VİTAMİN

GÜBRE TARIM A.Ş

GENERAL PRODUCT CATALOG

1500 ton/day Osmaniye NPK Factory

ABOUT US

We have carried out all our experience on fertilizer market and production, professional manufacturing and sales engineers, professional finance and manufacturing personnel which has been built up since 2005 to Vitamin Gubre Tarım A.S.

We continue to serve regional countries' and Turkish agriculture, our esteemed distributor and farmers with Vitamin Fertilizer

Our service flow goes on flawlessly with our 1500 tons of daily production in Osmaniye OSB NPK Factory and 3000 tons of daily loading capacity in Osmaniye and Erzin warehouses.

We are a significant manufacturer in the fertilizer market with our 400.000 tons of annual NPK production. Our factory mostly offers specifically formulized fertilizer with the sense of environmentalism trough soil and plant analyses, rather than import fertilizer

Our approach to production is; Contributing to the longevity of the soil.
We offer chemical, slow release, organomineral, pure and water soluble 31 kinds of Vitamin Fertilizer through our production and import to regional countries' and Turkish agriculture

Our aim is; to create values for whole humanity and to work non-stop for a better future

"Better than yesterday, hopeful for the future"

VİTAMİN
GÜBRE TARIM A.Ş

**"Different nutrition,
outgrowing plantation"**

PRODUCTS

SPECIAL CHEMICAL BASE FERTILIZERS

15PLUS 15-15-15+15SO3+0,5Zn
POWER 13-24-12+10SO3+0,1 B+0,5Zn
POLAR 10-25-20+11SO3+0,5Zn
PANCAR 12-30-12
TEADEM 25-5-10

CLASSICAL FERTILIZERS

15-15-15+10 SO3
15-15-15+10 SO3+1 Zn
20-20-0+15SO3
20-20-0+15SO3+1 Zn
DAP 18-46-0

NITROGEN FERTILIZERS

ULTRANITRO 33 N +25 SO3 (Granule)
ULTRANITRO 33 N +25 SO3 (Crystal) UREA 46 N
AMMONIUM SULPHATE 21 N

SLOW RELEASE BASE AND NITROGEN FERTILIZERS

FERGROW BLUE 12-12-17+15SO3+2MgO+ 0,5Zn+0,02Bor
FERGROW RED 13-16-8+15SO3+4Fe+2 MgO
FERGROW GREEN 20-10-10+7SO3
FERGROW SLOW 34 N
FERGROW SLOW 46 N
FERGROW SLOW 21 N

ORGANOMINERAL BASE FERTILIZERS

VERIM 12-18-12+10 SO3+4CaO +0,5 Zn+15 O.M+7 H.F
BASAK 11-21-5+10SO3+0,5Zn+15 O.M+7 H.F
DENGE 11-11-11+11SO3+0,5Zn+15 O.M+7 H.F RANDIMAN
12-15-5+10SO3+0,5Zn+15 O.M.+7 H.F.

WATER SOLLUBLE CHEMICAL FERTILIZERS

NPK POTAS 5-5-45
FERGROW MAP 12-61-0
FERGROW CALCIUM NITRATE 15,5N+26CaO
FERGROW POTASIUM SULPHATE 0-0-51+18S
FERGROW MAGNESIUM NITRATE 11-0-0+15MgO
FERGROW MOP POTASIUM CHLORIDE 0-0-62
FERGROW BALANCE 18-18-18+TE

15 PLUS NPK 15-15-15+15SO_3+0,5Zn

SPECIAL CHEMICAL BASE FERTILIZER

Perfectly combined balanced and 5 elements under soil compund base fertilizer

It is an effective fertilizer which increases quality and yield in all fruit trees, citrus, orchard, olive, banana, nut, pistachio gardens.

It creates high yield and quality in tomato, pepper,cucumber and winter vegetable farming.

It is a suitable fertilizer for Potatoes, Onion, Soy, Pistachio, Sunflower(nut-oil).

In its formule which has got Nitrogen, Phosphorus, Potasium and Sulphur, the Zinc source is in sulphate form.

