



PULCU AGRICULTURAL  
FERTILIZER CATALOGUE

Best Quality Raw Materials  
Professional R&D  
Latest Technology Production Equipment



## Description

*Pulcu Nano Elite* is Copper (Cu), Iron(Fe), Manganese(Mn) and Zinc EDTA chelated. Chlorine and Biuret rates are very low and can be used safely in all plants. In addition to nitrogen and potassium in its composition, it meets the nutrient needs of plants in the early stages of development as a result of its high content of phosphorus and trace elements and plant growth regulators. By containing high phosphorus, more fruit set, healthy growth and high yield are obtained.

## Plants Used

*Pulcu Nano Elite* can be safely used in vegetables such as cotton, tobacco, sunflower, sugar beet, potato, corn, cereals, field crops, tomatoes, peppers, cucumbers, eggplants, melons, watermelons, beans etc.

It is also used safely in fruit trees and ornamental plants such as citrus, peach, apple, plum, apricot, olive, hazelnut and pistachio.

## Dosage and Usage

The general application dose of *Pulcu Nano Elite* by leaf is 200-400 g per 100 liters of water or decare.

For best results, 2-3 applications should be applied at the beginning of the growing season with an interval of 10-14 days.

It can also be applied by plane. While being applied by plane, as an example :

Mix 100 g of *Pulcu Nano Elite* 10-52-10 in 5 liters of water in an area of decare.

## For to support plant development

For root growth	(10 -52-10 + TE)
For flower development	(10-52-10 + TE)
For greener leaves	(30-10-10 + TE)
For fruit growth and hardness	(17-7-21 + 6.5CaO + 2.5MgO + TE)
For better color picking of fruits	(10-10-40 + TE)
For flower and fruit growth performance	(0-40-40)

## For balanced development

*Pulcu Nano Elite* series can be used safely to ensure that the product receives all necessary nutrients for balanced development.

## 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	13-0-46+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



## Description

**Pulcu Nano Elite 20-20-20 + 2MgO + TE** is a fertilizer made of high quality raw materials. It is 100% water soluble and is a special product free of toxic or insoluble residues.

**Pulcu Nano Elite 20-20-20 + 2MgO + TE** is compatible with all types of irrigation systems and can be used for foliar fertilization. It can adapt the amounts to the growth stage of the plant, the selected variety, the fertility of the soil and the growth method.

## Low Salinity

**Pulcu Nano Elite 20-20-20 + 2MgO + TE** doesn't contain any of the carbonate or sulfate salts. The low EC level of the product provides high nutritional capability.

## High Quality

**Pulcu 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)

Total Nitrogen (N)	20 %
Water Soluble Phosphorus (P2O5)	20 %
Water Soluble Potassium (K2O)	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 (ZnO)	70 ppm 0.007 %
EDTA Chelated	



## Application

Plants	Application Period	Soil Application	Foliar
All Vegetables	2-4 applications in each period from flowering to harvest	5-20 kg/ha/day	200-300 gr / 100 lt water
Strawberry	2-4 applications in each period from flowering to harvest	5-20 kg/ha/day	200-300 gr / 100 lt water
All Field Crops	2-4 applications in each period from flowering to harvest	-	200-300 gr / 100 lt water
All Fruit Production	2-4 applications in each period from flowering to harvest	5-20 kg/ha/day	300-500 gr / 100 lt water
Banana	2-4 applications in each period from flowering to harvest	5-20 kg/ha/day	300-500 gr / 100 lt water

## Description

**Pulcu Nano Elite 10-52-10+TE** is a high phosphorus content formulation for root development and flowering during the first and middle stages of the growing period.

**Pulcu Nano Elite 10-52-10+TE** provides trouble-free flowering and earliness in product by directing you to develop generative parts of your plant.

It is a source of phosphorus that is easily absorbed by plants even during periods of deterioration of weather conditions, decreased soil temperature and decreased phosphorus uptake.

## Guaranteed Content (w/w)

Total Nitrogen (N)	10 %
Water Soluble Phosphorus (P2O5)	52 %
Water Soluble Potassium (K2O)	10 %
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

Plants	Application Period	Soil Application	Foliar
Cotton	Through flowering	2-3 kg/ha	200-300 gr / 100 lt water
Potato	Tuber formation	1-2 kg/ha	200-300 gr / 100 lt water
Citrus	Before flowering	1-2 kg/ha	200-300 gr / 100 lt water
All Vegetables	2-4 applications in each period from flowering to harvest	1-2 kg/ha	300-500 gr / 100 lt water
All Fruit Production	2-4 applications in each period from flowering to harvest	1-2 kg/ha	300-500 gr / 100 lt water

## Description

**Pulcu Nano Elite 10-10-40+TE** is used in young and advanced stages of professional plants by dissolving in water.

**Pulcu Nano Elite 10-10-40+TE** is a fertilizer that meets the needs of macro plant nutrients such as N, P, K and B, Cu, Fe, Mn, Mo, Zn in horticulture and greenhouses. It is a special solid product applied from leaves and soil that are completely soluble in water.

Potassium-rich **Pulcu Nano Elite 10-10-40+TE** provides the ripening and yield increase of the crop.

## Guaranteed Content (w/w)

Total Nitrogen (N)	10 %
Water Soluble Phosphorus (P2O5)	10 %
Water Soluble Potassium (K2O)	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

Plants	Application Period	Soil Application	Foliar
Fruit Trees	2-4 applications in each period from flowering to harvest	2-5kg/ha	200-300 gr / 100 lt water
Garden Plants	2-4 applications in each period from flowering to harvest	2-5kg/ha	200-300 gr / 100 lt water
Aquatic Plants	2-4 applications in each period from flowering to harvest	1-2kg/ha	200-300 gr / 100 lt water
Ornamental Plants	2-4 applications in each period from flowering to harvest	3-5kg/ha	200-300 gr / 100 lt water
Nurseries	2-4 applications in each period from flowering to harvest	3-5kg/ha	200-300 gr / 100 lt water

## Description

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

Pulcu 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.

Pulcu Nano Elite 0-40-40 + TE is chelated and can be taken 100% by the plant even in cold weather.

## Guaranteed Content (w/w)

Water Soluble Phosphorus (P2O5)	40 %
Water Soluble Potassium (K2O)	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

Plants	Application Period	Soil Application	Foliar
Cotton	Through flowering	2-5 kg/ha	150-200 gr / 100 lt water
Potato	Tuber formation	2-5 kg/ha	125-175 gr / 100 lt water
Citrus	Before flowering	1-2 kg/ha	175-200 gr / 100 lt water
All Vegetables	2-4 applications in each period from flowering to harvest	3-5 kg/ha	175-200 gr / 100 lt water
All Fruit Production	2-4 applications in each period from flowering to harvest	3-5 kg/ha	150-200 gr / 100 lt water

## Description

**Pulcu Nano Elite 17-7-21 + 6.5CaO + 2.5MgO + TE** is used in young and advanced stages of plants by dissolving in water. It is a fertilizer that meets the needs of macro plant nutrients such as N, P, K and B, Cu, Fe, Mn, Mo, Zn in horticulture and greenhouses.

It is a special solid product can be applied by foliar and soil that are completely soluble in water.

**Pulcu Nano Elite 17-7-21 + 6.5CaO + 2.5MgO + TE**, rich in calcium and magnesium, will promote the ripening of the crop. Does not calcify because it does not absorb moisture. Soluble even in cold water.

## Guaranteed Content (w/w)

Total Nitrogen (N)	17 %
Water Soluble Phosphorus (P2O5)	7 %
Water Soluble Potassium (K2O)	21 %
Magnesium (MgO)	2.5 %
Calcium (CaO)	6.5 %
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 (ZnO)	70 ppm 0.007 %
EDTA Chelated	



## Application

Plants	Application Period	Soil Application	Foliar
All Vegetables	2-4 applications in each period from flowering to harvest	5-20 kg/ha	200-300 gr / 100 lt water
Strawberry	2-4 applications in each period from flowering to harvest	5-20 kg/ha	200-300 gr / 100 lt water
All Field Crops	2-4 applications in each period from flowering to harvest	-	200-300 gr / 100 lt water
All Fruit Production	2-4 applications in each period from flowering to harvest	5-20 kg/ha	300-500 gr / 100 lt water
Banana	2-4 applications in each period from flowering to harvest	5-20 kg/ha	300-500 gr / 100 lt water

## Description

*Pulcu Expert* contains all water soluble Nitrogen (N), Phosphorus (P), and Potassium (K). It is an ideal fertilizer for plants with its micro element, amino acid and vitamin content.

*Pulcu Expert* products meet the needs of plants with the best quality drip irrigation fertilizer that gives 100% growth power and general purpose uses and plant-specific formulations.

*Pulcu Expert* gives the best quality result in plant production with its wide product range of formulations addressing every stage of plant development.

## Usage Doses

<i>Pulcu Expert</i>	10-40-10+TE	Accelerates cell division for rooting and stem formation.
<i>Pulcu Expert</i>	20-10-10+TE	Accelerates vegetative development.
<i>Pulcu Expert</i>	7-6-40+TE	Accelerates ripening and coloration. For longer storage of vegetables and fruits.
<i>Pulcu Expert</i>	20-20-20+TE	Provides balanced nutrition suitable for use in all periods.

## 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





## Description

*Pulcu Expert 20-20-20+TE* is a macro and micronutrient, chelated water soluble, crystalline solid chemical fertilizer.

Produced entirely from pure chemicals. The presence of chlorine in chemical fertilizers is very important in terms of phytotoxicity. The fact that chlorine is not present in *Pulcu Expert 20-20-20+TE* gives it a distinctive feature.

The effect of the plant nutrients from the leaves both quickly and completely is seen in a very short time. Besides foliar application, it can be applied directly to the soil in drip, sprinkler and other irrigation systems.

One of its greatest features is its ability to dissolve easily in water. This feature allows it to be used with any kind of spraying equipment, airplane and all irrigation systems.

## Guaranteed Content (w/w)

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



## Application

### Plants

### Application

Apple, Pear, Peach, Plum, Apricot, Cherry, Citrus fruits, Walnuts, Almonds, Pistachios	It is applied at the beginning of growth periods and when the plant needs nutritional support at a dosage of 100-200 gr per decare 200 gr or 100 lt water. It can be disposed of by mixing with many insecticides and fungicides. 3 applications can be made during the season.
Olive	When flower bunches are formed, it is applied in 100-200 gr dose to 100 lt water. Grain is repeated after formation.
Strawberry	When the first fruit eyes appear, it is applied at a dosage of 200 g per decare. It can be applied 3 or more times with 7-10 days intervals.
Vineyard, Raspberry, Blackberry	At the beginning of the growth period or when needed, it is applied at a dosage of 200 g per decare.
Cotton, Soybean, Peanut, Sugar Beet, Sweet potato	After the completion of the leaf formation, it is applied at a dosage of 200 g per decare and repeated if necessary with an interval of 15 days.
Corn, Sunflower	It is applied at a dose of 200 g per decare together with weed remedies. Repeat 1-2 times if necessary.

## Description

*Pulcu Expert 10-40-10 + TE* is a phosphor-rich fertilizer containing different special pigments and very effective on all plants. It is a product that meets the plant nutrient needs of the plants in the early development stages thanks to the high content of phosphorus in addition to the nitrogen and potassium contained in its composition in a balanced manner. Higher phosphorus yields more sedate growth, more flowering and fruit set, healthy growth and yield.

This phosphorous formulation is used to stimulate root development in the early stages of the plant, to store phosphorus in the young period and to produce healthy flowers during the flowering period. It contains high amount of micro elements that the plant will need during flowering period.

*Increased growth rate.*

*Increased grain weight.*

*Increases cold resistance capacity and resists more drought.*

*Improves resistance to disease.*

## Guaranteed Content (w/w)

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



## Application

Plants	Period	Soil Application	Foliar
Open field vegetables, Tomato, Pepper, Eggplant, Cucumber, Bean	It should be used by dividing the product during the development period and increasing it especially during the rapid development period of the vegetable.	3 - 5 Kg / Da	150 - 200 gr / 100 lt water
Greenhouse Vegetables	It should be used by dividing the product during the development period and increasing it especially during the rapid development period of the vegetable.	3 - 5 Kg / Da	150 - 200 gr / 100 lt water
Fruit Trees	Divide into 3-4 applications before and after flowering	100-150 gr / tree	150 - 200 gr / 100 lt water
Vineyard	It should be used by dividing into 3-4 applications during plant development period especially by increasing fruit before flowering.	3 - 5 Kg / Da	200 - 250 gr / 100 lt water
Olive	2-3 application before and after flowering	100 - 150 gr / tree	150 - 200 gr / 100 lt water
Citrus	2-3 application before and after flowering	150 - 200 gr / tree	150 - 200 gr / 100 lt water

## Description

*Pulcu Expert 7-6-40 + TE* has an extra potash formula especially in the production stage for intensive fruit production and in improving fruit quality. Made of high quality pure raw materials with chelated micronutrients for quick absorption and high throughput.

*Pulcu Expert 7-6-40 + TE* is a multi-purpose formulation applied after flowering in plants. Promotes fruit set and fruit development. Provides fruit ripening simultaneously. Provides fullness of body and fruit.

*Pulcu Expert 7-6-40 + TE* affects the quality and quantity of the fruit. It increases the resistance of plants against diseases. Reduces cracking in fruit, provides hard and full fruit as well as the nitrogen needed for the development of plants. It contains high amount of micro elements that the plant will need during fruit period.

## Application

### Guaranteed Content (w/w)

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



## Application

Plants	Period	Soil Application	Foliar
Open field vegetables, Tomato, Pepper, Eggplant, Cucumber, Bean	It should be used by dividing the product during the development period and increasing it especially during the rapid development period of the vegetable.	3 - 5 Kg / Da	150 - 200 gr / 100 lt water
Greenhouse Vegetables	It should be used by dividing the product during the development period and increasing it especially during the rapid development period of the vegetable.	3 - 5 Kg / Da	150 - 200 gr / 100 lt water
Fruit Trees	Divide into 3-4 applications before and after flowering	100-150 gr / tree	150 - 200 gr / 100 lt water
Vineyard	It should be used by dividing into 3-4 applications during plant development period especially by increasing fruit before flowering.	3 - 5 Kg / Da	200 - 250 gr / 100 lt water
Olive	2-3 application before and after flowering	100 - 150 gr / tree	150 - 200 gr / 100 lt water
Citrus	2-3 application before and after flowering	150 - 200 gr / tree	150 - 200 gr / 100 lt water

## Description

Granule is a compound fertilizer applied under the soil in the form of sulphate and can be used as subsoil fertilizer for the plants to be planted in all soils.

During planting, the fertilizer should be applied to the seed depth as a band. If spreading is required, the fertilizer must be brought to the depth of the seed under the soil. Otherwise, the desired yield cannot be obtained.

Concentrated, high-impact granular triple NPK fertilizers have an optimal nutrient content. In this fertilizer, the basic nutrients are found in a form readily provided by the plants.

The nitrogen here is in the form of nitrate, ammonia, urea. The granulation of this fertilization ensures rapid dosing. NPK fertilizer is especially recommended for corn, sunflower, sugar beet and potato growers as well as for fruits and vegetables. It is used in soils with low potassium content and in plants that need extra potassium.

When used with annual crops, it is applied when water flows or just before the water starts to flow.

When used as a basic fertilizer during planting, it should be processed under the soil when spread.

*Chloride Free*

*Low Salinity*

*Safe & Easy to use*

*High Quality*

*Top quality granule base fertilizer giving 100% growth power*

## Formulations

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



## Description

*Pulcu Excellent Granular NPK 15-15-15+15s* Nitrogen (N), Phosphorus (P), Potassium (K), Sulfur (SO<sub>3</sub>) is a new generation base fertilizer containing granules.

Thanks to the sulfur in it, nutrients can be taken up more by the plant. In addition, the nutrients used in previous years but connected to the soil also dissolve into a form that can be taken.

*Pulcu Excellent Granular NPK 15-15-15+15s* does not contain chlorine and does not create salinity.

The sulfur in it has an important role in regulating the pH of the soil.

## SULPHATE BASE

### Guaranteed Content (w/w)

Total Nitrogen (N)	15%
Phosphorus (P <sub>2</sub> O <sub>5</sub> )	15%
Potassium (K <sub>2</sub> O)	15%
Total Sulfur (So <sub>3</sub> )	15%

## Application

Plants	Kg / decare
Tomato, Pepper, Cucumber, Eggplant etc.	15-20
Potato, Onion, Cabbage, Carrot, Zucchini etc.	15-20
Wheat, Barley, Oats, Rye etc.	20-25
Forage crops, Green field	10-15
Corn	20-25
Tobacco, Sugar Beet, Cotton	10-20
Canola, Sunflower	20-25
Vineyard	15-20
Peach, Cherry, Plum, Apricot and etc.	20-25
Apple, Pear, Quince and etc.	20-25

**PRODUCED IN  
DESIRED COLOUR & FORMULATION**



## Description

*Pulcu Excellent Granular NPK 20-10-10+10S* is a compound fertilizer designed to maximize crop yield and quality. Each granule of *Pulcu Excellent Granular NPK 20-10-10+10S* contains nitrogen, phosphorus and potassium, as well as secondary and micronutrients and provides balanced nutrition to meet the nutritional needs of the crop.

