO-ORTHO

Although most soils have plenty of iron, usually it's not available for plants and that's why iron deficiency which is also known as chlorosis (yellowing of leaves) is very common in plants.

100% chelated Keysol Fer EDTA 13% is an ideal solution to prevent chlorosis and can be used on all crops grown in field or controlled environments, and is designed to be a part of a balanced fertility program. Since Keysol Fer EDTA 13% is 100% water-soluble it is suitable both for foliage usage and fertigation in open fields and greenhouses. Its microgranules are dust-free, easy-flowing, and dissolve rapidly.

Guaranteed Content (w/w)

Iron (FE) _____ 13%
EDTA CHELATE _____

Application

Crop Types	When to Apply?	Foliar Application (per 100 L water)	Soil Application
Vegetables	After the emergence of the first fruit when the seedlings are transplanted.	100 – 150 gr/daa	250 – 300 gr/daa
Strawberry	If the pH of the soil is above 7.5, the application should be done following 20 days of the first flowering until the end of the harvest.	100 – 150 gr/daa	250 – 300 gr/daa
Flowers	During growing period.	100 – 150 gr/daa	250 – 300 gr/daa
Vineyards	During panicle extension and ower formation.	150 – 200 gr/daa	250 – 300 gr/daa or 5 gr/vinestock
Fruit Trees	1 application after the harvest in fall, and 1 application during fruit set in spring.	100 – 150 gr/daa	250 – 300 gr/daa or 20 gr/tree
Olives	During growing period.	100 – 150 gr/daa	250 – 300 gr/daa
Citrus	Before flowering and when fruits reach the size of nuts.	150 – 200 gr/daa	250 – 300 gr/daa
Watermelon, Melon, and Pumpkin	In ten days after the seedlings were transplanted and after the emergence of the first fruit.	100 – 150 gr/daa	250 – 300 gr/daa
Soybean, Chickpeas, Peas, Peanuts, Cotton, Corn	Before flowering and 20 days after flowering.	100 – 150 gr/daa	250 – 300 gr/daa



KEYSOL FERRO FORTE

FER EDTA 13%

KEYSOL CASHCOW MICRO ELEMENT WP SERIES

KEYSOL CASHCOW MICRO ELEMENT WP SERIES is particularly engineered in 100% water-soluble powder form since the foliar uptake of nutrients is much faster than root uptake. Therefore, foliar feeding is highly recommended when prompt correction of deficiencies is required.

Each choicest product in this line is the easy-to-use, cost-effective way to give your plants the nutrition they require at any stage of the growing cycle. They offer potent and readily absorbed nutrient sources. This line guarantees you'll find the right micronutrient powder for growth, blossoming, or fruiting stages.

KEYSOL CASHCOW MICRO ELEMENT WP SERIES is particularly engineered in 100% water-soluble powder form since the foliar uptake of nutrients is much faster than root uptake. Therefore, foliar feeding is highly recommended when prompt correction of deficiencies is required.

Each choicest product in this line is the easy-to-use, cost-effective way to give your plants the nutrition they require at any stage of the growing cycle. They offer potent and readily absorbed nutrient sources. This line guarantees you'll find the right micronutrient powder for growth, blossoming, or fruiting stages.

KEYSOL EMERALD LEAF



Guaranteed Content (w/w)

Zinc (Zn)	9%
Manganese (Mn)	9%
Magnesium Oxide (MgO)	15%
EDTA & Citric Acid	

KEYSOL ZINC EDTA



Guaranteed Content (w/w)

Zinc (Zn)	15%
EDTA CHELATE	

KEYSOL MAN EDTA



Guaranteed Content (w/w)

Manganese (Mn)	13%
EDTA CHELATE	

KEYSOL BOR EDTA



Guaranteed Content (w/w)

Boron (B)	13%
EDTA CHELATE	

KEYSOL GROW MATE



Guaranteed Content (w/w)

Boron (B)	6%
Zinc (Zn)	14%
EDTA CHELATE	

The micronutrients in Keysol Ultra Flowering extend the time of flowering. The formula contains sulfur that keeps the micronutrients available for an extended period of time. This combination of micronutrients offers higher flower yield per plant, increased flower diameter, and plant height.