It gives endurance against cold, drought and sicknesses in especially Fruit trees with high Potassium rate.
It contains highly soluble phosphorus

GUARANTEED CONTENT	% W/W
Total Nitrogen (N)	15
Ammonium Nitrogen (N-NH_4)	8
Urea Nitrogen (N-NH_2)	7
Phosphorus Penta Oxide solluble in Neutral Ammonium Citrate and Water (P_2O_5)	15
Phosphorus Penta Oxide solluble in Water (P_2O_5)	14
Potassium Oxide soluble in Water (K_2O)	15
Water Soluble Sulphur Trioxide (SO_3)	15
Water Soluble Zinc (Zn)	0,5

USAGE	
Crop Design	Dosage by crops Kg/da
Sugar beet	50-60
Potatoes	90-100
Corn	50-60
Onion / Carrot	50-60
Cotton / Peanut	40-50
Open Field Vegetables	50-60
Wheat / Barley	25-35
Fruit Trees / Considering Age	1-4 kg/tree

POWER 13-24-12+10SO_3+0,1 B+0,5Zn

It is a balanced nutrition source for plants with perfectly combined 6 kind of nutrition.

It has got Nitrogen, Phosphorus and Potassium , additionally Sulphur for crop increase, Zinc for increasing fruit and sprout count, Boron for increasing fruit count, preventing flower loss in fruit trees and empty tips in Sugar beet farming.

It is preferred because of rich contains as a an alternative to classical fertilizers.

It supply strong roots, healthy growth and harvest of fruits with long shelf life.

It is an undersoil compound base fertilizer suitable for all vegetable and furit farming especially on Sugar beet, Corn, Cereals, Seed potatoes.

GUARANTEED CONTENT	% W/W
Total Nitrogen (N)	13
Ammonium Nitrogen ($N\text{-}NH_4$)	8
Urea Nitrogen ($N\text{-}NH_2$)	5
Phosphorus Penta Oxide solluble in Neutral Ammonium Citrate and Water (P_2O_5)	24
Phosphorus Penta Oxide solluble in Water (P_2O_5)	21
Potassium Oxide soluble in Water (K_2O)	12
Water Soluble Sulphur Trioxide (SO_3)	10
Total Boron (B_2O_3)	0,1
Water Soluble Zinc (Zn)	0,5

USAGE	
Crop Design	Dosage by crops Kg/da
Sugar beet	50-60
Potatoes	80-100
Corn	50-60
Cotton / Onion	40-50
Open Field Vegetables	50-60
Wheat / Barley/ Oil seeds	25-35
Fruit trees / Considering age	1-4 kg/tree

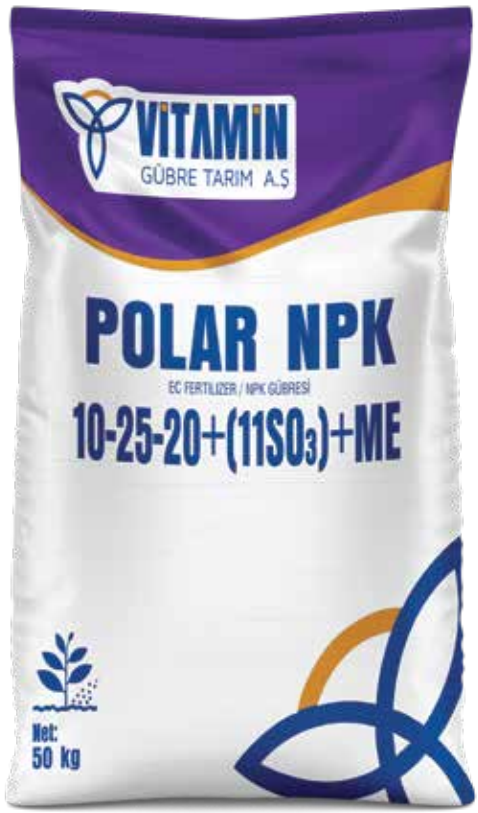
POLAR NPK 10-25-20+11SO_3+0,5Zn

5 element hihg phosphorus contained compound base fertilizer.

It contains Zinc which is an important nutritional element for the plants with lack of it due to low rates in Turkish Turkey soil and an important nutrition Sulphur in addition to Nitrogen, Phposphorus and Potassium.

Altough it is manufactured specifically to he used in Sugar beet, it is used in cereals, vegetables and fruits as a base fertilizer.

It contributes to Polar value in Sugar beet with high potassium rate.



GUARANTEED CONTENT	% W/W
Total Nitrogen (N)	10
Ammonium Nitrogen (N-NH_4)	7,5
Urea Nitrogen (N-NH_2)	2,5
Phosphorus Penta Oxide solluble in Neutral Ammonium Citrate and Water (P_2O_5)	25
Phosphorus Penta Oxide solluble in Water (P_2O_5)	22
Potassium Oxide soluble in Water (K_2O)	20
Water Soluble Sulphur Trioxide (SO_3)	11
Water Soluble Zinc (Zn)	0,5

USAGE	
Crop Design	Dosage by crops Kg/da
Sugar beet	50-60
Potatoes	80-90
Corn	50-60
Cotton / Onion	40-50
Open Field Vegetables	50-60
Wheat / Barley/ Oil seeds	25-35
Fruit trees/ Considering age	1-4 kg/tree

BEET NPK 12-30-12

It is a compound base fertilizer which contains Nitrogen, Phosphorus and Potassium.