*Pulcu Excellent Granular NPK 20-10-10+10S* contains a perfect combination of immediate use Nitrate Nitrogen and slower release Ammonium Nitrogen. This balanced nitrogen source enables faster growth responses, higher yields and greater yields. In addition, a more efficient nitrogen source means less nutrient loss to the environment.

*Pulcu Excellent Granular NPK 20-10-10+10S* contain both water soluble and ammonium citrate soluble phosphates for greater usability in plants on a wide range of soil types and longer phosphorus life.

### SULPHATE BASE

### Guaranteed Content (w/w)

Total Nitrogen (N)	20%
Phosphorus (P2O5)	10%
Potassium (K2O)	10%
Total Sulfur (So3)	10%

**PRODUCED IN  
DESIRED COLOUR & FORMULATION**

## Application

Plants	Kg / decare
Tomato, Pepper, Cucumber, Eggplant etc.	25-30
Potato, Onion, Cabbage, Carrot, Zucchini etc.	20-25
Wheat, Barley, Oats, Rye etc.	25-30
Forage crops, Green field	10-15
Corn	25-30
Tobacco, Sugar Beet, Cotton	15-25
Canola, Sunflower	20-25
Vineyard	20-25
Peach, Cherry, Plum, Apricot and etc.	20-25
Apple, Pear, Quince and etc.	25-30



## Description

*Pulcu Excellent Granular NPK 13-13-21+21S* is a high quality, complex mineral fertilizer containing micro elements for basic and pre-seasonal fertilization, but can also be used to grow plants during vegetation.

Pulcu fertilizers have a high content of active ingredients, so that a crop source compatible with all the necessary nutrients can be obtained, resulting in a healthier crop condition and optimum water consumption. Thanks to exceptional raw materials and special production processes, in the case of soil moisture, the granules begin to dissolve immediately and supply the necessary nutrients to the plants continuously. Each granule is likewise in size, chemical composition and provides a smooth surface application.

*Pulcu Excellent Granular NPK 13-13-21+21S* promotes healthy flowering in plants, ornamental plants and landscape plants.

## SULPHATE BASE

### Guaranteed Content (w/w)

Total Nitrogen (N)	13%
Phosphorus (P2O5)	13%
Potassium (K2O)	21%
Total Sulfur (So3)	21%

**PRODUCED IN  
DESIRED COLOUR & FORMULATION**

## Application

Plants	Kg / decare
Tomato, Pepper, Cucumber, Eggplant etc.	25-30
Potato, Onion, Cabbage, Carrot, Zucchini etc.	20-25
Wheat, Barley, Oats, Rye etc.	25-30
Forage crops, Green field	10-15
Corn	20-25
Tobacco, Sugar Beet, Cotton	15-25
Canola, Sunflower	20-25
Vineyard	20-25
Peach, Cherry, Plum, Apricot and etc.	20-25
Apple, Pear, Quince and etc.	25-30



# Pulcu Excellent Granular NP

## Description

The compound fertilizer contains nitrogen (N) and phosphorus (P2O5) in a balanced manner. It should be used for balanced fertilization, especially in phosphorus-poor soils. It is used as base fertilizer (subsoil) in all plants considering the root depth of the plant.

The balanced ratio of Nitrogen (N) and Phosphorus (P) ensures effective fertilization of plant products at the outset.

*It increases plant resistance against drought and diseases.*

*Smooth granulation*

*Slightly soluble in water, less fertilizer*

*Provides uniform spread to soil*

The high and stable content of fertilizing elements, Nitrogen (N) and Phosphorus (P), makes *Pulcu Excellent Granular 20-20-0* a suitable fertilizing solution on all soils and crops.

It can be used as basic fertilizer in fraction applications but it is also suitable for sowing. It facilitates growth and germination even in adverse weather conditions.

## 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	





## Description

*Pulcu Excellent Granular PK* Compound fertilizer contains Phosphorus (P2O5) and Potassium (K2O) in a balanced manner.

It is used for balanced fertilization, especially in potassium-poor soils.

*Pulcu Excellent Granular PK* is applied as base fertilizer (subsoil) in all plants considering the root depth of the plant.

It is used as base fertilizer (subsoil) in field crops (beet, potato, sunflower, corn, cotton), fruit trees (hard and soft seed fruits, citrus fruits, vineyard, olive, hazelnut and banana) and summer and winter vegetables in almost every region of our country.

*Pulcu Excellent Granular PK* is applied for seed planting or seedling in one-year fields and vegetables by sprinkling or seeding prior to planting, taking into account the root depth of the plant.

Perennial fruit trees, vineyards and olives in the trees 2-3 weeks before the blistering of the trees in the crown projection (away from the trunk) is given as a band and mixed to a depth that does not cut the roots.

## PRODUCED IN DESIRED COLOUR & FORMULATION

### 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



## Description

*Pulcu Excellent Granular DMPP / DCD Inhibitor* minimizes nitrogen losses by delaying the conversion of ammonium ( $\text{NH}_4^+$ ) nitrogen to nitrate ( $\text{NO}_3^-$ ) nitrogen for 6 - 10 weeks, depending on soil temperature.

Thus, it is ensured that the plant makes the 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.

*Pulcu Excellent Granular DMPP / DCD Inhibitor* reduces fertilizer costs by reducing the number and amount of applications.

Delays nitrification, reduces the amount of nitrate in the plant. Thus, the nutritional quality of fruits, vegetables and cereals is improved and their storage life is extended. With a balanced supply of ammonium ( $\text{NH}_4^+$ ), it reduces the pH in the root zone to ideal levels and this ideal level is maintained for a long time thanks to the DMPP inhibitor.

Thus, the uptake of phosphorus and microelements bound in the soil by plants increases.

*Pulcu Excellent Granular DMPP / DCD Inhibitor* mainly promotes feeding. In this case, a significant energy saving is achieved in the plant as compared to the use of Nitrate ( $\text{NO}_3^-$ ).

With this extra energy, the synthesis of phytohormones and polyamines is encouraged to increase flowering and yield.

## Formulations

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



## Description

*Pulcu Excellent Granular UREA 46* is a liquid solution containing inhibitor NBPT. NBPT is capable of delaying the conversion of urea to ammonium form for a certain period of time.

In this way, it prevents nitrogen from being lost as ammonia gas at inappropriate times.

Urea 46 inhibitor became urea resistant.

Nitrogen losses begin with the conversion of urea to ammonia ( $\text{NH}_3$ ) and ammonia ( $\text{NH}_4^+$ ) by applying urea to soil.

This conversion is defined as the hydrolysis of the urea, which is achieved by the urea enzyme.

### Guaranteed Content (w/w)

Nitrogen (N)	46%
Nitrogen Form	UREA
Inhibitor	



### Application

Plants	Kg / decare
Wheat, Barley, Cotton, Canola, Onion	15-20
Corn, Potatoes	40-50
Sugar Beet	20-25



## Description

*Pulcu Sulfur Coated Urea* is a slowly dissolving granular fertilizer and provides plant nutrients with a combination of nitrogen and sulfur during the growing season.

*Pulcu Sulfur Coated Urea* offers slow release up to 12 weeks. This release rate is controlled by soil temperature, which determines the rate of water vapor permeation and fertilizer diffusion. As the temperature increases, the oscillation rate increases.

When the soil comes into contact with moisture, the granules begin to absorb water vapor through the micropores of the coating. The moisture slowly dissolves the urea content. Nitrogen is constantly spread to the soil.

## Guaranteed Content (w/w)

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



*Granules absorb water vapor*



*Moisture slowly dissolves urea*



*Nitrogen spreads slowly*

## Application

### Plants

Farm Plants	20-40 Kg / 1000 m <sup>2</sup>
Trees	1-2 Kg / Tree
Grain and Corn	30-50 Kg / 1000 m <sup>2</sup>
Flooring & Turf	20-40 Kg / 1000 m <sup>2</sup>



## Description

The new drip irrigation and subsoil fertilizer *Pulcu Round AS21* produced by intelligent fertilizer technology has been inhibited (Nitrification with DCDA is inhibited) and contains ammonium nitrogen and high sulfur.

The nitrogen in the product is in the ammonium form in which the plant is used directly. The plant converts nitrogen to ammonia in whatever form it takes.

Ammonium also converts ammonia to acids and proteins. Nitrate in the form of nitrate or urea ( $\text{NH}_2\text{-C-O-NH}_2$ ) after conversion to ammonia ( $\text{NH}_4$ ). The sulfur contained in 60%  $\text{S}_2\text{O}_3$  form is completely water soluble and can be taken by the plant. Sulfur is an important element in plant nutrition especially in protein synthesis. The DCDA (Dicyandiamide) nitrogen it contains prevents the nitrification of ammonium nitrogen and prevents the nitrogen from converting to nitrite.

Thus, the nitrogen used can be taken up by the plant for much longer and remains in the usable form. This fertilization increases the success and saves money.

Especially in alkaline soils with high pH, it helps to lower the pH and also helps the uptake of other nutrients. There is no filling additive other than DCDA and  $\text{NH}_4\text{SO}_4$ , ie it consists of 100 percent inhibitor and fertilizer. It is easily used in drip irrigation systems as well as it is used in underground nitrogen applications and does not cause clogging in the systems.

## Guaranteed Content (w/w)

Total Nitrogen (N)	21%
Ammonium Nitrogen ( $\text{NH}_4\text{-N}$ )	20.4%
Dicyandiamide Nitrogen	0.6%

## Application

Plants	Kg / decare
In Horticulture	15-20 Kg / Da 3 repetition
All Greenhouse Vegetables	20-25 Kg / Da 3 repetition
All Outdoor Vegetables	15-20 Kg / Da 3 repetition
Whole Leaf Eaten Winter Vegetables	15-20 Kg / Da 3 repetition
Melon, Watermelon and Pumpkin	20-25 Kg / Da 3 repetition
All Industrial Plants	20-25 Kg / Da 2 repetition
All Cereal Crops	15-20 Kg / Da 2 repetition
All Fruit Trees	15-20 Kg / Da 2 repetition
Citrus, Banana, Olives, Figs, Nuts	15-20 Kg / Da 2 repetition



### **Organomineral Granular**

The new generation of under oor fertilizers add power to the soil with their chemical and physical structures. Thanks to the organic matter in their structures; correct the structure of the soil.

They help water retention and permeability, enrich the soil poor in organic matter.

They protect the plants from soil and climate stress due to the humic and fulvic acids they contain.

They increase the development of roots and other organs. They facilitate and increase the uptake of macro and micro nutrients needed by the plant from soil.

Thanks to the sulfur in their structure, they have a positive effect on soil pH and make the soil suitable for plant production.

They prevent fixation of macro and micro elements and help to solve the connected ones.

They meet the needs of plants with macro elements in their structures.

Because of these reasons, quality and efficiency increase directly in positive direction.

## *New Generation Organomineral Slow Release Fertilizers*



## Pulcu LeoNPK

### Guaranteed Content (w/w)

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

## Pulcu LeoMikro

### Guaranteed Content (w/w)

Total Nitrogen (N)	9 %
Total Phosphorus (P2O5)	11 %
Organic Matter (Om)	20 %
Total Humic & Fulvic Acids	15 %
Iron (Fe)	1.50 %
Zinc (ZnO)	1.00 %
pH	5-7
Humic Acid Chelated	

## Pulcu BioPower

### Guaranteed Content (w/w)

Total Nitrogen (N)	16 %
Potassium Oxide (K2O)	1 %
Organic Ma er (Om)	30 %
Total Amino Acid	25 %
Copper (Cu)	0.01 %
Total Humic & Fulvic Acids	10 %
Iron (Fe)	0.02 %
Zinc (ZnO)	1.50 %
pH	2-4
Humic Acid Chelated	

## Pulcu LeoMix

### Guaranteed Content (w/w)

Total Nitrogen (N)	9 %
Total Phosphorus (P2O5)	15 %
Potassium Oxide (K2O)	15 %
Organic Matter (Om)	25 %
Total Humic & Fulvic Acids	15 %
Zinc (ZnO)	1 %
pH	5-7
Humic Acid Chelated	

## Pulcu LeoGold

### Guaranteed Content (w/w)

Total Nitrogen (N)	7 %
Potassium (K2O)	17%
Organic Matter (Om)	20%
Total Humic & Fulvic Acids	15 %
pH	5-7
Humic Acid Chelated	

## Pulcu LeoBio

### Guaranteed Content (w/w)

Total Nitrogen (N)	1%
Organic Matter (Om)	20%
Total Sulfur (SO3)	10%
Total Humic & Fulvic Acids	15%
pH	5.5 - 7.5
Humic Acid Chelated	

## Description

*Pulcu LeoNPK* can be used safely in all fruit trees, vineyards and olive groves, hard-shelled fruit trees such as hazelnut, pistachio, summer and winter vegetable cultivation, and in the base fertilization of all field crops such as corn, potato, sugar beet and sunflower.

While the organic matter in the structure increases the fertility of the soil, humic and fulvic acids make useless micro-nutrients in the form usable and provide high yields and high quality products. Slow release Nitrogen, Phosphorus and Potassium is one of the most powerful fertilizers.

Controlled Release Nitrogen and Phosphorus smart fertilizer. It is recommended to be used as subsoil fertilizer. Contains enough nitrogen, phosphorus and potassium. When fertilizer is used, it also increases the effect of fertilizer.

### Guaranteed Content (w/w)

	40%
Total Nitrogen (N)	18%
Total Phosphorus (P2O5)	10%
Potassium (K2O)	25%
Organic Matter (Om)	15%
Total Humic & Fulvic Acids	0.01%
Copper (Cu)	5-7
Ph	
Humic Acid Chelated	

Helps soil clumping and reduces the risk of erosion.

This product reduces the negative environmental impact of pesticides, heavy metals and many pollutants in the soil.

It serves as a carbon and energy source for soil microorganisms. It helps plant growth by increasing the water retention and aeration properties of the soil.

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

## NEW GENERATION ORGANOMINERAL SLOW RELEASE FERTILIZER

### Application

#### Plants

#### Usage Dose Kg/ Decare

Cotton	50-66 kg/decare
Corn	77-115 kg/decare
Sunflower	35-50 kg/decare
Potato	95 - 125 kg/decare
Sugarbeet	60 - 80 kg/decare
Peanut	50-60 kg/decare
Soya Bean	75-90 kg/decare
Tomato - cucumber	50-60 kg/decare
Pepper	60-65 kg/decare
Vineyard	55-75 kg/decare
Citrus	2,0 - 5,5 kg/tree
Olive	1,4 - 3,6 kg/tree
Soft core fruits	2,5 - 4,5 kg/tree
Hard core fruits	1 - 3 kg/tree







**PROFESSIONAL R&D - FAST AND SAFE SHIPMENT - CUSTOMER HAPPINESS**

**LATEST TECHNOLOGY MANUFACTURING PROCESS - BEST QUALITY RAW MATERIALS**

**DESIRED COLOUR & DESIRED FORMULATION**

MANUFACTURING **BEST QUALITY** FERTILIZERS  
FOR **MAXIMUM YIELD** & MAXIMUM **PLANT HEALTH**

## Description

*Pulcu ProChken 5-2-3 + 45 OM* is a natural, organic, human and environmentally friendly fertilizer obtained from the fermentation of chicken droppings in cool conditions.

*Pulcu ProChken 5-2-3 + 45 OM* is an organic fertilizer in pellet form that helps plant growth by increasing the water retention and aeration properties of soils. Facilitate the penetration of plant roots in the soil by making the soil easier to treat. Helps soil clustering and reduces erosion hazard.

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

*Pulcu ProChken 5-2-3 + 45 OM* serve as a source of carbon and energy to soil microorganisms.

## Guaranteed Content (w/w)

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

## Application

### Plants

Wheat	120-170 Kg/Decare
Corn	150-200 Kg/Decare
Cotton	150-225 Kg/Decare
Rice / Sunflower	120-200 Kg/Decare
Beet / Onion	120-200 Kg/Decare
Potato	175-250 Kg/Decare
Tomato pepper	120-220 Kg/Decare
Cucumber / Beans	120-220 Kg/Decare
Tobacco	80-75 Kg/Decare
Strawberry	160-190 Kg/Decare



## Description

*Pulcu ProChken 4-4-4+45 Om* is a healthy and environmentally friendly basic fertilizer. Soil contains many organic substances as a food source for life. Soil quality is continuously improved and humus formation is encouraged. Improves the microbiological activity, structure, ventilation and water balance of agricultural land. *Pulcu ProChken 4-4-4+45 Om* also supports the growth of plant roots by increasing the capacity of the plant to absorb nutrients. It limits disease and increases yield.