Prominent benefits of Keysol Ultra Flowering

- ◆ Zinc in its content helps increase the plant height, number of branches per plant, the spike length, rachis length, number of florets per spike, number of bulbs per plant, flower life, and flower yield.
- ◆ Molybdenum in its content is required for the synthesis and activity of the enzyme nitrate reductase. Mo is vital for the process of symbiotic nitrogen (N) fixation by Rhizobia bacteria in legume root modules. Mo optimizes plant growth. Fe and Mo are active in the oxidation-reduction reactions in your plants, which are essential for photosynthesis, and other metabolic processes.
- ◆ Boron in its content plays a critical role in the fertilization and flowering process. Its application significantly increases the plant height, days to flower bud opening, number of flowers, flower weight, and yield.
- ◆ Its iron ingredient promotes early flowering and increases flower diameter and longevity.

Guaranteed Content (w/w)

Boron (B)	4%
Iron (Fe)	4%
Molybdenum (Mo)	5%
Zinc (Zn)	10%
Sulfur (S)	7%
Amino Acids	

Application

Crop Types	Soil Application	Foliar Application	Drip Irrigation
Horticulture Melon & Watermelon Ornamental Plants	1.5 – 2 kg/ha	75 – 100 g/hL Maximum 300 – 350 g/ha for adult crops before the vegetative cycle.	2 – 4 applications after transplantation or at the onset of the vegetative activity



KEYSOL TE UNION

Cashcow Microelement WP

KEYSOL TE Union enables rapid Iron, Zinc, Manganese, Boron, Copper, and Molybdenum absorption through the foliage, providing your plant with the missing nutrients, and strengthening it. In addition, its chelator EDTA, forms a protective ring around the nutrient, which protects it from being tied up in the soil or by other nutrients.

Prominent benefits of Keysol TE Union :

- ◆ Contains iron which is a component of many enzymes associated with energy transfer, nitrogen reduction and fixation, and lignin formation.
- ◆ Contains manganese which is a major contributor to various biological systems including photosynthesis, respiration, and nitrogen assimilation. Mn is also involved in pollen germination, pollen tube growth, root cell elongation, and resistance to root pathogens.
- ◆ Drives many metabolic reactions in all crop types with its Zinc content. A constant and continuous supply of Zn is needed for optimum growth and maximum yield.
- ◆ Supports the structural and functional integrity of plant cell membranes with its Boron content.
- ◆ Optimizes plant growth thanks to its molybdenum content which is required for the synthesis and activity of the enzyme nitrate reductase. Mo is vital for the process of symbiotic nitrogen (N) fixation by Rhizobia bacteria in legume root modules. Moreover, its Mo ingredient prevents the nitrate accumulation in your plants' leaves and enables its use to make proteins for normal growth.

Guaranteed Content (w/w)

Iron (Fe)	5.7%
Zinc (Zn)	4%
Manganese (Mn)	3%
Boron (B)	1%
Copper (Cu)	1%
Molybdenum (Mo)	0.02%
EDTA Chelate	

Application

Crop Types	How to Apply?	Foliar Application (per 100 L water)	Soil Application
Greenhouse & Open Field Vegetables	2 – 3 repetitions when growing starts.	100 – 150 gr/daa	300 gr/daa
Seedlings	2 repetitions during irrigation of seedlings.	100 – 150 gr/daa	300 gr/daa
Tuberous Plants (Onion, Potato, Turnip, Carrot)	2 – 3 repetitions when growing starts.	100 – 150 gr/daa	350 gr/daa
Fruit Trees	2 – 3 repetitions when growing starts.	100 – 150 gr/daa	400 gr/daa





KEYSOL STRAIGHT & BASE FERTILIZERS

BASE FERTILIZERS

The products in this line are applied before the planting of crops which provides your plants with nutrients throughout the growing season. Together with presowing fertilization and top dressing, the base fertilizer forms the fertilizer system used in crop rotation. They are applied annually, usually in broadcast fashion, at plowing or cultivation time. The time of application, the depth, and the quantity depend on the type of crops, climatic and weather conditions, properties of the soil, and the equipment used.