Altough it is manufactured specifically for Sugar beet, it is used in Cereals, Potatoes, Cotton, Corn, Peanut, Canola, Sunflower and Legumes. It is suitable to use as a base fertilizer in fruit trees, vegetables, other farm plants and greenhouses.

GUARANTEED CONTENT	% W/W
Total Nitrogen (N)	12
Ammonium Nitrogen ($N\text{-}NH_4$)	9
Urea Nitrogen ($N\text{-}NH_2$)	3
Phosphorus Penta Oxide solluble in Neutral Ammonium Citrate and Water (P_2O_5)	30
Phosphorus Penta Oxide solluble in Water (P_2O_5)	26
Potassium Oxide soluble in Water (K_2O)	12

USAGE	
Crop Design	**Dosage by crops Kg/da**
Sugar beet	50-60
Potatoes	70-80
Corn	50-60
Open Field Vegetables	50-60
Wheat / Barley/ Oil seeds	25-35

TEADEM NPK 25-5-10

It is a compound fertilizer with high Nitrogen, Phosphorus and Potassium specifically manufactured for tea.

It also can be used in edible leaf vegetables and grass fields. Nitrogen helps the plants for a healthy growth. Phosphorus and Potassium increases endurance of the plant with branch and tillering. Nitrogen rate in the fertilizer is higher than Potassium and Phosphorus because tea absorbs high amounts of Nitrogen from soil. Nitrogen and tea leaf quality correlated directly.

USAGE	
Crop Design	Dosage by crops Kg/da
Tea	90-100
Corn	50-60
Nut (Considering age)	1-3 kg/tree
Citrus (Considering age)	1-4 kg/tree
Open Field Vegetables	50-60

GUARANTEED CONTENT	% W/W
Total Nitrogen (N)	25
Ammonium Nitrogen ($N\text{-}NH_4$)	7,5
Urea Nitrogen ($N\text{-}NH_2$)	17,5
Phosphorus Penta Oxide solluble in Neutral Ammonium Citrate and Water (P_2O_5)	5
Phosphorus Penta Oxide solluble in Water (P_2O_5)	4,5
Potassium Oxide soluble in Water (K_2O)	10

15-15-15+10SO_3

NPK WITH SULPHUR

SPECIAL CHEMICAL BASE FERTILIZER

Balanced but also same rate, Nitrogen, Phosphorus, and Potassium and Sulphur containing under soil compound base fertilizer.

It is used in plants that has got important fruit and piece quality. It is also used in Potassium poor soils and potassium necessary plants.

It is a fertilizer preferred in Citrus, Vegetable, Fruits, Cotton, Pistachio and Sunflower farming. It is used in other plants as well.It prevents laying down in cereals with a strong stem. It must be applied to seeding or root depth with planting or before planting if you will use as a base fertilizer.

USAGE	
Crop Design	Dosage by crops Kg/da
Sugar beet	50-60
Potatoes	80-100
Corn	50-60
Onion / Carrot	50-60
Cotton / Peanut	40-50
Open Field Vegetables Wheat / Barley/	50-60
Oil seeds	25-35
Fruit Trees/ Considering age	1-4 kg/tree

CONTENU GARANTI	% W/W
Total Nitrogen (N)	15
Ammonium Nitrogen (N-NH_4)	7,5
Urea Nitrogen (N-NH_2)	7,5
Phosphorus Penta Oxide solluble in Neutral Ammonium Citrate and Water (P_2O_5)	15
Phosphorus Penta Oxide solluble in Water (P_2O_5)	11
Phosphorus Penta Oxide solluble in only mineral acids (P_2O_5)	2
Potassium Oxide soluble in Water (K_2O)	15
Water Soluble Sulphur (SO_3)	10

15-15-15+10 SO_3+1 Zn

NPK WITH SULPHUR AND ZINC

It is a balanced under soil compound base fertilizer with Nitrogen, Phosphorus and Potassium and Sulphur and 1% Zinc It is applied in Zinc poor soils.

Zinc is an element which is needed by plants in growth phase 15-15-15+10SO3+1Zn contains main n utritional elements as well as Zinc for a healthy growth. It is used in fruits and vegetables other than cereals.

It should be applied right before planting or with planting to the depth or root.