In addition to minerals and organic matter, *Pulcu ProChken 4-4-4+45 Om* contains a large number of trace elements (Fe, Mn, B, Mo, Zn and Cu) to maintain long-term soil fertility. Trace elements have an important function and are essential nutrients for the plant. Trace elements are also required for water balance, photosynthesis, cell division, fertility and protein metabolism of plants.

Because of the high organic content of minerals, they are slowly released to the plant, providing the plant with a gradual nutrient supply.

## 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

## Application

### Plants

Wheat	200-270 Kg/Decare
Corn	200-270 Kg/Decare
Cotton	170-250 Kg/Decare
Rice / Sunflower	1-6 Kg/Decare
Beet / Onion	1-5 Kg/Decare
Potato	1-3 Kg/Decare
Tomato pepper	1-5 Kg/Decare
Cucumber / Beans	5-6 Kg/Decare
Tobacco	1-5 Kg/Decare
Strawberry	3-5 Kg/Decare



## Description

*Pulcu Expert Sc*, impurity from first class raw materials is a homogeneous suspension (gel) fertilizer produced without. Free of chlorine, sodium and heavy metals.

*Chlorine-free sodium and heavy metals.*

*It contains high sulfur with low soil pH, which increases the availability of plant nutrients.*

*It contains all chelated trace elements, making it more suitable for plants.*

*Suitable for fertilization and leaf applications.*

*It can be mixed with other fertilizers and agricultural chemicals.*

## Pulcu Expert Sc 9-6-46+0.5MgO+TE

### Guaranteed Content (w/w)

Total Nitrogen (N)	9%
Phosphorus(P2O5)	6%
Potassium Oxide (K2O)	46%
Magnesium (MgO)	0.5%
Boron (B)	0.1%
Copper (Cu)	0.1%
Iron (Fe)	0.2%
Manganese (Mn)	0.1%
Zinc (ZnO)	0.2%

**ENRICHED WITH AMINO ACID, ORGANIC MATTER,  
ENZYMES AND VITAMINS**

## Application

### Plants

Fruit Trees	1-2 Kg / Decare	1 application 10-15 days interval
Corn	1-1.5 Kg/ Decare	1 application 10-15 days interval
Cereals	1-1.5 Kg / Decare	1 application 10-15 days interval
Potato	2-3 Kg / Decare	1 application 10-15 days interval
Vegetables	1-2 Kg / Decare	1 application 10-15 days interval
Tobacco	1-1.5 Kg / Decare	1 application 10-15 days interval
Vetch and clover	1-1.5 Kg / Decare	1 application 10-15 days interval
Flowers	1-1.5 Kg / Decare	1 application 10-15 days interval



## Description

*Pulcu Expert SC Zinc 70%* is a fully formulated, flowable gel micronutrient fertilizer containing high amounts of zinc for leaf and soil applications to prevent and treat a wide range of zinc deficiencies.

*Especially recommended where zinc deficiency appears*

*Accelerates root growth*

*Encourages flowering*

*Almost 8 times more zinc than a typical liquid chelate*

*4-5 times more Zn than "typical" liquid*

*Stable suspension concentrate formulation*

## Guaranteed Content (w/v)

Zinc (ZnO) 70%

## Application

### Plants

Apple pear	Apply 1 to 2 l / ha in a bud and at the end of flowering.
Carrot	Apply 1 l / ha when the product is 15 cm tall.
Cereals	After 2 leaf phase, 1 l / ha is applied.
Cherry, Plum	In winter bud, pink bud and after harvest, 1-2 lt / ha is applied before leaf aging.
Conifer Trees	Apply 1 L / ha 2 times in the new season leaf formation and early autumn.
Leek	1 l / ha is applied when the crop is 15 cm tall, two weeks after planting or in the case of crops planted directly.
Sugar beet	Apply 1 lt / ha in 4-6 leaf stage. Repeat at intervals of 10 to 14 days for moderate to severe deficiency.
Potato	1 l / ha a week after 100% formation. For moderate to severe deficiency, repeat at intervals of 10 to 14 days applications may be required.
Onion	1 lt / ha when there is enough leaf area to cut the spray. Water ratio: 200 l / ha



## Pulcu Expert SC 10-50-10 + 0.5Mg + TE

The formula is high phosphorus content to promote **root growth**.

### Guaranteed Content (w/v)

Total Nitrogen (N)	10%
Phosphorus (P2O5)	50%
Potassium (K2O)	10%
Magnesium (MgO)	0.5%
Boron (B)	0.1%
Copper (Cu)	0.1%
Iron (Fe)	0.2%
Manganese (Mn)	0.1%
Zinc (ZnO)	0.2%

EDTA CHELATE

Organic Matter + Vitamins + AminoAcid + Enzymes

## Pulcu Expert SC 15-25-0 + 0.5MgO + TE

The formula is high phosphorus content to promote **root growth**.

### Guaranteed Content (w/v)

Total Nitrogen (N)	15%
Phosphorus (P2O5)	25%
Magnesium (MgO)	0.5%
Boron (B)	0.1%
Copper (Cu)	0.1%
Iron (Fe)	0.1%
Manganese (Mn)	0.1%
Zinc (ZnO)	0.2%

EDTA CHELATE

Organic Matter + Vitamins + AminoAcid + Enzymes

## Pulcu Expert SC 12-0-60 + 0.5MgO + TE

It is produced for **fruit development** with high potassium formula.

### Guaranteed Content (w/v)

Total Nitrogen (N)	12%
Potassium (K2O)	60%
Magnesium (MgO)	0.5%
Boron (B)	0.1%
Copper (Cu)	0.1%
Iron (Fe)	0.2%
Manganese (Mn)	0.1%
Zinc (ZnO)	0.2%

EDTA CHELATE

Organic Matter + Vitamins + AminoAcid + Enzymes

## Pulcu Expert SC 40-10-10 + 0.5MgO + TE

It is a high nitrogen content growth formula to promote **vegetative growth**.

### Guaranteed Content (w/v)

Total Nitrogen (N)	40%
Phosphorus (P2O5)	10%
Potassium (K2O)	10%
Magnesium (MgO)	0.5%
Boron (B)	0.1%
Copper (Cu)	0.1%
Iron (Fe)	0.2%
Manganese (Mn)	0.1%
Zinc (ZnO)	0.2%

EDTA CHELATE

Organic Matter + Vitamins + AminoAcid + Enzymes

## Pulcu Expert SC 12-61-0 + TE (MAP)

Mono ammonium phosphate suspension formula for **plant nutrition**.

### Guaranteed Content (w/v)

Total Nitrogen (N)	12%
Phosphorus Penta Oxide (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 + AminoAcid + Enzymes

## Pulcu Expert SC SC CalMag

Produced to **improve fruit quality** and eliminate calcium deficiency.

### Guaranteed Content (w/v)

Total Nitrogen (N)	10%
Calcium (CaO)	8%
Magnesium (MgO)	3%
Boron (B)	0.1%
Copper (Cu)	0.1%
Iron (Fe)	0.2%
Manganese (Mn)	0.1%
Zinc (ZnO)	0.2%

EDTA CHELATE

Organic Matter + Vitamins + AminoAcid + Enzymes

## Pulcu Expert SC25-25-10 + 0.5 MgO + TE

Multipurpose formula for **general growth**.

### Guaranteed Content (w/v)

Total Nitrogen (N)	25%
Phosphorus (P2O5)	25%
Potassium (K2O)	10%
Magnesium (MgO)	0.5%
Boron (B)	0.1%
Copper (Cu)	0.1%
Iron (Fe)	0.2%
Manganese (Mn)	0.1%
Zinc (ZnO)	0.2%
EDTA CHELATE	
Organic Matter + Vitamins + AminoAcid + Enzymes	

## Pulcu Expert SC SC 9-6-46 + 0.5MgO + TE

It is an extra potash formula to **increase fruit size and improve fruit quality**. It also increases **fruit shelf life** and fruit resistance after harvest.

### Guaranteed Content (w/v)

Total Nitrogen (N)	9%
Phosphorus (P2O5)	6%
Potassium (K2O)	46%
Magnesium (MgO)	0.5%
Boron (B)	0.1%
Copper (Cu)	0.1%
Iron (Fe)	0.2%
Manganese (Mn)	0.1%
Zinc (ZnO)	0.2%
EDTA CHELATE	
Organic Matter + Vitamins + AminoAcid + Enzymes	

## Pulcu Expert SC Nitro 35-0-0+ 0.5 MgO + TE

It is a high nitrogen content growth formula to promote **vegetative growth**.

### Guaranteed Content (w/v)

Total Nitrogen (N)	35%
Magnesium (MgO)	0.5%
Boron (B)	0.1%
Copper (Cu)	0.1%
Iron (Fe)	0.2%
Manganese (Mn)	0.1%
Zinc (ZnO)	0.2%
EDTA CHELATE	
Organic Matter + Vitamins + AminoAcid + Enzymes	

# Pulcu Expert SC

*Pulcu Expert SC is a high quality, economical and concentrated product that meets your product needs.*

*Homogeneous suspension with suitable formula that can be applied in all stages of plants.*

*Pulcu Expert SC is produced from high quality raw materials without impurity.*



## Pulcu Expert SC Calcinit

*Pulcu Expert SC Calcinit* is a micronutrient fertilizer containing high concentrations of calcium to control and reduce calcium-related disorders in the highest fruits and other crops for leaf fruit.

### Guaranteed Content (w/v)

Total Nitrogen (N)	10%
Phosphorus (P2O5)	50%
Potassium (K2O)	10%
Magnesium (MgO)	0.5%
Boron (B)	0.1%
Copper (Cu)	0.1%
Iron (Fe)	0.2%
Manganese (Mn)	0.1%
Zinc (ZnO)	0.2%
EDTA CHELATE	
Organic Matter + Vitamins + AminoAcid + Enzymes	



## Pulcu Expert SC OrgaMicro

*Pulcu Expert SC OrgaMicro* is a special gel fertilizer with a high content of organic matter, enriched with amino acids and vitamins, which you can safely apply from fruit to harvest.

### Guaranteed Content (w/v)

Magnesium (MgO)	3%
Sulphur (So3)	5%
Copper (Cu)	1%
Iron (Fe)	2%
Manganese (Mn)	2%
Zinc (ZnO)	2%
Organic Matter (Om)	30%
Amino acid and Vitamins	





### *Pulcu Expert SC Micro Fe*

*Pulcu Expert SC Micro Fe* is a special gel fertilizer with high organic matter content, enriched with amino acids and vitamins that you can safely use to meet the microelement deficiencies of your plants such as iron, copper, manganese and zinc.

#### **Guaranteed Content (w/v)**

Iron (Fe)	8.4%
Copper (Cu)	3.75%
Manganese (Mn)	4.5%
Boron (B)	1.6%
Zinc (ZnO)	5.5%
Organic Matter (Om)	15%



### *Pulcu Expert SC Copper*

*Pulcu Expert SC Copper* contains 19% Copper (Cu) for the supply of medicinal and preventive micronutrients applied to horticulture and agricultural products.

Since *Pulcu Expert SC Copper* has a very low EC, it is also suitable for use in high radiation climates.

#### **Guaranteed Content (w/v)**

Copper (Cu)	19%
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## 2P Special Liquid Fertilizers

### Description

*2P Special Leaf and Soil Liquid Fertilizers* contain vitamins, aminoacids and higher (micro-nutrient) primary (NPK) nutrients than powder fertilizers. Therefore, it can be used easily in cases where micronutrient requirement is more intensive.

*2P Special Leaf and Soil Liquid Fertilizers* provide fast nutrient uptake and chlorophyll in the plant and give plant resistance against diseases.

Pulcu encompasses a wide range of leaf feeding and coating products developed specifically for micronutrient applications, developed as leaf spray, seeds and soil application with fertilizer coating or fertilizing systems.

Each product is designed and formulated from the beginning for use in agriculture and horticulture.



Manufacturing for  
Maximum Yield  
&  
Maximum Plant Health

Available in 250 cc - 500 cc - 1 L - 5 L - 20 L bottles and cartridges

## Description

Due to the intensive fertilization of the soils, salinity is formed and thus yield losses occur. Fertilizers start to accumulate in the soil with fertilization and cause salinity.

Over time, these soils become barren and inefficient.

Especially in tomatoes, fruits remain small and other plants cause growth disorders. Flowering and fruit growth slows.

**2P Salinity** relieves stressed plant roots due to intensive fertilization and removes the sodium that accumulates in the soil and causes salinity. Removes the hardness of water. Irrigation water and soil by regulating the pH of the plant has the property of relaxing and facilitates the uptake of macro and micro elements. Due to salinity and high pH, yield losses occur in all vegetables and fruit trees.

With a regular use of **2P Salinity**, this loss is reduced to a minimum.

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## Guaranteed Content (w/w)

Calcium (CaO)	14%
Nitrogen (N)	8%
Polycarboic Acid	6%
Maleic Acid	4%
Organic Matter + Vitamins + Amino Acid + Enzymes	

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## Application

**Foliar Application** 150-200 cc / 100 lt water

**Soil Application** 1000 - 2000 lt / decare

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## Application Suggestions

<b>Depending on the quality of water</b>	Very Salty (> 2.5 g / l)	: 50-100 ml / m3
	Saline (1.5-2.5 g / l)	: 25-50 ml / m3
	Moderate saline (<1.5g / l)	: 10-25 ml / m3

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<b>Depending on the texture of the soil</b>	Compact or waterproof floor	: 45-70 l / ha
	Dry and cracked soil	: 70-100 l / ha

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## Description

*2p CalciBore*, L.P.C.A and because it is complex with amino acids facilitates the calcium uptake of the plant. It is a leaf fertilizer that prevents problems caused by calcium in plants.

*2p CalciBore* increases the hardness of the fruit, increases the storage life and transport resistance of the fruit and provides resistance against cracking.

*2p CalciBore* is very effective in combining carbon and strengthening the grains in vineyards. *2p CalciBore* acts as a regulator for the removal of other nutrients in plants and the deposition of toxic substances in plants and soil.

*2p CalciBore* is an important nutrient necessary for plant health, especially at growth and development points. It is effective in removing the EC value of the irrigation water (salinity from sodium).

Ca replaces Na in the soil and releases Sodium (Na) to wash the soil with water.

Its most important feature is that its mixture with other drugs and fertilizers is smooth.

## Guaranteed Content (w/w)

Calcium (CaO)	14%
Nitrogen (Nitrate Nitrogen)	8%
Boron (B)	0.3%
Organic Matter + Vitamins + Amino Acid + Enzymes	



## Application

### Plants

All Vegetables  
Melon, Watermelon, Pumpkin  
Olives, Pistachios, Hazelnuts  
Citrus, Banana, Kiwi, Avocado  
Apple, Pear, Cherry, Apricot, Plum etc.  
Vineyards  
Chickpeas, Lentils, Soy, Beans  
Cotton  
Sugar Beet, Onion, Carrot  
Forage Crops  
Cereals

### Period

2-3 applications after the first fruit attitude before flowering  
2-3 applications with 10 days interval after arm throwing period  
Leaf application 2 applications with 15 days interval from the beginning of flower  
Fruit attitude and 3-4 applications in every period needed during the whole shoot period  
In summer shoots and when fruits reach walnut size, a total of 3-4 applications  
3-4 applications from leaves in each period needed from sowing to harvest  
3-4 leaf period and again after 20 days  
2-3 applications with 10-15 days intervals from comb formation  
5-7-leaf period and again after 20 days  
One month after sowing after each mowing  
At tillering period

### Foliar

250-300 cc / 100 lt water  
250-300 cc / 100 water  
250-300 cc / 100 water  
250-300 cc / 100 water  
250-300 cc / 100 water  
250-300 cc / 100 water  
250-300 cc / 100 water  
250 cc / 100 water  
250 cc / 100 water  
250 cc / 100 water

## Description

**2P Potalex** is a special product designed to eliminate the coloration problems of fruits and vegetables quickly. Besides potassium, uronic acid contains many organic acids including aldonic acid, carboxylic acid and carbonic acid.

**2P Potalex** is a special source of potassium that provides natural coloration of all fruits and vegetables thanks to its carboxylic acids, liquid Co2 and High uronic acid. It improves quality with its effect on color, aroma and taste in fruits and vegetables.

Increase the specific gravity of the fruit by increasing the amount of **2P Potalex** dry matter.

It provides both quality and weight to increase the income of the farmer.

It increases the resistance of all kinds of plants to adverse conditions, diseases and pests.