STRAIGHT FERTILIZERS

Keysol Straight Fertilizers subsume high-end fertilizers which supply only one primary plant nutrient, either N or P or K. Fertilizers in this category can be classified as straight nitrogenous, straight Phosphatic or straight Potash fertilizers.

KEYSOL POTAS 35 GR - WP

KEYSOL STRAIGHT & BASE FERTILIZERS

An adequate potassium amount is required at every stage of plant growth. With insufficient potassium, plant growth stalls, resistance to pests and disease weakens, fruit quality suffers, and the plant leaves eventually yellow and die. Therefore, supplemental potassium is beneficial for all crop types.

Keysol Potas 35 is a unique high-quality fertilizer containing organic potassium, sulfur, and calcium derived from plants. Thus, its uptake by plants is much faster when compared to chemical fertilizers.

Besides, Keysol Potas 35 is not easily washed away. It maintains a lower soil pH. This product perfectly meets the Potassium, Sulfur, and Calcium need of your crops organically. And it is available both in powder and granular form.

Guaranteed Content (w/w)

Potassium (K ₂ O)	35%
Sulfur (S)	40%
Calcium Oxide (CaO)	10%
Magnesium Oxide (MgO)	0.04%



Application & Dosages for Potas 35 WP

Crop Types

Application Rate kg/daa

Seedlings

After planting, 500 – 600 gr/daa is applied through drip irrigation.

Greenhouse Vegetables

The first application is done after planting. It is applied through drip irrigation at a rate of 500-750 gr every 1 or 2 weeks until flowering period. However, if the release is to be administered by irrigation, the application dose should be increased by one fold.

Open Field Vegetables

After transplanting, it is applied through 500-1000 gr of drip irrigation water per decare. This application is split in two or three repetitions. If the release is to be applied by irrigation, the application dose should be increased by one fold.

Banana

It is applied with drip irrigation water at a rate of 500-750 gr/daa during 750 – 1000 gr clustering period. However, if the release is to be administered by irrigation, the application dose should be increased by one fold.

For Foliar Application : Apply in 4 – 5 repetitions at a rate of 200 – 250 gr/100 L water for vegetables and 350 – 400 gr/100 L water for fruits.

KEYSOL STRAIGHT FERTILIZERS

KEYSOL K 46



Guaranteed Content (w/w)

Total Nitrogen (N)	13%
Nitrate Nitrogen (NO ₃ -N)	13%
Potassium Oxide (K ₂ O)	46%

KEYSOL K 50



Guaranteed Content (w/w)

Water-Soluble Potassium (K ₂ O)	50%
Sulfur Trioxide (SO ₃)	18%

KEYSOL MKP 0-52-34



Guaranteed Content (w/w)

Phosphorus Pentoxide (P ₂ O ₅)	52%
Potassium Oxide (K ₂ O)	34%

KEYSOL MAP 12-61-0



Guaranteed Content (w/w)

Total Nitrogen (N)	12%
Ammonium Nitrogen (NH ₄ -N)	12%
Phosphorus Oxide (K ₂ O)	61%

KEYSOL MG SULFATE



Guaranteed Content (w/w)

Magnesium Sulfate (MgSO ₄)	16%
Sulfur Trioxide (SO ₃)	32%
Sulfur (S)	13%

KEYSOL UP 44



Guaranteed Content (w/w)

Urea Nitrogen (N)	17%
Phosphorus Pentoxide (P ₂ O ₅)	44%

KEYSOL CALCINIT



Guaranteed Content (w/w)