GUARANTEED CONTENT	% W/W
Total Nitrogen (N)	15
Ammonium Nitrogen (N-NH_4)	7,5
Urea Nitrogen (N-NH_2)	7,5
Phosphorus Penta Oxide solluble in Neutral Ammonium Citrate and Water (P_2O_5)	15
Phosphorus Penta Oxide solluble in Water (P_2O_5)	11
Phosphorus Penta Oxide solluble in only mineral acids (P_2O_5)	2
Potassium Oxide soluble in Water (K_2O)	15
Water Soluble Sulphur Trioxide (SO_3)	10
Total Zinc (Zn)	1

Crop Design	
Crop Design	**Dosage by crops Kg/da**
Sugar beet	50-60
Potatoes	80-100
Corn	50-60
Onion / Carrot	50-60
Cotton / Peanut	40-50
Open Field Vegetables Wheat / Barley/	50-60
Oil seeds	25-35
Fruit trees / Considering age	1-4 kg/tree

20-20-0+15SO_3

NP WITH SULPHUR

It contains equal rates of Nitrogen and Phosphorus, it is base fertilizer with Sulphur.

It is used as a base fertilizer in planting on all plants especially for Grains, Cotton, Sunflower and Corn. It affects root and stem form in plants. IT is an under soil base fertilizer.

It can be applied to plant root depth or seed depth by buried so that the plant can benefit from Phosphorus all along growth.

GUARANTEED CONTENT	% W/W
Total Nitrogen (N)	20
Ammonium Nitrogen (N-NH_4)	10
Urea Nitrogen (N-NH2)	10
Phosphorus Penta Oxide solluble in Neutral Ammonium Citrate and Water (P_2O_5)	20
Phosphorus Penta Oxide solluble in Water (P_2O_5)	14
Phosphorus Penta Oxide solluble in only mineral acids (P_2O_5)	2
Water Soluble Sulphur Trioxide (SO_3)	15

USAGE	
Crop Design	Dosage by crops Kg/da
Corn	50-60
Cotton	40-50
Open Field Vegetables	50-60
Wheat / Barley/ Oil seeds	25-35

20-20-0+15SO_3+1 Zn

NP WITH SULPHUR AND ZINC

It is the mostly used base fertilizer with equal Nitrogen and Phosphorus, 1% Zinc and Sulphur.

Zinc along with the Nitrogen and phosphorus has got a significant role in the plant growth. Lack of Zinc makes the plants shorter than normal values. Zinc increase the endurance to the winter cold. It prevents fruit loss and increase the quality. It should be applied as a band in grain drill use by burying to seed or root depth. It is used in all plants especially in field plants.

GUARANTEED CONTENT	% W/W
Total Nitrogen (N)	20
Ammonium Nitrogen (N-NH_4)	10
Urea Nitrogen (N-NH_2)	10
Phosphorus Penta Oxide solluble in Neutral Ammonium Citrate and Water (P_2O_5)	20
Phosphorus Penta Oxide solluble in Water (P_2O_5)	14
Phosphorus Penta Oxide solluble in only mineral acids (P_2O_5)	2
Water Soluble Sulphur Trioxide (SO_3)	15
Total Zinc (Zn)	1

USAGE	
Crop Design	Dosage by crops Kg/da
Corn	50-60
Cotton	40-50
Open Field Vegetables	50-60
Wheat / Barley/ Oil seeds	25-35

DAP 18-46-0

Diammonium Phosphate

It is a compound fertilizer contains two important plant nutrition material such as Nitrogen and Phosphorus.

It speeds up root growth and strengthens root structure in the early phases of the plant growth due to its high rate of Phosphorus. It provides blossoming to increase fruit count. Lack of phosphorus makes yield and quality decrease. It should be applied to root or seed depth with planting.

It should be use right before planting in spring planting plants.

GUARANTEED CONTENT	% W/W
Total Nitrogen (N)	18
Ammonium Nitrogen ($N\text{-}NH_4$)	18
Phosphorus Penta Oxide solluble in Neutral Ammonium Citrate and Water (P_2O_5)	46
Phosphorus Penta Oxide solluble in Water (P_2O_5)	42

USAGE	
Crop Design	Dosage by crops Kg/da
Corn	40-50
Cotton	40-50
Open Field Vegetables	40-50
Wheat / Barley/ Oil seeds	20-30

ULTRANİTRO 33 N +25 SO_3

Green Granule

NITROGEN FERTILIZERS

It contains 33 N +25 SO3 9% Ammonium Nitrogen, 24% Urea Nitrogen and 25% Sulphur, fast acting granule top fertilizer.