## Guaranteed Content (w/w)

Nitrogen (N)	4%
Potassium (P)	30%
EDTA Chelated	
Organic Matter + Vitamins + Amino Acid + Enzymes	



## Application

Plants	Period	Soil Application	Foliar
Greenhouse Vegetables	When plant height is 10 cm, it is applied in every irrigation until the end of harvest.	400-2000 cc / da	200-400 cc
Open Field Vegetables	When plant height is 10 cm, it is applied in every irrigation until the end of harvest.	400-2000 cc / da	200-400 cc
Lettuce, Cabbage, Leek, Spinach etc.	When plant height is 10 cm, it is applied in every irrigation until the end of harvest.	400-2000 cc / da	200-400 cc
Melon, Watermelon, Zucchini, Carrot etc.	When plant height is 10 cm, it is applied in every irrigation until the end of harvest.	400-2000 cc / da	200-400 cc
Cut Floriculture and Ornamental Plants	When plant height is 10 cm, it is applied in every irrigation until the end of harvest.	400-2000 cc / da	200-400 cc
Vineyard	After fruit formation in early spring and in autumn	400-2000 cc / da	200-400 cc
All stone and soft-core fruit trees	When the size of fruits in early spring comes to the size of nuts, and in autumn	400-2000 cc / da	200-400 cc
Citrus fruits, Bananas, Olives etc.	When the size of fruits in early spring comes to the size of nuts, and in autumn	400-2000 cc / da	200-400 cc
Industrial Plants	When plant height is 10 cm, it is applied in every irrigation until the end of harvest.	400-2000 cc / da	200-400 cc
Field Crops (Wheat, Barley, Rice etc.)	Applied together with herbicides	-----	200-400 cc

## Description

2P Fosfozine has a neutral (6.8 - 7) pH.

For this reason, it does not harm flower, delicate plant leaves and shoots in leaf applications. The high percentage of phosphorus in its content moves 3-4 times faster in both soil and plant than medium phosphorus.

Particularly in winter or cool weather, ortho phosphorous fertilizers work well in conditions that can not work and meet the phosphorus need of the plant.

2P Fosfozine is located in the A.T.P (adenosine tri phosphate) structure used by the plant as energy. Provides energy to the plant.

2P Fosfozine is a fertilizer that must be used especially for producers who grow under cover.

Increases resistance to stress.

Promotes flower and root growth.

## Guaranteed Content (w/w)

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



## Application

### Foliar Application

Greenhouses & Strawberry	:	250-300 cc / 100 lt water
Open Field Vegetables & Vineyards	:	350-400 cc / 100 lt water
Fruit Trees	:	450-500 cc / 100 lt water

### Soil Application

Greenhouses & Strawberry	:	2000 - 2500 cc / decare
Open Field Vegetables & Vineyards	:	3500 - 4000 cc / decare
Fruit Trees	:	4000 - 5000 cc / decare



***PULCU***

MANUFACTURING  
BEST QUALITY  
FERTILIZERS & PESTICIDES  
FOR WHOLE WORLD FARMERS



## 2P PLUS

### Guaranteed Content (w/w)

Total Nitrogen (N)	4%
Phosphorus (P2O5)	7%
Potassium (K2O)	9%
Boron (B)	0.05%
Copper (Cu)	0.02%
Zinc (ZnO)	0.1%
Iron (Fe)	0.02%
Manganese (Mn)	0.1%



## 2P AMINO

### Guaranteed Content (w/w)

Total Nitrogen (N)	5%
Phosphorus (P2O5)	7%
Potassium (K)	4%
Free Amino Acid	25%
Total Organic Matter (Om)	40%
Vitamins + Enzymes	



## 2P GOLD

### Guaranteed Content (w/w)

Total Nitrogen (N)	12%
Phosphorus (P2O5)	9%
Potassium (K2O)	6%
Boron (B)	0.05%
Copper (Cu)	0.02%
Zinc (Zn)	0.1%
Iron (Fe)	0.02%
Manganese (Mn)	0.1%
Organic Matter + Vitamins + Amino Acid	



## 2P GREEN

### Guaranteed Content (w/w)

Total Nitrogen (N)	16%
Phosphorus (P2O5)	3%
Potassium (K2O)	3%
Organic Matter	
Vitamins + Amino Acid + Enzymes	



## 2P KST

### Guaranteed Content (w/w)

Potassium (K2O)	25%
Sulfur (S03)	42%
Potassium Thio Sulfate (transparent)	



## 2P CAL-L

### Guaranteed Content (w/w)

Total Nitrogen (N)	10%
Nitrate Nitrogen (N)	10%
Organic Matter (Om)	15%
Calcium Oxide (CaO)	12%





## 2P ROOT

### Guaranteed Content (w/w)

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



## 2P CAL

### Guaranteed Content (w/w)

Total Nitrogen (N)	8.5%
Nitrate Nitrogen (N)	8.5%
Calcium (CaO)	16%
Organic Matter + Vitamins + AminoAcid + Enzymes	



## 2P EQUALIBRO

### Guaranteed Content (w/v)

Nitrogen (N)	10%
Phosphorus (P2O5)	10%
Potassium (K2O)	10%
Free Amino Acid	20%



## 2P NITRO

### Guaranteed Content (w/w)

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



## 2P WAVE

### Guaranteed Content (w/w)

Potassium (K2O)	15%
EDTA	1%
Free Amino Acid	5%
Seaweed Extract	5%



## 2P POTAS

### Guaranteed Content (w/w)

Total Nitrogen (N)	3%
Urea Nitrogen	3%
Potassium (K2O)	30%
EDTA	3%
Organic Substance + Uronic Acid + Amino acid	



## 2P KAL POTAS

### Guaranteed Content (w/w)

Nitrogen (N)	6%
Potassium (K2O)	27%
Magnesium (MgO)	4%
Calcium (CaO)	6%
Organic Matter	
Vitamins	
Amino Acid	
Enzymes	



## 2P CAOS

### Guaranteed Content (w/w)

Total Nitrogen (N)	2%
Potassium (K2O)	20%



## 2P FLORA

### Guaranteed Content (w/w)

Total Nitrogen (N)	3%
Phosphorus (P2O5)	25%
Zinc (ZnO)	5%
BNOA - NAA - Amino acid	



## 2P TEK

### Guaranteed Content (w/w)

Total Nitrogen (N)	8%
Total Phosphorus (P2O5)	5%
Total Potassium (K2O)	10%
Boron (B)	0.05%
Copper (Cu)	0.02%
Zinc (Zn)	0.1%
Iron (Fe)	0.02%
Manganese (Mn)	0.1%



## 2P SILVER

### Guaranteed Content (w/w)

Total Nitrogen (N)	2%
Phosphorus (P2O5)	9%
Potassium (K2O)	14%
Boron (B)	0.05%
Copper (Cu)	0.02%
Zinc (Zn)	0.1%
Iron (Fe)	0.02%
Manganese (Mn)	0.1%



## 2P MOB FLO

### Guaranteed Content (w/w)

Phosphorus (P2O5)	21%
Potassium (K2O)	13.7%
Boron (B)	5%
Molybdenum(MO)	7.5%

### Description

**2P PH** is a biological stimulant and pH regulator consisting of low molecular weight organic compounds with only highly acidified leaves.

It helps to use active substances that are blocked at high pH.

And also, PH can complex (chelate) and heal the assimilation nutrients and active substances contained in the same mixture.

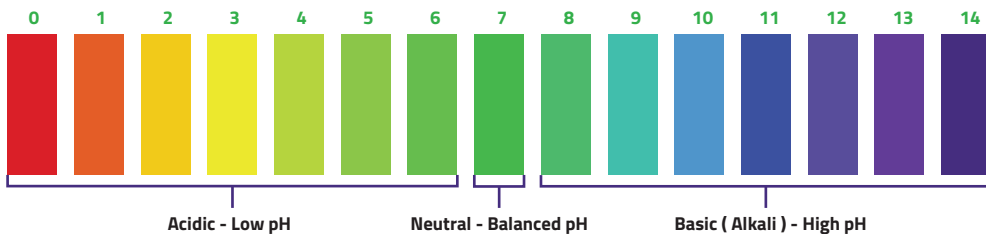
The assimilation of these organic acids by the plant strengthens the process of photosynthesis by bringing most of the necessary energy to the plant thanks to these organic components, which are easily assimilated with leaves.

### Guaranteed Content (w/w)

Organic Acids	70%
---------------	-----

### Application

It is recommended to apply about 1-3 liters per decare.



# 2P Cytokin

## Description

**2P Cytokin** is a natural product containing kinetin. **2P Cytokin** is obtained from four different organic matters and is a great product of the combination of the different characteristics.

**2P Cytokin** is produced naturally at the tips of the growing capillary roots of plants. It starts to spread from the roots and reaches every part of the plant. Thus, plant nutrients are taken from the soil, nutrients are carried to the roots, leaves and fruits, encourages cell division and growth, the formation of female flower eyes and female flowers against male flower eyes.

**2P Cytokin** does not harm bees, insects that serve pollination and other living organisms in nature. It does not contain live organism in its composition. Since it does not contain any toxic chemicals, it is safe to use and transport. It does not leave residue after application. It can be used with all kinds of spraying tools. It can be used by mixing with pesticides, leaf fertilizers and spreading adhesives.

## Guaranteed Content (w/w)

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



Plants	Application
Cotton	The first application is done at the beginning of flowering at a dose of 60 cc/da, the second application is done at the same dose 2-3 weeks after the first application.
Vineyard	The first application is done in 100 Lt water at a dose of 75 cc when eyes burst. 2. application in the flowering phase (when the shoots reach 40-45 cm of paint). The third application is made in the same dose 2-4 weeks before harvest.
Fruit Trees	Apple, Pear, Peach, Citrus, Plum, Apricot, Cherry 100 Lt water is mixed with CYTOKIN in a dose of 60 cc and this mixture is sprayed in the following periods: a - When the eyes burst, b - 1 week after the crown leaves fall out c - 2-3 weeks after the second application
Vegetables	It is applied in a dose of 60 cc/da in the period of 6-8 leaves. It is repeated at the same dose at intervals of 7-14 days and during the production season.
Potatoes	At the beginning of the tuber formation (3-4 weeks after exit), it is applied at a dose of 60 cc per decare. It is repeated in the same dose after 2 weeks.
Banana	250 cc dose is given from a drip irrigation system for a good root formation. In a 2-3 leaf circuit, it is sprayed to the leaves in a dose of 60 cc in 100 Lt water.
Corn	The first application is done at a dose of 60 cc per decare in the period of 6-8 leaves. When the tassel is removed, it is repeated in the same dose.
Strawberry	It is started to be applied in a dose of 60-80 cc per decare. It is repeated at 7-14 day intervals during the production season....
Cereals	At the end of tillering, it is applied in a dose of 60 cc per decare. Herbicide is used by mixing with herbicides during the application period.

## Description

Provides homogeneous spreading of plant nutrition products used in pesticides and leaves to plant setting very quickly.

It provides optimum data from the dose applied due to homogeneous spread.

Prevents droplets formation and prevents burns due to local overdose.

Due to its spreading properties, it prevents the flow of drugs and fertilizers to the soil.

It enables the pharmaceutical and fertilizers to reach the plant parts that cannot be reached by pulverization.

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## Guaranteed Content (w/w)

% 100 Silicone-polyester copolymer

Polyalkyleneoxide Modified

Hepta metil trisiloksano

---

## Application

Insecticide, Fungicide, Acaricides, Plant Growth Regulators,  
Liquid Fertilizers and Micro Nutrients with 100 liters of water 10 ml  
25 ml per 100 liters of water with herbicides and defoliants  
40 ml per 100 liters of water for air applications



## 2P Phosphite

**2P Phosphite** provides excellent protection against fungi and some bacterial diseases, especially mildew.

It increases the production of phytoalexin and improves the immune system against pathogens. It is transported in both Phloem and Xylem.

It is a liquid fertilizer containing Phosphorus and Potassium at the highest rate.

Phosphorus It is in the form of phosphite ions obtained from phosphorous acid.

Therefore, uptake by the plant is 4 times higher than normal phosphate.

Removes quickly from both leaves and roots

Increases body diameter

Increases fruit weight and yield

Leaves no residue

4 times faster than normal phosphate



### 2P Phosphite

#### Guaranteed Content (w/v)

Phosphorus (P2O5)	30%
Potassium (K2O)	20%

## 2P Nitro 30

**2P Nitro 30** Special nitrogen solution, urea form, minimum biurea content. Maximum safety in foliar

applications does not cause phytotoxicity problems due to lack of biureas.

It is easy and convenient because it is a buffered solution with PH color indicator.

An efficient solution as an agricultural chemical product and foliar fertilizer adjuvant.

Efficient and fast nitrogen solution in difficult situations. Nitrogenous liquid solution with urea form and minimum biurea content (> 0.05% w / v) Recommended for foliar application and indicated for the prevention and correction of deficiencies and imbalances in nitrogen assimilation.



### 2P Nitro 30

#### Guaranteed Content (w/v)

Total Formaldehyde Nitrogen	30%
Urea Nitrogen	30%
Bi-urea	%>0.05

## 2P Washing

In fruit and vegetables, it has a great cleaning feature against the pollution on the surface of the fruit and leaf. It creates an environment that prevents some pests to settle on the plant surface.

As a tensile active product, it is activated by contact. This product should only be mixed with other contact-active products that affect and strengthen its operation.



### 2P Washing

#### Guaranteed Content (w/v)

Saponin	35%
Vegetable Extracts	65%

## 2P Covering

For fast growing products (vegetables and fruit varieties) it is recommended to divide the application into two. 50% of the initial application, the remaining 50% after a few days is administered.

This application strengthens the membrane and increases the protection of the new product. For maximum effect a few days before the start of bad weather, the lower surface of the leaves, including the petiole, is completely covered. Untreated areas suffer atmospheric damage.



### 2P Covering

#### Guaranteed Content (w/v)

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

## 2P Silisium

**2P Silisium** improves the resistance of plants in difficult situations caused by climatic and environmental conditions (drought, coldness, heat wave, salinity, toxicity of chemical elements), increases the photosynthetic ability of plants, promotes enzymatic activity and accelerates the metabolic function of plants.

It is recommended to use 250 grams in 100 liters of water.

Drip; 2.5 kg minimum 15 applications with 15 - 20 days intervals.

Foliar; 250 cc is applied to 100 liters of water.

No spreader-glue is required. It mixes with everything except copper, sulfur, etc.

Preliminary testing should be performed before mixing.



### 2P Silisium

#### Guaranteed Content (w/v)

Nitrogen (N)	3%
Organic Matter (Om)	30%
Humic & Fulvic Acid	22%
Amino acid	2%
Silisium	1%

## 2P Selenium

**2P Selenium** in the soil is the main source of selenium in the plant and selenium in the atmosphere is one of the sources of selenium. Application of selenium to the soil or spraying the selenium solution onto the vegetation can increase the selenium content of the plant.

Plants need micro elements for continuous growth.

**2P Selenium** helps the plant grow and increase its resistance.

For foliar application, it is recommended to mix to 75- 100 cc / 100 lt water.



### 2P Selenium

#### Guaranteed Content (w/v)

Nitrogen (N)	5%
Free Amino Acid	22%
Selenium	10%
Organic Matter + Organic Carbon	

## Description

**2P Fenuron** improves the resistance of plants in difficult situations (drought, cold, heat wave, salinity, toxicity of chemical elements) caused by climatic and environmental conditions. It affects the photosynthetic ability of plants, promotes enzymatic activity and accelerates the metabolic function of plants.

250 gr is applied to 100 liters of water.  
Drip; 2.5 kg minimum 15 applications with 15 - 20 days intervals.  
Foliar; 250 cc is applied to 100 liters of water.  
No spreader-glye is required.  
It mixes with everything except copper, sulfur, etc.  
Preliminary testing should be performed before mixing.

## Guaranteed Content (w/w)

Nitrogen (N)	3 %
Organic Matter (Om)	30 %
Amino acid	2 %
Silisium	1 %
CPPU (FORCHLORFENURON)	1 %



Available in 250 cc - 500 cc - 1 lt - 5 lt - 20lt bottles and Big Tanks



A close-up photograph of an orange tree branch. The branch is covered with vibrant green leaves, some of which are glistening with water droplets. Several ripe, orange-colored fruits are visible, along with a single white flower with a yellow center. The background is a soft, out-of-focus blue sky.

MAXIMUM YIELD  
MAXIMUM PLANT HEALTH

### Description

*Pulcu Nano Organic Series* is a new concept for plant developers. Nano Organic was obtained by controlled bacterial fermentation and complexed with specific amino acids with fulvic acids. It is a mixture of micro elements, microbial and organic substances.