Total Nitrogen (N)	15.5%
Nitrate Nitrogen (N)	14%
Calcium Oxide (CaO)	26.5%

KEYSOL MAGNIT



Guaranteed Content (w/w)

Total Nitrogen (N)	11%
Nitrate Nitrogen (NO ₃ -N)	11%
Magnesium Oxide (MgO)	15%
Magnesium (Mg)	9%

KEYSOL STRAIGHT & BASE FERTILIZERS

KEYSOL BASE FERTILIZERS

KEYSOL DAP 18-46



Guaranteed Content (w/w)

Total Nitrogen (N)	18%
Total Phosphorus Pentoxide	46%

KEYSOL UREA 46



Guaranteed Content (w/w)

Total Nitrogen (N)	46%
Urea Nitrogen (N)	46%

KEYSOL POTAS 50 GR



Guaranteed Content (w/w)

Potassium Oxide (K ₂ O)	50%
Sulfur Trioxide (SO ₃)	46%

KEYSOL TSP



Guaranteed Content (w/w)

Total Phosphorus Pentoxide (P ₂ O ₅)	40%
-------------------------------------------------------------	-----

KEYSOL AN 33



Guaranteed Content (w/w)

Total Nitrogen (N)	33%
Ammonium Nitrogen (N)	16.5%
Nitrate Nitrogen (NO ₃ -N)	16.5%

KEYSOL POTAS 35 GR



Guaranteed Content (w/w)

Potassium Oxide (K ₂ O)	35%
Sulfur (S)	40%
Calcium Oxide (CaO)	10%
Magnesium Oxide (MgO)	0.04%

KEYSOL AS 21 DCD GRANULAR



Guaranteed Content (w/w)

Total Nitrogen (N)	21%
Ammonium Nitrogen (N)	20.4%
Dicyandiamide Nitrogen	0.6%


KEYSOL AS 21 CRYSTAL



Guaranteed Content (w/w)

Nitrogen (N)	21%
Sulfur Trioxide (So ₃)	24%

KEYSOL STRAIGHT & BASE FERTILIZERS



KEYSOL SULFUR SERIES

Keysol Sulfur Series has been designed to meet sulfur need of your plants in a most effective and economic way.

Granular, powder, and liquid sulfur forms are available for your plants' specific needs. Sulfur (S) is receiving its due as the fourth essential macronutrient and should be particularly used for coarse-textured, soils that are well-drained and low in organic matter which are most prone to sulfur deficiency.

**KEYSOL
SULFUR GR**



Guaranteed Content (w/w)

Sulfur (S) _____ 99.9%

**KEYSOL
SULFUR GR - WP**

Keysol Sulfur is highly recommended to be used as a part of a balanced fertility program; so that, it can provide a season-long source of sulfur. This product can be applied alone or blended with other fertilizers.

Why to use Keysol Sulfur:

To correct or avoid sulfur deficiency
 Photosynthesis depends on sulfur, which is required to produce chlorophyll.
 Plants also require sulfur to synthesize starch, sugars, oils, fats, and vitamins and rely on sulfur to metabolize nitrogen.
 Sulfur plays a central role in synthesizing oils in oilseed crops.
 Resists leaching until converted to sulfate form.
 Keysol Sulfur is highly recommended to be used as a part of a balanced fertility program; so that, it can provide a season-long source of sulfur. This product can be applied alone or blended with other fertilizers.

Application & Dosages

Crop Types	Application Rate
Farm Crops	30 - 60 kg/daa
Vegetables	50 - 100 kg/daa
Trees	1 - 2 kg /Tree
GrainS & Corn	30 - 50 kg/daa
Pastures	20 - 40 kg/daa

**KEYSOL
SULFUR WP**



Guaranteed Content (w/w)

Sulfur (S) _____ 99.9%



This product is highly recommended to growers who seek to optimize crop production and maximize yield potential.