Plants absorbs the ammonium nitrogen inside and Sulphur changes urea nitrogen to an absorbable form. It provides homogenic and effective nutrition when there is a necessity for two different nitrogen source. Urea nitrogen grows the plant vertically, ammonium nitrogen grows the plant horizontally.

Nitrogen affect will last longer and become faster due to the Sulphur inside. You can use it in all plants which needs Urea and Ammonium Nitrogen by spreading or during hoe session.

USAGE	
Crop Design	Dosage by crops Kg/da
Wheat / Barley /Oil seeds	30-35
Potatoes (With Hoe)	50-60
Corn (With Hoe)	50-60
Cotton /Peanut/Onion	40-50
Open Field Vegetables	40-60
Sugar beet (With Hoe)	50-60
Fruit trees / Considering age	1-3 kg/tree

GUARANTEED CONTENT	% W/W
Total Nitrogen (N)	33
Ammonium Nitrogen ($N\text{-}NH_4$)	9
Urea Nitrogen ($N\text{-}NH_2$)	24
Water Soluble Sulphur Trioxide (SO_3)	25

ULTRANİTRO 33 N +25 SO_3

Yellow Crystal

It is a fast acting fertilizer with special nitrogen, 9% Ammonium nitrogen, 24 % Urea nitrogen and 25% Sulphur.

It is manufactured as 100% water soluble yellow crystal. Plants absorbs the ammonium nitrogen inside and Sulphur changes urea nitrogen to an absorbable form. It provides homogenic and effective nutrition when there is a necessity for two different nitrogen source. Urea nitrogen grows the plant vertically, ammonium nitrogen grows the plant horizontally.

Nitrogen affect will be faster and longer due to Sulphur inside. It is not flammable or explosive. Nitrogen wash and vaporization is minimum due to no Nitrate Nitrogen. It can be applied by drip and sprinkle irrigation to all plants for top nitrogen fertilizing.

% 100 Water Soluble

USAGE	
Crop Design	Dosage by crops Kg/da
Wheat / Barley /Oil seeds	30-35
Potatoes (Sprinkle irrigation)	50-60
Corn (Drip irrigation)	40-50
Cotton / Peanut / Onion	40-50
Open Field Vegetables	40-60
Sugar beet (With Sprinkle)	50-60
Greenhouse Vegetables (along the season)	50-70
Banana	70-90
Strawberry (along the season)	50-60
Fruit Trees /Considering age	1-4 kg/tree
Grape	40-60 kg/da

GUARANTEED CONTENT	**% W/W**
Total Nitrogen (N)	33
Ammonium Nitrogen ($N\text{-}NH_4$)	9
Urea Nitrogen ($N\text{-}NH_2$)	24
Water Soluble Sulphur Trioxide (SO_3)	25

UREA 46 N

It is a water soluble white granule fertilizer that has got the most nitrogen inside. Urea affects root and stem growth as well as blossoming in the right amounts.

It supports green stem formation and causes yield increase. Plant growth slows down when it is given in low amounts. Urea should not be applied near to the root and seeds. It can be used in planting in Autumn and top fertilizer in Spring. It would be beneficial in Spring applications to burry under a bit to prevent Nitrogen vaporization.

USAGE	
Crop Design	Dosage by crops Kg/da
Wheat / Barley/ Oil seeds	25-35
Potatoes (With Hoe)	50-60
Corn (With Hoe)	50-60
Cotton / Peanut / Onion	40-50
Open Field Vegetables	40-60
Sugar beet (With Hoe)	50-60
Greenhouse Vegetables (along the season)	50-70
Banana	70-90
Strawberry (along the season) Grape	50-60
Fruit Trees/ Considering age	1-3 kg/tree

GUARANTEED CONTENT	% W/W
Total Nitrogen (N)	46
Urea Nitrogen ($N\text{-}NH_2$)	46

AMMONIUM SULPHATE %21 N

It is a Nitrogen source in Ammonium form with high Sulphur rate. It contains Sulphur along with the nitrogen in addition to other nitrogen fertilizer.

It is a valuable nutrition source for soils with poor Nitrogen and Sulphur.

It is known as "sugar fertilizer" due to its crystal form among farmers. Sulphur that is in sulphate form is enough to supply all necessity of the crops.