*Pulcu Nano Organic Series* also contains vitamins, enzymes, auxins, anti-oxidants that increase the amount of anti-oxidant in plants and fruits.

Nano Organics contribute to increase the fruit volume, color and brix degree of the fruits in different phenological stages with the polysaccharides it contains. Nutrients such as NPK, Fe, Zn and betaines, proteins, enzymes, auxins and vitamins were added to enrich the nano organics. The polysaccharides in it increase mycorrhizal fungi in the soil and provide mycorrhization.



*Pulcu  
Nano Spesific Special Liquid Fertilizers*

*Value to the soil  
Efficiency to the crop!*

Available in 250 cc - 500 cc - 1 Lt - 5 Lt - 20lt bottles and Big Tanks



### 2P Nano Bio

#### Guaranteed Content (w/w)

Organic Nitrogen (N)	2.5 %
Potassium Oxide (K <sub>2</sub> O)	2.5 %
Organic Matter (Om)	32 %
Humic & Fulvic Acids	19 %
Free amino acids	10 %
Ph	5,5 - 6,0



### 2P Nano Gibb

#### Guaranteed Content (w/w)

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



### 2P Nano Aqua

#### Guaranteed Content (w/v)

Organic Nitrogen (N)	2 %
Oligosaccharides	25 %
Free Amino Acid	10 %
Organic Matter (Om)	25 %
Fulvic Acid	15 %
Vitamin B1-B6-B12 Complex	



### 2P Nano Plus

#### Guaranteed Content (w/w)

Organic Nitrogen (N)	2 %
Total Nitrogen (n)	7 %
Phosphorus (P <sub>2</sub> O <sub>5</sub> )	4 %
Potassium (K <sub>2</sub> O)	7 %
Organic Matter (Om)	35 %
Organic Carbon	20 %
(NAA)	



### 2P Nano Active

#### Guaranteed Content (w/w)

Organic Nitrogen (N)	1.6 %
Total Nitrogen (N)	8 %
Phosphorus (P <sub>2</sub> O <sub>5</sub> )	4 %
Potassium (K <sub>2</sub> O)	8 %
Organic Carbon	15 %
Organic Matter (Om)	25 %
Free Amino Acid	4 %



### 2P Nano Fito

#### Guaranteed Content (w/w)

Total Nitrogen (N)	7 %
Organic Nitrogen (N)	1.6 %
Potassium (K <sub>2</sub> O)	15 %
Organic Matter (Om)	35 %
Free Amino Acid	10 %
Uronic Acid	



### 2P Nano Amin

#### Guaranteed Content (w/w)

Nitrogen (N)	3 %
Potassium (K <sub>2</sub> O)	4 %
Organic Matter (Om)	45 %
Organic Carbon	15 %
Free Amino Acid	12 %



### 2P Nano Fos

#### Guaranteed Content (w/w)

Total Nitrogen (N)	1%
Potassium (K <sub>2</sub> O)	3%
Free Amino Acid	7%
Molybdenum (Mo)	0.7%
Folic acid	0.3%



### 2P Nano Exper

#### Guaranteed Content (w/w)

Total Nitrogen (N)	8 %
Organic Nitrogen (N)	2 %
Potassium (K <sub>2</sub> O)	6 %
Organic Matter (Om)	25 %
Organic Carbon	15 %
Free Amino Acid	24 %



### 2P Nano Tek

#### Guaranteed Content (w/w)

Organic Nitrogen (N)	4 %
Potassium (K <sub>2</sub> O)	20 %
Organic Matter (Om)	30 %
Humic & Fulvic Acid	25 %
Free Amino Acid	7.0 %

ANTI-OXIDANTS -  
ENRI  
WI  
SNIX

VITAMINS -  
ENZYMES -  
MINERALS -  
HORMONES -  
GROWTH REGULATORS



### 2P Nano Alga

#### Guaranteed Content (w/w)

Total Nitrogen (N)	1.2 %
Potassium (K <sub>2</sub> O)	3 %
Organic Matter (Om)	30 %
Free Amino Acid	6 %
Alginic Acid	0.3 %



### 2P Nano Carbon

#### Guaranteed Content (w/w)

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



### 2P Seaweed

#### Guaranteed Content (w/w)

Potassium (K <sub>2</sub> O)	6 %
Organic Matter (Om)	20 %
Total Seaweed Extract	35 %
Free Amino Acid	2 %
Alginic Acid	5 %



### 2P Nano Max

#### Guaranteed Content (w/w)

Organic Nitrogen (N)	3 %
Total Nitrogen (N)	5 %
Organic Matter (Om)	25 %
Free Amino Acid	45 %
CPPU-B12 Vitamin Complex	

## 2P Calci Amino - 2P Nano Amino

### Description

**2P Calsi Amino** is formulated to prevent and correct calcium and nitrogen deficiencies. Better quality and yield of harvest, better shelf life and great tolerance to storage fruits and stress and other plant diseases. **2P Calsi Amino** can be used in all kinds of crops. (fruit trees, horticulture, citrus, cereal, tropical products, rice, coffee, sugar cane, pineapple, avocado, banana tree, ornamental, mango, etc.) A solution of calcium and nitrogen complexed with a mixture of polycarboxylic acids.

**2P Calsi Amino** Contains polycarboxylic acids, free amino acids, oligo elements and natural phytohormones. The exchange of sodium with calcium acts through the improvement of soil structure and removal of salts. **2P Calsi Amino** should always be applied to the water dissolved by leaf or soil irrigation.



### Guaranteed Content (w/w)

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

### Application

**2P Calsi Amino** can be applied in every plant by foliar spraying in 100-200 cc / 100 lt water. And it can be applied in 2-4 lt / decare with soil water.

### Description

**2P Nano Amino**, in every period of plants (seedling, seedlings, flowers, fruit and leafless periods) is a versatile product that helps the plant. Despite being a versatile product, it performs perfectly in any situation.

**2P Nano Amino** prevents the plant from getting stress in difficult climatic conditions, problematic soil, faulty drug - fertilizer usage, wrong irrigation etc.

**Flowering** : Increases pollen fertility and pollination ability with high amounts of L-proline, L-arginine, and L glutamic acids.

**Rooting** : Contains L-methionine, L-tryptophan and phytohormones and is a very effective product on auxin synthesis and rooting. At the same time, soil microorganisms proliferate rapidly in soil applications and the soil becomes airy, fluffy with high water holding capacity. This provides a very high benefit to root development and plant nutrition.

**Fruit** : **2P Nano Amino** improves fruit quality with L-alanine and L-Leucine. Helps ripen fruit with L-histidine.



### Guaranteed Content (w/w)

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

### Application

**2P Calsi Amino** can be applied in every plant by foliar spraying in 100-200 cc / 100 lt water. And it can be applied in 2-4 lt / decare with soil water.

## Description

*2P Amino Max 45* is synthesized from various plant properties (fruits, vegetables, algae, etc.) by using advanced technology and produced under special conditions. ; concentrate, organic, liquid plant feed preparation.

*2P Amino Max 45* contains the enzymes, vitamins and proteins that should be present in the living organism. It breaks up plant nutrients that are bound to the soil by the enzymes it contains, or which cannot be taken by the plant, and make them available.

*2P Amino Max 45* provides the highest level of proteins that the plants have to take at maximum levels during the developmental stages of the plants with the proteins it contains. In addition, thanks to the vitamins and nutrients it contains, it increases germination and fruit set. It provides quality and durability in the products. AminoMax 45 improves the vascular system of plant with various amino acids it contains. It helps plants to form a defense system against viruses and vascular diseases. In this way, the yield and quality of the plants are increased.

*2P Amino Max 45* contains high amounts of 100% vegetable origin (fruit, vegetable, algae, etc.), natural vitamin-added liquid organic matter. Therefore, it increases the microbiological activity in the soil. Soil micro-organisms that feed on *2P Amino Max 45* proliferate rapidly, so that the soil volume increases, so the soil gets more aerated and easily swells. The proliferating soil produces heat by consuming more microorganisms.



## Guaranteed Content (w/w)

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

## Application

Plants	Period	Soil Application	Foliar (100 lt water)
Greenhouse Vegetables	It is applied with one week intervals from planting to the end of harvest.	3 - 5 Lt / Da	250- 300 cc
Open Field Vegetables	It is applied 2-3 times with 15-20 days intervals from planting to the end of harvest.	2 - 4 Lt / Da	200- 300 cc
Whole Leaf Eating Winter Vegetables	It is applied 2-3 times with 20-30 days intervals from planting to the end of harvest.	2 - 4 Lt / Da	200- 300 cc
Melon, Watermelon, Zucchini, Carrot etc.	It is applied 2-3 times with 20-30 days intervals starting from spring.	3 - 5 Lt / Da	200- 300 cc
Nursery, Ornamental Plants and so on.	When plant height is 10 cm, it is applied in every irrigation until the end of harvest.	3 - 5 Lt / Da	200- 300 cc
All Fruit Trees	1- Just before bud and flowering 2- Fruit formation 3- Until the end of harvest	4,5 - 5 Lt / Da	200- 300 cc
All Industrial Plants	After the plants reach 10-15 cm height, apply 2-3 repetitions with an interval of 20 days.	2 - 3 Lt / Da	200- 300 cc
All Field Crops	After the plants reach 10-15 cm height, apply 2-3 repetitions with an interval of 20 days.		200- 300 cc

## Description

*2P Nano Flora* deals with ATP energy transfer, inheritance transfer (nucleic acids), photosynthesis and carbohydrate degradation.

This element is very important for flowering, fruit set, early maturity, fruit growth and seed ripening.

*2P Nano Flora*, with its high content of organic matter and phosphorus, encourages the plant to bloom. It does not react with the cations in the soil because of the phosphorous uptake of the phosphorus and does not bind.

*2P Nano Flora* is a strong stimulant that can be used in all plants during flowering period.

It can be used both from leaf and drip. The phosphorus in its structure also eliminates the problem of over-grading in plants.

## Guaranteed Content (w/w)

Total Nitrogen (N)	5 %
Organic Nitrogen (N)	2 %
Phosphorus (P2O5)	15 %
Organic Matter (Om)	15 %
Free Amino Acid	10.0 %
NAA-BNOA-B12 Vitamin Complex	

## Application

**Foliar Application:** Market garden, fruit and ornamental trees.  
Application rate 100-150 cc / 100 Liters of water.

**Soil Application** Market garden, fruit and ornamental trees.  
Application rate 5-7.5 Liters / Hectare





### Description

**2P NanoRoot** Increases rooting rate and root quality.  
It provides adventitious root formation in steel propagation.  
Increases pile root length.

**2P NanoRoot** Delays the destruction of chlorophyll to keep the green parts of the plant green for a long time.  
Reduces peak dominance, increases lateral branching, strawberries in the amount of branches, the amount of tillering in wheat, cotton and eggplant increases the formation of side branches. It leads to thickening of the root diameter.

**2P NanoRoot** plays an active role in the transport of macro and micro elements when combined with low-dose leaf fertilizers.  
It increases the formation of callus base.

Quickly repairs wound tissues

### Guaranteed Content (w/w)

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

### Application

10 to 50 L / ha depending on culture, soil type and organic matter content.

**Foliar Application:** Fruit trees: 200-300 cc / 100 lt water  
Horticulture: 100-200 cc / 100 lt water  
Banana: 100-200 cc / 100 liters of water

**Soil Application** 2-4 times during 7-10 lt / ha season.



# 2P Biohumat (Potassium Humat)

## Description

*2P Biohumat (Potassium Humat)* is a plant growth regulator in both foliar and soil form to assist in avoiding difficult periods such as stress and irregularities during plant stress. When applied from the leaves, it promotes chlorophyll formation and photosynthesis, increases protein synthesis, accelerates plant respiration and provides early eco-product, and improves quality.

When applied from the soil, *2P Biohumat* makes the nutrients (especially phosphorus and trace element) which are connected to the soil useful by chelating them and makes them useful for plant utilization and provides savings in the use of other fertilizers. It increases the cation exchange capacity of the soil.

Provides beneficial growth of root and microorganisms.

It regulates the pH of the soil. Lowers salinity. It improves the physical structure of the soil and plays a role in obtaining healthy and high quality plants and products by providing perfect root development.

## Guaranteed Content (w/w)

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



1 Sec



2 Sec



3 Sec



4 Sec

## Application

Plants	Period	Soil Application	Foliar (100 lt water)
Greenhouse Vegetables	2-3 repetitions with 15-20 days intervals from planting to the end of harvest	150-175 gr / da	75-100 gr
Open Field Vegetables	2-3 repetitions with 15-20 days intervals from planting to the end of harvest	175-200 gr / da	100-125 gr
Whole Leaf Eating Winter Vegetables	At intervals of 20-30 days from spring	175-200 gr / da	100-125 gr
Melon, Watermelon, Zucchini, Carrot etc.	2-3 repetitions at intervals of 20-30 days from spring	175-200 gr / da	100-125 gr

## Description

*2P Biohumat Combi* is a 100% water soluble product.

It can be applied in all irrigation systems: sprinkler, drainage and overflow, sprayed in any kind of soil or by foliar applications.

It is a chelated 100% Humic acid.

Used in soils with high pH:

It helps plants to absorb iron, zinc and manganese and also preserves their lifespan.

Although it is not found in the chlorophyll structure of iron, it is very important for its synthesis.

*2P Biohumat Combi* maintains its effectiveness by maintaining its structure for a long time in high pH soils. Provides necessary iron, zinc and manganese feeding for plants.

*The definitive solution against iron, zinc and manganese deficiency!*

## Guaranteed Content (w/w)

Organic Matter (Om)	25 %
Total Humic Acid & Fulvic Acid	50 %
Water Soluble Potassium (K2O)	8 %
Water Soluble Iron (Fe)	3 %
Water Soluble Zinc (ZnO)	5 %
Water Soluble Manganese (Mn)	3 %
pH	9.5-10.5



## Application

Plants	Period	Soil Application	Foliar (100 lt water)
Greenhouse Vegetables	2-3 repetitions with 15-20 days intervals from planting to the end of harvest	150-175 gr / da	75-100 gr
Open Field Vegetables	2-3 repetitions with 15-20 days intervals from planting to the end of harvest	175-200 gr / da	100-125 gr
Whole Leaf Eating Winter Vegetables	At intervals of 20-30 days from spring	175-200 gr / da	100-125 gr
Melon, Watermelon, Zucchini, Carrot etc.	2-3 repetitions at intervals of 20-30 days from spring	175-200 gr / da	100-125 gr
Nursery and ornamental plants and so on.	2-3 repetitions at intervals of 20-30 days from spring	175-200 gr / da	125-150 gr
Apple, Pear, Peach, Apricot, etc.	1 - Just before bud and flowering 2 - Fruit formation 3 - Until the end of harvest.	250-300 gr / da	100-125 gr
Corn, Soybean, Tobacco, Cotton, Sunflower, etc.	After the plants reach 10-15 cm height 2-3 repetitions with an interval of 20 days	250-300 gr / da	100-125 gr

# 2P Biohumat Copzin - 2P Biohumat Fer

## Description

**2P BioHumat CopZin** is 100% water soluble and easy to dissolve. It can be applied in all kinds of soil by releasing, sprinkling and drip irrigation and by foliar spraying tools.

It is applied in plants with 100% chelated zinc and copper in the early period and provides efficiency increase by preventing both the diseases and product losses that may occur due to zinc and copper deficiency.

### Guaranteed Content (w/w)

Organic Matter (Om)	25%
Total Humic Acid & Fulvic Acid	50%
Water Soluble Potassium (K2O)	6%
Water Soluble Zinc (ZnO)	8%
Water Soluble Copper (Cu)	2%
pH	8.5 - 10.5

### Application

All field and industrial plants	25 - 50 Kg / Da
All tuberous plants	25 - 50 Kg / Da
All open field vegetables	20 - 40 Kg / Da
All greenhouse vegetables and cut flowers	50 - 70 Kg / Da



## Description

**2P BioHumat Fer** is 100% water soluble and easy to dissolve. In all kinds of soil; release, sprinkling and drip irrigation and foliar spraying.

**2P BioHumat Fer** humic acid is bound to 100% chelated iron to form iron humate. It can be used from soil and leaves to prevent iron chlorosis in plants in iron deficiency soils.

**2P BioHumat Fer** maintains its effectiveness in high pH soils and provides the iron needed for plants. It maintains its effectiveness by preserving its structure for a much longer time than other iron containing products. Plastids are particularly affected by iron deficiency in structure.

It is very important because it plays a role in protein structures and syntheses that are versatile and vital.