Keysol Sulfacid SC stimulates the uptake of nutrients that remain tied up in the soil by lowering the micro pH level in the root zone. It removes the accumulated salt in the root zone by pushing it down.

Keysol Sulfacid SC ensures obtaining maximum benefit from the applied fertilizer also by lowering the pH value of the irrigation water.

Furthermore; Keysol Sulfacid SC enables the plant to uptake nitrogen, ammonium, and nitrates in the form of urea in a balanced manner. Consequently, this product provides a better development for the vegetative and generative components of your plants.

Last but not least, it increases the crop yield while producing highly nutritional crops.

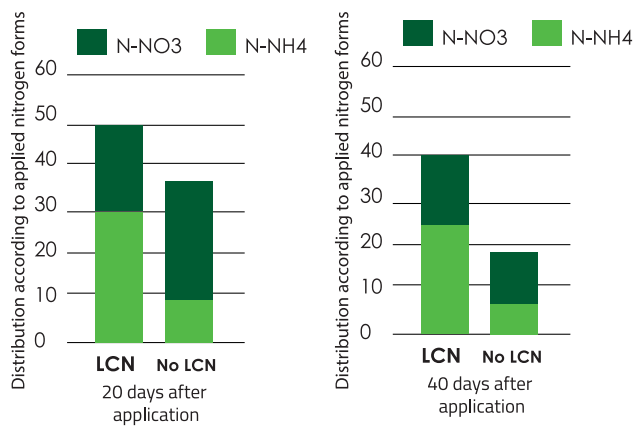
Guaranteed Content (w/w)

Nitrogen (N)	16%
Sulfur (S)	40%

Application & Dosages

Keysol Sulfacid SC can be used throughout the entire plant development. This product can also be used with water-soluble trace elements.

Recommended dosage: 100-200 ml / 1000 lts of water



KEYSOL SULFUR SC 80

Sulfur SC 80 is an essential product for complete and balanced crop nutrition. Its applications lead to earlier and more uniform maturity and higher oil and protein levels.



Available in 500 cc - 1 L bottles, 5-10-20 L drums, and IBC.

Application & Dosages

Crop Types	Application Rate L / daa
Fruit Trees	50 – 100
Onion, Potatoes, and Sugarcane	60 – 120
Pumpkin	40 – 80

Prominent benefits of Sulfur SC 80

- ◆ Promotes nodulation in legumes, and helps develop and activate certain enzymes and vitamins.
- ◆ Helps soil respiration and keeps your soil warmer in cold months.
- ◆ Facilitates the uptake of macro (nitrogen, phosphorus, potash, etc) and micro (zinc, iron, cobalt, manganese) nutrients that the soil cannot uptake due to high pH.
- ◆ Does not damage the greenhouse cover.

Since it is in the form of elemental sulfur, it is fourfold more effective than the sulfate and the like sulfur forms. The total sulfur (S) content is 80% on average which corresponds to 200% of the total SO₃ (sulfur dioxide) source. Its elemental S form renders it an effective product that can be used in soil improvement.

Guaranteed Content (w/w)