It is manufactured as Granule as well as Crystal

USAGE	
Crop Design	Dosage by crops Kg/da
Potatoes (Sprinkle irrigation)	50-60
Onion / Carrot / Turp	40-50
Cotton / Peanut / Clover	40-50
Open Field Vegetables	40-60
Sugar beet (Sprinkle irrigation)	50-60
Fruit Trees /Considering age	1-4 kg/tree

GUARANTEED CONTENT	% W/W
Total Nitrogen (N)	21
Ammonium Nitrogen ($N\text{-}NH_4$)	21

FERGROW BLUE 12-12-17+15SO_3+2MgO+ 0,5Zn+0,02Bor

Blue Granule

SLOW RELEASE FERTILIZERS

It is a 7 elements, DCD inhibitor balanced blue granule base fertilizer.

You can use this Boron containing, Nitrogen, Phosphorus, Sulphur, Magnesium and Zinc base fertilizer which decreases flower loss especially in grape yards, olive, nuts, pistachio, garden and field vegetables along with the all crops as undersoil fertilizer.

It is combined to supply all necessary nutrition for a high yield with balanced amounts of Nitrogen, Phosphorus, Potassium and micro elements.

GUARANTEED CONTENT	% W/W
Total Nitrogen (N)	12
Ammonium Nitrogen (N-NH_4)	6
Urea Nitrogen (N-NH_2)	6
Phosphorus Penta Oxide solluble in Neutral Ammonium Citrate and Water (P_2O_5)	12
Phosphorus Penta Oxide solluble in Water (P_2O_5)	10
Potassium Oxide soluble in Water (K_2O)	17
Water Soluble Sulphur Trioxide (SO_3)	15
Water Soluble Zinc (Zn)	0,5
Total Boron (B_2O_3)	0,02
Water soluble Magnesium Oxide (MgO)	2
Dicyandiamide DCD inhibitor	0,4

USAGE	
Crop Design	Dosage by crops Kg/da
Edible leaf and stem crops.	40-50
Potatoes	80-90
Cotton / Corn	40-50
Onion / Carrot / Turp	40-50
Ornamental Plants	40-45
Open Field Vegetables ve Grape	50-60
Greenhouse Vegetables	70-80
Banana	90-110
Fruit Trees /Considering age	1-3 kg/tree
Nut (Considering age)	1-3 kg/tree

FERGROW RED 13-16-8+15SO_3+4Fe+2 MgO

Red Granule

It is a granule base fertilizer with 6 elements and DCD inhibitor.

You can use this base fertilizer with Nitrogen, Phosphorus, Potassium, Sulphur, Magnesium and Iron on all garden and vegetables farming along with all the plants. It gives a perfect result in especially edible stem plants, grapes, olives, nut, pistachio, landscaping and grass.

High Iron and Magnesium rates in formule provides an intense coloring and significant quality increase.

GUARANTEED CONTENT	% W/W
Total Nitrogen (N)	13
Ammonium Nitrogen (N-NH_4)	6
Urea Nitrogen (N-NH_2)	7
Phosphorus Penta Oxide solluble in Neutral Ammonium Citrate and Water (P_2O_5)	16
Phosphorus Penta Oxide solluble in Water (P_2O_5)	14
Potassium Oxide soluble in Water (K_2O)	8
Water Soluble Sulphur Trioxide (SO_3)	15
Total Iron (Fe)	4
Water Soluble Magnesium Oxide (MgO)	2
Dicyandiamide DCD Inhibutor	0,4

USAGE	
Crop Design	Dosage by crops Kg/da
Edible leaf and stem plants	40-50
Potatoes	80-90
Cotton / Corn	40-50
Onion / Carrot / Turnip	40-50
Ornamental Plants	40-45
Open Field Vegetables ve Grape	50-60
Greenhouse Vegetables	70-80
Banana	90-110
Fruit Trees /Considering age	1-3 kg/tree
Nut (Considering age)	1-3 kg/tree

FERGROW GREEN 20-10-10+7SO_3

Green Granule

4 element DCD inhibitor green granule base fertilizer.

You can use this high nitrogen, Phosphorus, Potassium and Sulphur containing base fertilizer especially in Nut, Olive, Grape, garden and vegetable farming along with the all crop designs as an undersoil fertilizer.

It gives a perfect result in especially edible green part plants, landscaping and grass.

USAGE	
Crop Design	Dosage by crops Kg/da
Edible leaf and stem plants	40-50
Corn / Cotton	50-60
Onion / Carrot / Turp	40-50
Ornamental PLants	40-45
Open Field Vegetables	50-60
Greenhouse Vegetables	70-80
Tea	90-100
Nut/ Pistachio/ Considering age	1-3 kg/tree
Fruit trees / Considering age	1-3 kg/tree

GUARANTEED CONTENT	% W/W
Total Nitrogen (N)	20
Ammonium Nitrogen (N-NH_4)	8
Urea Nitrogen (N-NH_2)	12
Phosphorus Penta Oxide solluble in Neutral Ammonium Citrate and Water (P_2O_5)	10
Phosphorus Penta Oxide solluble in Water (P_2O_5)	9
Potassium Oxide soluble in Water (K_2O)	10
Water Soluble Sulphur Trioxide (SO_3)	7
Dicyandiamide DCD Inhibutor	0,45

FERGROW SLOW 34 N

Purple Granule

Purple color granule Nitrogen fertilizer with 9% Ammonium Nitrogen, 25% Urea nitrogen and 22% Sulphur DCD inhibitor.