### Guaranteed Content (w/w)

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

### Application

All fruit trees	1 - 3 Kg / tree
In all nurseries (2-5 years)	0,5 - 1 Kg / Seedling
Vineyard	0,5 - 1 Kg / Vinestock
In grass fields (maintenance)	50 Kg / Year
Sowing grass	2 times 30% to 50% of the cover soil



## Description

**2P Maxi Fulvic** dissolves rapidly in alkaline environment. The reaction rate is quite high. **2P Maxi Fulvic** is a plant growth regulator that helps in avoiding stressful periods and difficult periods such as irregularities. When applied from the soil, the nutrient elements (especially phosphorus and trace elements), which are bound to the soil, are useful by chelating them. It increases the cation exchange capacity of the soil. Provides beneficial growth of roots and microorganisms.

It regulates the pH of soil and lowers salinity. It improves the physical structure of the soil and provides excellent root growth and plays a role in obtaining healthy and high quality plants and products.

**2P Maxi Fulvic** accelerates respiration and formation of plant roots. It acts as an organic catalyst in plants and soil. Provides rapid growth of soil and microorganisms. It also stimulates the growth of vegetative organs and roots of plants.

**2P Maxi Fulvic** improves plant nutrition by increasing permeability of plant cell membranes. It stimulates plant root system and cell proliferation and provides balanced growth of the plant. Stimulates plant enzymes and increases plant's desire to survive.

**2P Maxi Fulvic** increases the germination power of the seed and increases the water holding capacity of the soil. It also maximizes the ion exchange capacity of the soil. Enriches both organic and mineral substances necessary for plant growth in soil.

**2P Maxi Fulvic** ensures that the chemical fertilizers needed by the plants are kept in the soil water in the root zone.



## Guaranteed Content (w/w)

Organic Matter (Om)	80%
Fulvic Acid	80%
Potassium (K2O)	8%
pH	6-8

## Application Doses

All field and industrial plants	25 - 50 Kg / Da
All tuberous plants	25 - 50 Kg / Da
All open field vegetables	20 - 40 Kg / Da
All greenhouse vegetables and cut flowers	50 - 70 Kg / Da
All fruit trees	1 - 3 Kg / tree
In all nurseries (2-5 years)	0,5 - 1 Kg / Seedling
Vineyard	0,5 - 1 Kg / Vinestock
In grass fields (maintenance)	50 Kg / Year
Sowing grass	2 times 30% to 50% of the cover soil

## Description

The most visible nutrient deficiency in plant breeding is iron deficiency. It is a known nutritional deficiency which is chlorosis or jaundice. Iron deficiency appears on young leaves before. Initially, the leaf veins are yellow while the yellow veins are yellow. In the later stages, the color starts to light up in the leaves and it becomes light yellow or even white.

Iron is an important element in photosynthesis and chlorophyll synthesis in plants. It is also found in the structure of proteins. 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. Iron is a water soluble element at low pH.

Iron sulfate salt in the range of 0-6,5 Ph is sufficient to eliminate iron deficiency. However, as the soil pH increases, iron sulphate or 10ther iron salts become insoluble from the soil. **Pulcu Fer EDDHA** is a special iron preparation that is chelated in both acidic and basic (alkaline (high pH)) soils. It can be used with drip irrigation, sprinkler irrigation systems in high pH soils or it can be applied to burials in rows opened to the root area or burials between the rows. It 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.



1 Sec



2 Sec



3 Sec



4 Sec

## Application

Plants	Period	Young Plant Period	Full Productivity Period
Tomato, Pepper, Eggplant, Cucumber, Beans, Melon	2 applications from 5 days starting from the beginning of flowering	60 - 100 gr / 100 m2	60 - 100 gr / 100 m2
Citrus, Fruit Trees, Olive trees	2 applications from 10 days starting from the beginning of flowering	5-10 gr / tree	30 - 60 gr / tree
Cotton, Corn, Soybean, Sunflower, Peanut, Chickpea	2 applications from 7 days starting from the beginning of flowering	60 - 100 gr / 100 m2	60 - 100 gr / 100 m2
Cereals	Before the fraternization period	60 - 100 gr / 100 m2	60 - 100 gr / 100 m2
Banana	2 applications at the beginning flowering	5-15 gr / tree	30 - 60 gr / tree
Potato, Onion, Garlic, Cabbage, Carrot, Sugar Beet	2 applications from 7 days starting from the beginning of flowering	60 - 100 gr / 100 m2	60 - 100 gr / 100 m2

## Functions of Iron in Plants

Enzyme function is a nutrient required for catalysis for chlorophyll synthesis and new developments in plants. Iron deficiency is characterized as pale leaves, yellowing of leaves and veins. Iron with high pH may contain iron, but may not be used for the plant. The nitrogen enzyme involved in nitrogen settlement also contains iron.

### Iron Deficiency

Young leaves of the plant gets a light yellow even white color  
 Leaf veins dark green, takes a light color between the veins  
 Loss of chlorophyll occurs between vessels  
 Chlorophyll does not form well  
 Chlorosis disease is seen in plants

*Pulcu FER EDTA* can be safely applied to the deficiencies caused by iron deficiency in all plants due to its high iron content and EDTA chelation. When used regularly, *Pulcu FER EDTA* eliminates all failures caused by iron deficiency.



Without Iron Deficiency



Iron deficiency



### Guaranteed Content (w/w)

Iron (Fe)	13 %
EDTA Chelate	

### Application

Plants	Period	Soil Application	Foliar (100 lt water)
All vegetable cultivation	After the first fruit when the seedlings are dislocated	100-150 gr / da	250-300 gr / da
Strawberry	If the pH of the soil is above 7.5, the first flowering period is 20 days apart until the end of the harvest.	100-150 gr / da	250-300 gr / da
Flowers	At Growing period	100-150 gr / da	250-300 gr / da
Vineyards	Panicle extension, flower formation	100-150 gr / da	250-300 gr / da or 5 gr/ vinestock
Olive	At Growing period	100-150 gr / da	250-300 gr / da
Citrus	Before flowering and when fruits are at the size of nuts	100-150 gr / da	250-300 gr / da

## Description

*Pulcu Micro Element Series WP* is a special purpose solid fertilizer which is specially chelated and supplemented with organic acids and magnesium, developed to eliminate the lack of trace elements in plants.



### 2P Mob Zn

#### Guaranteed Content (w/w)

Zinc (Zn)	12%
Boron (B)	4%
Molybdenum (Mo)	4%
EDTA & Citric Acid	



### 2P BZF

#### Guaranteed Content (w/w)

Zinc (Zn)	11%
Boron (B)	5%
Iron (Fe)	3%
EDTA & Citric Acid	



### 2P Mob FZN

#### Guaranteed Content (w/w)

Zinc (Zn)	10%
Boron (B)	4%
Iron (Fe)	2%
Molybdenum (Mo)	5%
EDTA & Citric Acid	



### 2P Micro Combi

#### Guaranteed Content (w/w)

Iron (Fe)	4%
Zinc (ZnO)	1.5%
Manganese (Mn)	4%
Boron (B)	0.5%
Copper (Cu)	1.5%
Molybdenum (Mo)	0.1%
Magnesium (MgO)	9%
EDTA & Citric Acid	



### 2P Power Combi

#### Guaranteed Content (w/w)

Iron (Fe)	5.5%
Zinc (ZnO)	7%
Manganese (Mn)	4.5%
Boron (B)	1.5%
Copper (Cu)	1.0%
Molybdenum (Mo)	0.02%
EDTA & Citric Acid	



### 2P ZnMn

#### Guaranteed Content (w/w)

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



## Description

It is a mixture of high content, micronized trace elements. Due to its very small grain size, it dissolves rapidly in water and penetrates easily from the stomata into the plant. It is a very effective product in eliminating micro element failures. Due to its special complex content, it provides a fast greening in the plants it is used.

*2P Gold Combi* is a powder product based on trace elements with chelated formulation to correct plant deficiencies in terms of these elements, which have a very important role in the development and balance of the plant.

*2P Gold Combi*'s injection or non-leaf additive can quickly correct deficiencies in record time.

## Advantages

- Provides a robust, chlorine-free apical region
- Easy to use, dissolve and apply
- 100% chelated and fully available iron up to pH 9
- Developed for leaf application.
- Also suitable for fertilizing field or greenhouse plants

## 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

Plants	Period	Foliar (100 lt water)	Soil Application
Greenhouse and Open Field Vegetables (Tomato, Pepper, Eggplant, Cucumber)	Two or three repetitions with the start of growth	100-150 gr / da	300 gr / da
Seedlings	Two repetitions during irrigation of seedlings	100-150 gr / da	300 gr / da
Tuberous plants (Onion, Potato, Turnip, Carrot)	Two or three repetitions with the onset of growth	100-150 gr / da	350 gr / da
All Fruit Trees (Apple, Pear, Cherry, Apricot, Vineyard)	Two or three repetitions with the onset of growth	100-150 gr / da	450 gr / da
Nuts, Bananas, Citrus	Two or three repetitions with the onset of growth	100-150 gr / da	400 gr / da
Ornamental plants and cut floriculture	Two or three repetitions with the onset of growth	100-150 gr / da	300 gr / da
Open Field Plants (Barley, Wheat, Rice, Alfalfa etc.)	Two or three repetitions with the onset of growth	100-150 gr / da	350 gr / da



## Description

In the powder formulation, which is readily soluble in water, all can be taken up by the plants. EDTA It is a high quality zinc source in chelated form. **2P Zinc Edta 15%** is a highly effective nutrient for removing jaundice (chlorosis) caused by zinc in plants.

**2P Zinc Edta 15%** cotton carding and comb attitude (offspring attitude), spike, grain attitude increase, tomatoes, peppers, cucumbers, eggplant, zucchini and so on.

It is an effective source of zinc in all plants.

**2P Zinc Edta 15%** is used in all plants green hitch, dark green hitch, dark green color, more buds and flowers by providing the formation of high yield, provides high quality crop.

**2P Zinc Edta 15%** is EDTA chelated, making the Zn + 2 ions very easy and convenient to use because of the crystal structure of the plant.



## Guaranteed Content (w/w)

Zinc (Zn)	15%
EDTA Chelate	

## Application

Plants	Period	Foliar (100 lt water)	Soil Application
All vegetable cultivation ( Tomatoes, pepper, eggplant )	After the first fruit when the seedlings are displaced	100- 150 gr / da	250-300 gr / da
Strawberry	If the soil pH is above 7.5, the first flowering period is 20 days apart.	100- 150 gr / da	250-300 gr / da
Cut floriculture	At growth period	100- 150 gr / da	250-300 gr / da
Vineyards	Panicle extension and flower formation period	150-200 gr / da	250-300 gr / da or 5 g / vinestock
All fruit trees	1 application after harvest in autumn / 1 application in spring fruit period	150-200 gr / da	250-300 gr / da or 20 g / tree
Olive	At growth period	150-200 gr / da	250-300 gr / da or 20 g / tree
Citrus	Before flower and when fruits are at the size of nuts	150-200 gr / da	250-300 gr / da or 20 g / tree
Melon, Watermelon, Pumpkin	After the first fruit when the seedlings are displaced	100- 150 gr / da	250-300 gr / da

## Description

It is a special purpose solid fertilizer enriched with organic acids and chelated developed to eliminate manganese deficiency in plants.

Manganese acts as an activator for some enzymes. It is responsible for the synthesis of vitamin C and oil of plants, is effective in cell division. It is effective on plant growth, quality and productivity.

## Advantages

- Fully soluble in water
- Responsible for photosynthesis density
- Participates in the conversion of nitrogen compounds and carbohydrates
- Increases resistance to diseases and low temperatures
- Stimulates phosphorus intake
- Increases protein, amino acid, vitamin C and E and carotene content
- Especially recommended after calcification

## Guaranteed Content (w/w)

Manganese (Mn)	13%
EDTA Chelate	



## Application

Plants	Period	Foliar (100 lt water)	Soil Application
Open Field Vegetables (Tomato, Pepper, Eggplant, Melon etc.)	10 days apart during the flowering period	200-250 gr / da	500-800 gr / da
Greenhouse Vegetables	10 days apart during the flowering period	200-250 gr / da	500-800 gr / da
Fruit trees	During the vegetative development period, 1-2 weeks apart	200-250 gr / da	500-800 gr / da
Vineyards	Active growth period	200-250 gr / da	500-800 gr / da
Olive	Before flowering and after fruit set	200-250 gr / da	500-800 gr / da
Nuts	2-3 application before and after flowering	200-250 gr / da	50-75 gr / stock
Strawberry	2-3 applications during active development	200-250 gr / da	500-800 gr / da

# 2P Bor EDTA 13%

## Description

It is a special purpose powder fertilizer in the form of all ethanol amine developed to eliminate the problems caused by boron deficiency in plants. Ethanol amine Provides protection to boron nutrients and makes it easier and faster for boron to be taken up by plants. **2P Bor EDTA 13%** is effective on flower powder growth and germination. It is effective on cell division and auxin formation. It is effective in cell wall durability and cell wall formation. Boron provides standardization in fruit quality and increases the sugar content of the fruit.

**2P Bor EDTA 13%** is a very pure product which dissolves rapidly and completely. From early spring on fruit set and post-harvest treatment as recommended.

The high Boron level in our formula enhances the development of new healthy roots, strong shoots and flower buds.

## Advantages

Develops root and promotes growth  
Boron is highly ethical on the development of flower powder and germination  
Easy to use, dissolve and apply  
Developed for leaf application. In open fields and greenhouses  
Also suitable for fertilization  
Soft for leaf texture



## Guaranteed Content (w/w)

Boron (B)	13%
EDTA Chelate	

## Application

Plants	Period	Foliar (100 lt water)	Soil Application
Open Field Vegetables (Tomato, Pepper, Eggplant, Melon etc.)	2-3 applications during plant development period	100-150 gr / da	1 -1,5 kg / da
Greenhouse Vegetables	2-3 applications during plant development period	100-150 gr / da	1 -1,5 kg / da
Fruit Trees	2-3 applications during the active development period of the plant	100-150 gr / da	1 -1,5 kg / da
Vineyards	The first application should be done just before flowering, the second application after the fruit set and the third application one month after the second application.	150-200 gr / da	1 -1,5 kg / da
Olive	The first application should be done just before flowering, the second application after the fruit set and the third application one month after the second application.	150-200 gr / da	1 -1,5 kg / da
Citrus	2-3 applications during plant development period	100-150 gr / da	1 -1,5 kg / da
Nuts	2-3 applications during plant development period	100-150 gr / da	1 -1,5 kg / da

## Description

It is a special purpose solid fertilizer developed to eliminate boron and zinc deficiency in plants, specially chelated and rich in organic acids and supplemented with magnesium. It stimulates the eyes to awaken and bloom in fruit trees.

**2P BZN** provides fruit development. It also increases the sugar ratio of fruits and prevents deformation.

**2P BZN** meets both the zinc (Zn) and boron (B) requirements since the first flowering period of the plant. Due to the lack of zinc and boron, the number of fruit buds decreases in flowering and flowering and early foliage.

Uniform flower formation and pollination can not occur. Zinc and boron should be used at the same time for a good flower and fruit formation. In this way, flowering, fertilization and fruit set can be increased.

Boron deficiency can also be seen in the form and color change of young leaves of the plant. Boron promotes the pollen production of the plant and increases fruit set.



## Guaranteed Content (w/w)

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

## Application

Plants	Period	Foliar (100 lt water)	Soil Application
Open Field Vegetables (Tomato, Pepper, Eggplant, Melon etc.)	Seedling planting, at the beginning of flowering	1-2 applications 20-25 days apart	100 gr / da
Greenhouse Vegetables	Seedling planting, at the beginning of flowering	1-2 applications 20-25 days apart	100 gr / da
Fruit trees	Seedling planting, at the beginning of flowering	1-2 applications 20-25 days apart	100 gr / da
Vineyards	Just before birth	100 gr / da	1-2 kg / da
Olive	After harvest, before flower and after flower	100 gr / da	30-150 gr / tree
Citrus	After harvest, before flower and after flower	100 gr / da	30-150 gr / tree
Nuts	After harvest, before flower and after flower	100 gr / da	100 gr / stock

## Description

*Pulcu Micro Element Series SC* group meets the plant nutrient requirement of plants with 100% water solubility. It prevents the formation of nutrient deficiency symptoms such as yellowing of leaves or stems, curling of leaves and spotting. It provides an increase in flowering, fertility and fruit number.

It eliminates the lack of izelement in all plants. It adds vitality to the plant. It can be given at any period from the leaf. The best results are achieved by application during the active growth periods of the plants.



### 2P Bor Max

#### Guaranteed Content (w/w)

Boron Ethanolamine (B)	12%
Ethanolamine Chelate	



### 2P Fer Max

#### Guaranteed Content (w/w)

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



### 2P Fer Zinc

#### Guaranteed Content (w/w)

Iron (Fe)	3%
Zinc (ZnO)	2%
Amino acid + Vitamins	



### 2P Mn Max

#### Guaranteed Content (w/w)

Manganese (Mn)	6%
Amino acid + Vitamin	



### 2P Zn Max

#### Guaranteed Content (w/w)

Zinc (ZnO)	7%
Amino acid	10%
Polycarboxylic Acid	2%



### 2P Mob L

#### Guaranteed Content (w/w)

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

## Description

**2P Combi Max** is a rich nutrient solution that responds to the need of micro nutrients (trace elements) of plants in a short time. Thanks to its composition, it supports the growth and development by providing balanced nutrition of the plant.