Elemental Sulfur	80 %
Diluted Sulfur	800 gr/L

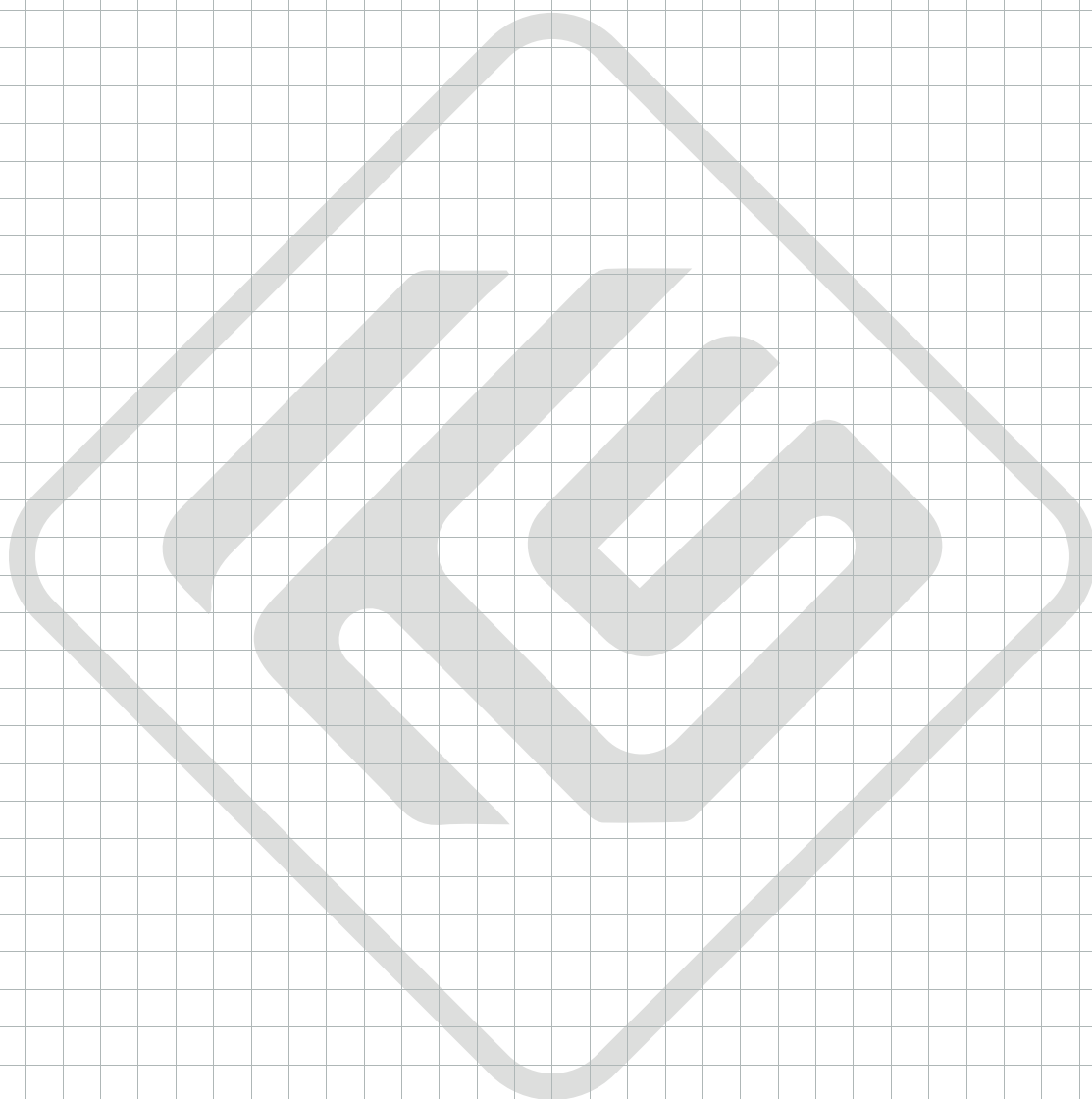


KEYSOL AGRO





KEYSOL AGRO



www.keysolagro.com



SUPPORTING FEEDERS OF THE GLOBE

Follow Us



www.keysolagro.com



KEYSOL AGRO

KEYSOL AGRO KİMYA TARIM SANAYİ VE DIŐ TİC.LTD.ŐTİ.



KEYSOL AGRO

Address : Gazi Mustafa Kemal Mh. Veskar Sk. N:8 TORBALI - İZMİR -TURKEY
E-mail : info@keysolagro.com
Tel : +90 232 425 20 25
Whatsapp : +90 552 743 43 92
Web : www.keysolagro.com
Keysolagro Europe : www.keysolagro.ro

Whatsapp



Keysol Web



Keysol EU



/keysolagro