Nitrogen loss is in a minimum level due to inhibitors inside. Fergrow Slow 34 N gives you opportunity of long time and affective Nitrogen fertilizing.

Especially in nut, tea and paddy(rice) fields that has got high rain fall. Paddy needs Nitrogen to grow enough amount of cluster. Therefore Nitrogen is the most important nutrition in paddy farming. Nitrogen affects the height, leaf size, cluster count in a positive way that's why it is very important to have a high yield

USAGE	
Crop Design	Dosage by crops Kg/da
Nut/ Pistachio (Considering age)	1-3 kg/tree
Paddy (Rice) (all season)	35-40
Wheat / Barley	20-30
Ornamental Plants	35-40
Open Field Vegetables	40-50
Fruit Trees/ Considering age	1-3 kg/tree

GUARANTEED CONTENT	% W/W
Total Nitrogen (N)	34
Ammonium Nitrogen ($N\text{-}NH_4$)	10
Urea Nitrogen ($N\text{-}NH_2$)	24
Water Soluble Sulphur Trioxide (SO_3)	22
Dicyandiamide DCD Inhibutor	0,8

FERGROW SLOW 46 N (Slow Release Urea)

Yellow Granule

Urea Nitrogen mostly applied to soil surface from top.

That is why Urea turns into ammonium gas and vaporizes 30-50% in field , 80% in laboratories if the inhibitors are not used.

NBPT inhibitor in Fergrow Slow 46N delays Urea to turn into ammonium around 2 weeks so that it the plant can absorb it before it turns into gas

This increase the length of Nitrogen usage time.

Urea is used mostly in Corn, Cotton, Canola, Wheat and Barley. Farmers are always stressed about the irrigation and rain but this fertilizer prevents this stress and losses. It is better than normal Urea in hot and dry weathers, less irrigation and rain on alkaline soils, organic material poor soils, stubble burn fields.

It affects the yield around 10-20% during the time of 5-6 leaf till crest, if the plant does not have the Nitrogen stress.

USAGE	
Crop Design	Dosage by crops Kg/da
Wheat / Barley / Oil seeds	20-30
Potatoes (With Hoe)	40-50
Corn (With Hoe)	40-50
Onion / Carrot	35-40
Cotton / Peanut / Yonca	35-45
Open Field Vegetables	40-50
Fruit Trees/ Considering age	1-3 kg/tree

GUARANTEED CONTENT	% W/W
Total Nitrogen	46
Urea Nitrogen ($N\text{-}NH_2$)	46
N-(n-butyl) Thiophosphoric Triamide Nbpt	0,05

FERGROW SLOW 21 N (Slow Release Ammonium Sulphate)

Green Crystal

It is an ammonium Nitrogen can be applied by sprinkle and drip irrigation on all crop designs with DCD inhibitor and slow release fertilizer.

It contains 21% Ammonium Nitrogen and 60% SO3 Sulphur. Ammonium Nitrogen and absorbable Sulphur provides phosphorus and micro element intake. It regulates pH levels in soil Fergrow Slow 21N does not get lost in ammonia form. Dosage must be regulated according to the crop design. If it will be applied by sprinkle irrigation, the irrigation must go on for a while with non fertilized water to wash the plant leaves.

It is 100% water soluble in green crystal form

It can be applied by drip or sprinkle irrigation on especially citrus farming an all the vegetable fruit plants that loves ammonium nitrogen.

USAGE	
Crop Design	Dosage by crops Kg/da
Potatoes (Sprinkle)	50-60
Corn (Drip irrigation)	40-50
Onion / Carrot	35-50
Cotton / Peanut / Clover	40-50
Open Field Vegetables	40-60
Grape	40-60
Greenhouse Vegetables (along the season)	50-70
Banana	0-90
Strawberry (along the season)	50-60
Ornamental plants	40-45
Fruit trees / Considering age	1-3 kg/tree

GUARANTEED CONTENT	**% W/W**
Total Nitrogen (N)	21
Ammonium Nitrogen ($N\text{-}NH_4$)	21
Water Soluble Sulphur Trioxide (SO_3)	60
Dicyandiamide DCD Inhibutor	0,48

VERİM 12-18-12+10SO_3+4CaO +0,5 Zn+15 O.M+7 H.F

ORGANOMINERAL BASE FERTILIZER

It is a rich base fertilizer with 6 elements, Nitrogen, high phosphorus, Potasium, Sulphur, Calcium and Zinc. It gives perfect results in all crop designs especially Potatoes, Sugar beet, Corn, Cotton, Grape yard, Olive, Fruit, Vegetables farming.