It increases plant height, number of branches and leaf area.

**2P Combi Max** Promotes abundant flowering, grain binding and fruit set. Minimizes fruit breakdown.

With these properties, it significantly increases yield and quality. As it is produced from natural sources, it is also suitable for use in organic agriculture.

The high-yield and high-quality product is possible not only with N, P, K fertilization, but also with the complete and accurate supply of the micronutrients required by plants. Trace elements work together with the basic nutrients (nitrogen, phosphorus, potassium) to form the infrastructure to produce high yield and quality in the plant.



## Guaranteed Content (w/w)

Iron (Fe)	2 %
Zinc (ZnO)	2 %
Manganese (Mn)	1 %
Boron (B)	1 %
Copper (Cu)	1 %
Molybdenum (Mo)	0.027%
EDTA Chelate	

## Application

### Soil Application

Fruit Trees	650-950 cc / da
Beets	450-650 cc / da
Grape (Vineyard)	2-4 Lt / ha
Olives	450-650 cc / da
Vegetable	950 cc / da
Flowers	450-650 cc / da

### Foliar Application

Fruit Trees	50-100 cc / 100 lt water
Beets	200-250 cc / 100 liters of water
Vineyard	100-200 cc / 100 liters of water
Olives	200-250 cc / 100 liters of water
Vegetable	50-100 cc / 100 liters of water
Clove	50-100 cc / 100 liters of water

### Description

**2P CuMax** compensates for the shortcomings of copper because it is complexed with organic acids and enriched with amino acids. It is presented as a highly concentrated liquid solution. Copper is a micro element with fungicidal and bacterial properties. As it is a basic component, it plays a role in the formation of cell walls. It is also involved in photosynthesis, atmospheric nitrogen fixation and sugar metabolism.

**2P CuMax** prevents and compensates for copper deficiencies. It helps fight against bacterial and fungicidal diseases as it activates enzymes involved in chlorophyll formation, which enables better use of proteins.

Optimizes plant growth **2P CuMax** is a systemic copper with superior properties that can be easily absorbed through leaves and roots thanks to its special composition. When used from the leaves, thanks to the copper it contains, the effect of fungicide has a significant effect on plant growth.

**2P CuMax** meets the need for copper in young leaves. Copper is an element that is difficult to carry in the plant. Therefore, the lack is first seen in young leaves. It does not stain when applied from leaves and can be used safely during flowering.



### Guaranteed Content (w/w)

Copper (Cu)	10%
Salicylic Acid	

### Application

Plants	Period	Foliar (100 Lt water)	Soil Application
All vegetable cultivation ( Tomatoes, pepper, eggplant )	2-3 applications after holding seedlings in the soil.	100- 150 cc 100 Lt water / Da	1 Lt / Da
Greenhouse Vegetables	2-3 applications after holding seedlings in the soil.	100- 150 cc 100 Lt water / Da	1 Lt / Da
Tuberous Plants	From output to first anchor	100- 150 cc 100 Lt water / Da	1 Lt / Da
Industrial Crops Corn, Sunflower, Wheat, Anise etc.	When the plant is 10-15 cm from birth, 2-3 application	100- 150 cc 100 Lt water / Da	1 Lt / Da
Hard cored Fruits	2-3 applications throughout the season	100- 150 cc 100 Lt water / Da	1 Lt / Da
Soft cored Fruits	2-3 applications throughout the season	100- 150 cc 100 Lt water / Da	1 Lt / Da



## Description

**2P BetaMol** is a product made for the warming of plants. Glycine betaine is the most powerful osmoprotectant in the plant world.

**2P BetaMol** increases the osmotic pressure in the plant cell and prevents the water from escaping from the cell and causing death. This pressure allows the retention or diffusion of water and trace elements by osmotic management.

Likewise, it reduces the point of crystallization of water in the cells of the plant; This makes it possible to lower the jelly temperature and thus prevent the cells and branches of the plant from bursting.

Application of **2P BetaMol** alleviates the negative effects of drought stress on sunflower acen weight, improves gas exchange properties and biomass production and increases dry matter, grain yield and osmolites in corn.

**Light field stress conditions, yield cotton leaves**  
**Improve up to 10-50% with BetaMol application**



## Guaranteed Content (w/w)

Glycine Betaine	35%
Molybdenum (Mo)	12%

## Application

Plants	Period	Foliar (100 lt water)	Soil Application
All vegetable cultivation ( Tomatoes, pepper, eggplant )	2-3 applications after holding seedlings in the soil.	50-100 cc 100 Lt water / Da	2-3 Lt / Da
Greenhouse Vegetables	2-3 applications after holding seedlings in the soil.	50-100 cc 100 Lt water / Da	2-3 Lt / Da
Tuberous Plants	From output to first anchor	50-100 cc 100 Lt water / Da	2-3 Lt / Da
Industrial Crops Corn, Sunflower, Wheat, Anise etc.	When the plant is 10-15 cm from birth, 2-3 application	50-100 cc 100 Lt water / Da	2-3 Lt / Da
Hard cored Fruits	2-3 applications throughout the season	50-100 cc 100 Lt water / Da	2-3 Lt / Da
Soft cored Fruits	2-3 applications throughout the season	50-100 cc 100 Lt water / Da	2-3 Lt / Da

# *Pulcu Humic & Fulvic Liquid*

## **Description**

Pulcu Humic & Fulvic products are plant growth regulators in both foliar and soil form to assist in the elimination of stress during plant stress and difficult periods such as irrigation imbalance. It promotes chlorophyll formation and photosynthesis in foliar applications, increases protein synthesis, accelerates plant respiration, and provides early earliness, improved quality.

In soil applications, it provides the benefit of the plant by chelating the nutrients (especially phosphorus and trace elements) which are bound to the soil and provides saving for the use of other fertilizers. Increases the cation exchange capacity of soil. Provides beneficial proliferation of roots and microorganisms.

It regulates the pH of the soil and lowers salinity. The physical structure of the soil improves and a perfect root development ensures healthy and quality plants and products. Promotes the production of plant enzymes.

Acting as an organic catalyst, Pulcu Humic & Fulvic products increase root formation and growth. Facilitates the intake of micronutrients. It increases the permeability of the cell walls of the plant and increases the nutrient uptake and helps to increase the vitamin content of the plants. Accelerates cell division.

It still dissolves the soil more easily, improves workability and aeration. Soil retention capacity and buffer properties of soil are increased.

Pulcu Humic & Fulvic products accelerate the soil's thermal discoloration and convert the insoluble compounds into the form the plant can take.

## *Pulcu Humic & Fulvic Liquid Solutions*



Available in 500 cc - 1lt - 5lt - 10lt - 20lt and big tanks

*We have all and more!*

## Description

**2P Pure 55** has been synthesized from various plants by using advanced technology, produced under special conditions, containing a high amount of vitamins, organic nitrogen, various micro and macro elements and natural hormones. concentrate, organic, liquid plant feed preparation.

It contains vitamins and proteins that must be found in living organisms.

**2P Pure 55** breaks down plant nutrients that are bound to the soil by the enzymes it contains or cannot be taken by the plant.

With the proteins it contains, it provides the highest level of proteins that the plants have to take at maximum level during the developmental periods of the plants.



## Guaranteed Content (w/w)

Potassium (K <sub>2</sub> O)	4%
Organic Matter (Om)	55%
Organic Nitrogen (N)	2,5%
Humic & Fulvic Acid	30%
Free Amino Acid	11%
Ph	6-8
Vitamin B1-B6-B12 Complex	

## Application

Plants	Period	Foliar	Soil Application
All Greenhouse Vegetables	From planting to end of harvest	250-300 cc / da	3-5 lt / da
All Outdoor Vegetables	2-3 repetitions with 15-20 days intervals from planting to the end of harvest	200-300 cc / da	2-4 lt / da
Whole Leaf Eating Winter Vegetables	2-3 repetitions with 20-30 days interval from planting to the end of harvest	200-300 cc / da	2-4 lt / da
Melon, Watermelon, Pumpkin etc.	2-3 repetitions every 20-30 days from spring	200-300 cc / da	3-5 lt / da
Nursery, Ornamental Plants	2-3 repetitions with 15-20 days intervals from planting to the end of harvest	200-300 cc / da	2-4lt / da
All Fruit Trees	1- Before bud and flowering 2- Fruit formation 3- Until the end of harvest	200-300 cc / da	4-5 lt / da
All Industrial Plants	After the plants reach 10-15 cm height 2-3 repetitions with an interval of 20 days	200-300 cc / da	2-3 lt / da
All Field Crops	After the plants reach 10-15 cm height 2-3 repetitions with an interval of 20 days	200-300 cc / da	-----



## 2P BioHumic NPK

### Guaranteed Content (w/w)

Nitrogen (N)	1.5%
Phosphorus (P2O5)	2%
Potassium Oxide (K2O)	2%
Organic Matter (Om)	24%
Humic & Fulvic Acid	22%
Amino acid	2.5%
pH	6-8



## 2P BioHumic 20

### Guaranteed Content (w/w)

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



## 2P BioHumic 25

### Guaranteed Content (w/w)

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



## 2P BioHumic 30

### Guaranteed Content (w/w)

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



## 2P BioHumic 45

### Guaranteed Content (w/w)

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



## 2P BioHumic MN

### Guaranteed Content (w/w)

Potassium Oxide (K2O)	4%
Organic Matter (Om)	20%
Humic & Fulvic Acid	18%
Manganese (Mn)	2%
pH	6-8
Aminoacids & Vitamins	



## **2P BioHumic N**

### **Guaranteed Content (w/w)**

Potassium (K <sub>2</sub> O)	2 %
Organic Matter (Om)	20 %
Humic & Fulvic Acid	18 %
Zinc (ZnO)	1 %
pH	6-8
Aminoacids & Vitamins	



## **2P BioHumic FE**

### **Guaranteed Content (w/w)**

Potassium (K <sub>2</sub> O)	2 %
Organic Matter (Om)	35 %
Humic & Fulvic Acid	20 %
Iron (Fe)	7 %
pH	6-8
Aminoacids & Vitamins	



## **2P BioHumic BOR**

### **Guaranteed Content (w/w)**

Potassium (K <sub>2</sub> O)	7 %
Organic Matter (Om)	20 %
Humic & Fulvic Acid	15 %
Boron (B)	1 %
pH	6-8
Aminoacids & Vitamins	



# *Pulcu Humic & Fulvic Liquid Solutions*

## Description

**2P Fulvic 30** is a liquid organic fertilizer containing humic and fulvic acid enriched with organic matter and plant nutrients obtained by fermentation and hydrolization of plant extracts.

**2P Fulvic 30** promotes root growth in plants and makes the nutrients in the soil easier to be taken up by the plants.

Thanks to its rich content, it nourishes plants regularly and continuously. It stimulates plant enzymes and acts as catalyst.

Provides rapid and regular growth in plants. Increases resistance to stress conditions. (hot, cold, drought, etc.)

**2P Fulvic 30** increases the amount of organic matter in the soil and the viability of the microorganism in the soil increases.

It regulates the pH structure of the soil.

## Guaranteed Content (w/w)

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



## Application

Plants	Period	Foliar (100 lt water)	Soil Application
All Greenhouse Vegetables (Tomato, Pepper, Eggplant, Cucumber etc.)	15 days after the start and end of harvest until the end of harvest at intervals of 20 days	100-150 cc / da	4-5 lt / da
All Open Field Vegetables (Tomato, Pepper, Eggplant, Cucumber etc.)	15 days after the start and end of harvest until the end of harvest at intervals of 20 days	100-150 cc / da	4-5 lt / da
All Winter Vegetables (Cauliflower, Leek, Spinach, Lettuce)	It is applied in 2-3 replications with 20-30 days intervals from planting to the end of harvest.	100-150 cc / da	3-4 lt / da
Melon, Watermelon, Pumpkin etc.	It is applied in 2-3 repetitions with 20-30 days intervals from planting.	100-150 cc / da	3-4 lt / da
Nursery, Ornamental Plants, etc.	It is applied in 2-3 replications with 15-20 days intervals from planting to the end of harvest.	100-150 cc / da	2 lt / da
All Fruit Trees (Apple, Pear, Peach, Apricot etc.)	1- Just before bud and flowering 2- Fruit formation 3- Until the end of harvest	100-150 cc / da	4-5 lt / da or 200-250 cc / tree

## Description

Thanks to the free amino acids of plant origin, *2P Fulvamin* accelerates plant growth and protects the plant against stress. Increases photosynthesis rate in plants. Promotes cell division and cell regeneration. It increases flowering, fruit formation and root growth. Prevents flower and fruit breakdown. Provides faster uptake of plant nutrients by plants. It is stated that it acts as an activator of the life of plant physiology and edaphytes.

*2P Fulvamin* contains physiologically active and functional L-α amino acids as well as essential macro and micro nutrients.

In adverse climatic conditions due to the content of active L-α amino acids Shows effective anti-stress effect.

*2P Fulvamin* also improves the effects of vegetables to grow, bloom and nourish.

Stimulates the physiological development of cultures after a period of inactivity.



## Guaranteed Content (w/w)

Potassium (K <sub>2</sub> O)	4%
Organic Matter (Om)	40%
Organic Carbon (C)	17%
Total Humic & Fulvic Acid	27%
pH	5.5 - 6.0
Amino Acids & Vitamins	

## Application

Plants	Period	Foliar (100 lt water)	Soil Application
All Fruit Trees (Apple, Pear, Peach, Apricot etc.)	2-3 applications throughout the season	150 -200 cc / da	3-5 lt / ha
Nursery, Ornamental Plants, etc.	3-4 applications throughout the season	150 -200 cc / da	3-4 lt / ha
All Industrial Plants (Corn, Soy, Tobacco, Cotton etc.)	2-3 applications throughout the season	150 -200 cc / da	4-5 lt / ha
Olive	Flowering period	150 -200 cc / da	3-4 lt / ha
Tropical Trees and Bananas	Maintenance time and flowering period	150 -200 cc / da	4-5 lt / ha
All Vegetables	3-4 applications throughout the season	150 -200 cc / da	4-5 lt / ha
General Cultivation	3-4 applications throughout the season	150 -200 cc / da	4-5 lt / ha

# *Pulcu Combi Micro Element Granules*

## Description

Pulcu Combi Micro Element Granule Series is one of our most special series. It is a homogenous and integrated granular fertilizer series used for micro element reinforcement in all crops.

It contains all the nutrients that plants need and thanks to this rich formula, it provides an integrated plant nutrition with a green cover and root fortification.

## Agricultural Application

Suitable for direct application.  
Granular size is a special design that ensures even distribution of plant nutrients.

To blend mixed fertilizer:  
Mix with 5-10% fertilizer.

For direct application:  
Young tree, 100-200 gr per tree.  
500 gr. Per tree between 3-7 years of age.  
Apply directly to the soil, especially the root area, every 3-4 months.

## Advantages

Balanced micro element combination  
The perfect product for every crop  
Excellent effect at the beginning of farming  
Long-term supply of micro elements to plants  
Easy to apply and uniform in shape, appearance and efficiency;  
Good root stimulator for powerful and healthy products;



## *Pulcu Combi Micro Element Granules*

Available in 1kg - 5kg - 10kg - 25kg - 50kg and big bags.

*We have all and more!*





### **PULCU Combi Calmag**

#### **Guaranteed Content (w/w)**

Sulfur (So3)	3 %
Magnesium (MgO)	10 %
Calcium (CaO)	14 %
Boron (B)	0.5 %
Copper (Cu)	0.1 %
Iron (Fe)	0.1 %
Manganese (Mn)	0.5 %
Zinc (ZnO)	0.5 %
EDTA & Citric Acid	



### **PULCU Combi Nature**

#### **Guaranteed Content (w/w)**

Sulfur (So3)	15 %
Magnesium (MgO)	20 %
Boron (B)	0.5 %
Copper (Cu)	0.25 %
Iron (Fe)	4 %
Manganese (Mn)	2 %
Zinc (ZnO)	5 %
EDTA & Citric Acid	



### **PULCU Combi Nitro**

#### **Guaranteed Content (w/w)**

Calcium (CaO)	12 %
Sulfur (So3)	3 %
Zinc (ZnO)	3 %
Manganese (Mn)	2.5 %
Copper (Cu)	1 %
Boron (B)	2.5 %
EDTA & Citric Acid	



### **PULCU Combi Pro**

#### **Guaranteed Content (w/w)**

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



### **PULCU Combi Max**

#### **Guaranteed Content (w/w)**

Sulfur (SO3)	10 %
Magnesium (MgO)	15 %
Calcium (CaO)	11 %
Boron (B)	0.5 %
Copper (Cu)	0.15 %
Iron (Fe)	1.5 %
Manganese (Mn)	1 %
Zinc (ZnO)	1.5 %
EDTA & Citric Acid	



### **PULCU Combi Mix**

#### **Guaranteed Content (w/w)**

Sulfur (SO3)	12 %
Magnesium (MgO)	9 %
Calcium (CaO)	22 %
Boron (B)	0.5 %
Copper (Cu)	1 %
Iron (Fe)	1 %
Manganese (Mn)	1 %
Zinc (ZnO)	5 %
EDTA & Citric Acid	



## PULCU Combi Tek

Guaranteed Content (w/w)

Sulfur (SO <sub>3</sub> )	5 %
Boron (B)	2 %
Copper (Cu)	5 %
Zinc (ZnO)	9 %
EDTA & Citric Acid	



## PULCU Combi Green

Guaranteed Content (w/w)

Sulfur (SO <sub>3</sub> )	10 %
Boron (B)	6 %
Copper (Cu)	1 %
Zinc (ZnO)	6 &
EDTA & Citric Acid	



## PULCU Combi Round

Guaranteed Content (w/w)

Sulfur (SO <sub>3</sub> )	11 %
Copper (Cu)	10 %
Iron (Fe)	6 %
Zinc (ZnO)	5 %
EDTA & Citric Acid	



## PULCU Combi Power

Guaranteed Content (w/w)

Sulfur (SO <sub>3</sub> )	15 %
Boron (B)	0.7 %
Copper (Cu)	1.67 %
Iron (Fe)	15 %
Manganese (Mn)	4 %
Zinc (ZnO)	10 %
EDTA & Citric Acid	



## PULCU Combi Cal

Guaranteed Content (w/w)

Sulfur (SO <sub>3</sub> )	10 %
Boron (B)	2 %
Calcium (CaO)	10 %
Magnesium (MgO)	10 %
EDTA & Citric Acid	



## PULCU Combi Oli

Guaranteed Content (w/w)

Sulfur (SO <sub>3</sub> )	13 %
Boron (B)	0.5 %
Calcium (CaO)	4 %
Copper (Cu)	0.5 %
Manganese (Mn)	2.5 %
Zinc (ZnO)	14 %
EDTA & Citric Acid	



### **PULCU Combi Silver**

#### **Guaranteed Content (w/w)**

Sulfur (SO <sub>3</sub> )	7 %
Magnesium (MgO)	2.5 %
Boron (B)	0.5 %
Calcium (CaO)	6 %
Copper (Cu)	0.5 %
Iron (Fe)	3.5 %
Manganese (Mn)	3.5 %
Zinc (ZnO)	9.5 %
EDTA Chelate	



### **PULCU Combi Flex**

#### **Guaranteed Content (w/w)**

Sulfur (SO <sub>3</sub> )	5 %
Boron (B)	0.25 %
Calcium (CaO)	1.5 %
Copper (Cu)	0.5 %
Iron (Fe)	2 %
Manganese (Mn)	4 %
Zinc (ZnO)	3 %
EDTA Chelate	



### **PULCU Combi Root**

#### **Guaranteed Content (w/w)**

Sulfur (SO <sub>3</sub> )	14 %
Boron (B)	1.2 %
Calcium (CaO)	0.5 %
Copper (Cu)	1.2 %
Manganese (Mn)	6 %
Iron (Fe)	15 %
Zinc (ZnO)	8 %
EDTA Chelate	



### **PULCU Combi Crop**

#### **Guaranteed Content (w/w)**

Sulfur (SO <sub>3</sub> )	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	



### **PULCU Combi Magi**

#### **Guaranteed Content (w/w)**

Sulfur (SO <sub>3</sub> )	3.5 %
Magnesium (MgO)	16.5 %
Boron (B)	0.25 %
Copper (Cu)	1 %
Iron (Fe)	1 %
Manganese (Mn)	3 %
Zinc (ZnO)	3 %
EDTA Chelate	



### **PULCU Combi Gold**

#### **Guaranteed Content (w/w)**

Sulfur (So <sub>3</sub> )	8 %
Magnesium (MgO)	10 %
Boron (B)	0.25 %
Copper (Cu)	1 %
Iron (Fe)	3 %
Manganese (Mn)	3 %
Zinc (ZnO)	5 %
EDTA Chelate	



## PULCU Combi Copper

Guaranteed Content (w/w)

Copper (Cu)	6%
Sulfur (SO <sub>3</sub> )	8%
EDTA Chelate	



## PULCU Combi Iron

Guaranteed Content (w/w)

Iron (Fe)	30 %
Sulfur (SO <sub>3</sub> )	15 %
EDTA Chelate	



## PULCU Combi Magnium

Guaranteed Content (w/w)

Magnesium (MgO)	21 %
Sulfur (SO <sub>3</sub> )	10 %
EDTA Chelate	



## PULCU Combi Zinc 35

Guaranteed Content (w/w)

Sulfur (SO <sub>3</sub> )	15 %
Zinc (ZnO)	35 %
EDTA Chelate	



## PULCU Combi Zinc 20

Guaranteed Content (w/w)

Sulfur (SO <sub>3</sub> )	10 %
Zinc (ZnO)	20 %
EDTA Chelate	



## PULCU Combi Zinc 6

Guaranteed Content (w/w)

Sulfur (SO <sub>3</sub> )	8 %
Zinc (ZnO)	6 %
EDTA Chelate	

*Pulcu  
Combi Micro Element Granules*



*The only micro element  
products in the world  
that can be applied to soil!*

*We have all and more!*



## PULCU Potas 46

### Guaranteed Content (w/w)

Total Nitrogen (N)	13%
Nitrate Nitrogen (N)	13%
Potassium (K <sub>2</sub> O)	46%

## POTASSIUM NITRATE

### Description

*Pulcu Potas 46* is one of the ideal fertilizers for healthy development of the plant, high yield and quality product. Fruits of plants fed with sufficient amounts of potassium become more delicious, more juicy and coarse due to their high sugar content. Drip system can be applied in vegetable greenhouses or fields with 10-15 days intervals.

## POTASSIUM SULFATE POWDER

### Description

*Pulcu Potas 50* is chlorine-free and completely soluble in water. It is a preferred product for plants with high potassium and sulfur demand in hydroponic production. Increases fruit weight. Gives vitality to fruit color. Provides early maturation. Provides resistance to drought, salinity and cold. Provides high aroma and flavor formation.



## PULCU Potas 50

### Guaranteed Content (w/w)

Water Soluble Potassium (K <sub>2</sub> O)	50%
Sulfur (S <sub>o</sub> 3)	18%



## PULCU MKP 0-52-34

### Guaranteed Content (w/w)

Phosphorus (P <sub>2</sub> O <sub>5</sub> )	52%
Potassium (K <sub>2</sub> O)	34%

### Description

*Pulcu MKP* is a fertilizer that is completely soluble in water and contains a high proportion of strong phosphorus and potassium macro elements. It is used safely in all agricultural applications with its chlorine-sodium-free property. Accelerates root growth. Provides homogenous flowering. It gives plant resistance and resistance against cold.



## PULCU MAP 12-61-0

### Guaranteed Content (w/w)

Total Nitrogen (N)	12%
Ammonium Nitrogen (NH <sub>3</sub> -N)	12%
Phosphorus (P <sub>2</sub> O <sub>5</sub> )	61%

### Description

*Pulcu MAP* is used as a source of phosphorus and promotes the formation of healthy green parts in the plant with fringing and flowering. Increases root growth and flowering. Increases fruit formation and yield. Provides homogeneous flowering. It gives plant resistance and resistance against cold.

### Description

*Pulcu M Sulfate* is a water soluble fertilizer containing 16% MgO. Magnesium, another mineral that a healthy plant needs, is the building block of chlorophyll molecules in the leaves. Anion-cation balance and pH values of the leaves of a plant which can get enough magnesium from the soil are realized at the desired level. The plant is capable of healthier photosynthesis and provides maximum benefit from sunlight and develops accordingly.



## PULCU Magnesium Sulfate

### Guaranteed Content (w/w)

Water Soluble Magnesium Sulfate (MgSO <sub>4</sub> )	16%
Water Soluble Sulfur Tri Oxide (SO <sub>3</sub> )	32%
Water Soluble Sulfur (S)	13%



## PULCU Manesium Nitrate

### Guaranteed Content (w/w)

Phosphorus (P <sub>2</sub> O <sub>5</sub> )	52%
Potassium (K <sub>2</sub> O)	34%

### Description

*Pulcu M Nitrate* fertilizer is very suitable for removing magnesium deficiency in plants, completely soluble in water, pure and crystal form fertilizer. It contains 15% MgO and 11% nitrate nitrogen. Nitrate, because it facilitates the uptake of magnesium in plants.

*Pulcu M Nitrate* is a good magnesium carrier. As it dissolves easily in water, it is suitable for foliar applications and nutrient solutions.



## PULCU UP 44

### Guaranteed Content (w/w)

Total Urea Nitrogen (N)	17%
Total Phosphorus (P <sub>2</sub> O <sub>5</sub> )	44%

## UREA PHOSPHATE

### Description

*Pulcu UP-44* is a completely water soluble phosphate fertilizer in the form of a white crystalline powder. It is used as raw material in the production of a wide variety of NPK fertilizers with and without trace elements. Due to its physical and chemical properties, it is particularly effective when used for fertigation.



# Pulcu Straight Fertilizers

## CALCIUM NITRATE

### Description

Calcium is a plant nutrient consumed by plants. Plants cannot grow without calcium. It promotes plant uptake of elements such as potassium, calcium and magnesium.



## PULCU Calnit

### Guaranteed Content (w/w)

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







## PULCU DAP 18-46

Guaranteed Content (w/w)

Total Nitrogen (N)	18 %
Total Phosphorus (P2O5)	46 %



## PULCU UREA 46

Guaranteed Content (w/w)

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



## PULCU POTAS 35

Guaranteed Content (w/w)

Potassium (K2O)	35 %
Sulfur (So3)	40 %



Potassium Sulfate Granular

## PULCU POTAS 50

Guaranteed Content (w/w)

Potassium (K2O)	50 %
Sulfur (So3)	46 %



Tripple Super Phosphate

## PULCU TSP

Guaranteed Content (w/w)

Total Phosphorus (P)	42 %
Total Phosphorus (P2O5)	42 %



## PULCU AN 33

Guaranteed Content (w/w)

Total Nitrogen (N)	33 %
Ammonium Nitrogen (NH3-N)	16.5 %
Nitrate Nitrogen (N)	16.5 %



Crystal

## PULCU AS 21

Guaranteed Content (w/w)

Nitrogen (N)	21 %
Sulfur (So3)	24 %



DCD Inhibitor

## PULCU AS 21

Guaranteed Content (w/w)

Total Nitrogen (N)	21 %
Ammonium Nitrogen (NH4-N)	20.4 %
Dicyandiamide Nitrogen	0.6 %

## Description

*Pulcu Potas 35* is a high quality fertilizer containing organic potassium, sulfur and calcium obtained from plants.

Since *Pulcu Potas 35* is a natural fertilizer obtained from plants, its uptake by plants is much faster than chemical fertilizers.

*Pulcu Potas 35* is more difficult to wash from soil.

Helps lower pH in soils with high pH. It creates a suitable environment for nutrition.

*Pulcu Potas 35* meets the need of Potassium, Sulfur and Calcium organically, which is high need of the plant during fruit period.

## Guaranteed Content (w/w)

Potassium (K <sub>2</sub> O)	35%
Sulfur (S <sub>o3</sub> )	40%

*Pulcu Potas 35* ensures that your products are natural and high quality.



## Application

Seedlings	The time and amount of use for all plants may vary depending on the structure of the soil. In general, after planting 500-600 gr decare is given with drip irrigation water.
Greenhouse Vegetables	The first application is started after planting. It is applied with drip irrigation water 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 the displace, it is applied with 500-1000 gr of drip irrigation water per decare. This application is terminated 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 g per decare during 750-1000 g clustering period. However, if the release is to be administered by irrigation, the application dose should be increased by one fold.
Foliar Application	200-250 g per 100 liters of water in vegetables for four or five repetitions. For fruit trees, 350-400 gr is applied to 100 liters of water.

# Pulcu Sulfur

## Description

Slow release pure sulfur can be used as a plant nutrient source or as soil modification in alkaline and saline soils. The unique type of degradable pure sulfur enables efficient uptake of sulfur by plants. It can be blended with other fertilizers such as NPKs. Supports plant growth, increases yield and improves the quality of products. It has a very low dust content and therefore complies with environmental standards. Many plants contain high percentage of sulfur, which plays an important role in the process. Proteins, fats, chlorophyll, enzymes, hormones and vitamins. Suitable for all crops including cereals, vegetables, grass, shrubs, trees and field crops. Consistently sized. Convenient flow, easy to use, store and apply.

## Application Doses

Farm plants	30 - 60 kg/Ha
Vegetables	50 - 100 kg/Ha
Trees	1 - 2 Kg /Tree
Grain & Corn	30 - 50 kg/Ha
Grass	20 - 40 kg/Ha

## Guaranteed Content

Sulfur (S)	99.9 %
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## Pulcu Sulfur SC 80

*Pulcu Sulfur SC 80* is an effective product that can be applied to dissolve lime and salinity of soil, increase soil acidity and lower soil pH. In addition, it breathes the soil and adjusts its blood pressure, it helps to adjust the temperature of the soil in cold months. It facilitates the uptake of macro (nitrogen, phosphorus, potas and similar) and micro (zinc, iron, cobalt, manganese nutrients that the soil cannot take due to high pH. Since it is in the form of elemental sulfur, it is about four times more effective than sulfate and the like sulfur forms. The total sulfur (S) content is 80% on average. This ratio corresponds to 200% of total SO<sub>3</sub> (sulfur dioxide) source. Due to its elemental S form, it is an effective product that can be used in soil improvement. Does not damage the greenhouse cover. Usage amounts vary according to soil pH level and structure.

## Application Doses

Farm plants	30 - 60 kg/Ha
Vegetables	50 - 100 kg/Ha
Trees	1 - 2 Kg /Tree
Grain & Corn	30 - 50 kg/Ha
Grass	20 - 40 kg/Ha

## Guaranteed Content

Sulfur (S)	99.9 %
------------	--------



## Description

**Micro pH acidification in the root zone** : The plant continues to develop without stress.

**Salinity reduction**

: Allows the sodium in the root area to be pushed down.

**Neutralization of irrigation water**

: Lowering the pH value of irrigation water provides maximum benefit from loans.

**Better harvesting of applied fertilizer**

: Provides maximum benefit from applied fertilizer since the pH of irrigation water and soil is neutralized.

**Acidification of micro pH in the root zone**: The plant continues to develop without stress.

**Desalination**

: Provides the pushing down of sodium in the root area. It reduces the pH of the irrigation water and ensures maximum benefit from the applied fertilizer.

**Balanced nitrogen supply**

: Thanks to the LCN complex, the urea nitrogen is released in a balanced manner in the form of  $NH_4$  and  $NO_3$ . In this way, nitrate-induced alkalization in the root area is prevented.

Mobilization of the bound elements in the rhizosphere: Since the pH in the root zone is reduced, the nutrients previously bound in this zone can be taken up by the plant.

**Better removal of applied fertilizer** : Since the pH of the irrigation water and soil is neutralized, the plant provides maximum benefit from the applied fertilizer. It provides better development of vegetative and generative components thanks to its cytokine derivatives. The plant gains resistance to stress.

## Application Doses

*Pulcu Sulfacid* can be used throughout the entire plant development.

*Pulcu Sulfacid* can be used with water-soluble trace elements.

100-200 ml / 1000lt water

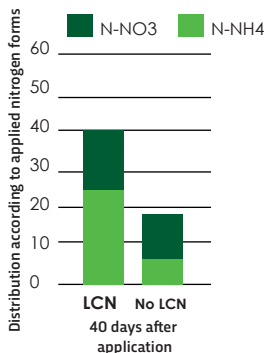
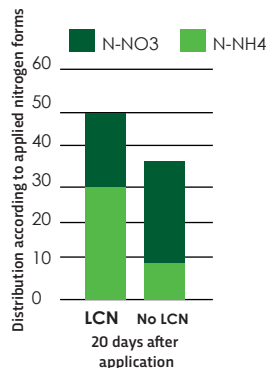
## Guaranteed Content

Nitrogen (N)

16%

Sulfur (S)

40%





ALL YOU NEED FOR TO *MAXIMIZE CROP HEALTH*  
*MAXIMIZE YIELD*