It is a special under soil base fertilizer which contains plant nutritional minerals in chemical fertilizers and organic material, Sulphur, free calcium, zinc trace elements, in addition to other benefits for soil and crops like humic fulvic acid.

Organic materials inside contributes to organic material rate which is almost absent in our fields' soils and longevity of the soil Humic-fulvic acid provides early awake to the seed.

GUARANTEED CONTENT	% W/W
Total Nitrogen (N)	12
Ammonium Nitrogen (N-NH_4)	6
Urea Nitrogen (N-NH_2)	6
Phosphorus Penta Oxide solluble in Neutral Ammonium Citrate and Water (P_2O_5)	18
Phosphorus Penta Oxide solluble in Water (P_2O_5)	15,5
Potassium Oxide soluble in Water (K_2O)	12
Water Soluble Sulphur Trioxide (SO_3)	10
Water Soluble Zinc (Zn)	0,5
Total CalciumOxide (CaO)	4
Organic Material	15
Total (Humic+Fulvic acid)	7

USAGE	
Crop Design	Dosage by crops Kg/da
Sugar beet / Corn / Onion	50-60
Potatoes	90-100
Cotton / Peanut / Clover	40-50
Open Field Vegetables	50-60
Tomatoes (Open Field)	50-60
Banana	100-120
Strawberry /Grape	60-70
Olive (Considering age)	1-4 kg/tree
Fruit Trees/ Considering age	1-3 kg/tree

BAŞAK 11-21-5+10SO_3+0,5Zn+15 O.M+7 H.F

Perfectly combined 5 elements high phosphorus compound base fertilizer. It gives perfect results especially in Wheat, Barley, Corn, and Oil seeds, Seed Potato, Chickpea, Bean and Artichoke. Top Nitrogen application must be finished earlier and the dosage must be increased due to Nitrogen rate.

Organic materials inside contributes organic material poor farming fields in regular usage along with the longevity of our soils. Humic-Fulvic acid provides early awake of the seed.

GUARANTEED CONTENT	% W/W
Azote total (N)	11
Ammonium Nitrogen (N-NH_4)	7
Urea Nitrogen (N-NH_2)	4
Phosphorus Penta Oxide solluble in Neutral Ammonium Citrate and Water (P_2O_5)	21
Phosphorus Penta Oxide solluble in Water (P_2O_5)	18
Potassium Oxide soluble in Water (K_2O)	5
Water Soluble Sulphur Trioxide (SO_3)	10
Water Soluble Zinc (Zn)	0,5
Organic Material	15
Total(Humic+Fulvic acid)	7

USAGE	
Crop Design	Dosage by crops Kg/da
Corn	50-60
Onion / Carrot	50-60
Cotton / Peanut / Clover	40-50
Open Field Vegetables	50-60
Wheat / Barley/Safflower/Hash	25-35
Sunflower/Canola/Chickpea/Oat	25-35
Olive (Considering age)	1-4 kg/tree
Fruit trees / Considering age	1-3 kg/tree
Grape	50-70 Kg/da

DENGE 11-11-11+11SO_3+0,5Zn+15 O.M+7 H.F

Perfectly combined 5 element balanced compound base fertilizer.

It gives perfect results in all crop designs. It is used mostly in Potatoes, Onion, Cotton, Corn, Oil seeds, Citrus, Fruit Trees and vegetable farming.

Organic materials inside contributes to increase organic material existence of our farming fields and to longevity of our soils.

Humic-Fulvic acid provides early awake to the seed. It is ideal organomineral base fertilizer for Cotton and Sunflower farming.

GUARANTEED CONTENT	% W/W
Total Nitrogen (N)	11
Ammonium Nitrogen ($N\text{-}NH_4$)	4,5
Urea Nitrogen ($N\text{-}NH_2$)	6,5
Phosphorus Penta Oxide solluble in Neutral Ammonium Citrate and Water (P_2O_5)	11
Phosphorus Penta Oxide solluble in Water (P_2O_5)	9
Potassium Oxide soluble in Water (K_2O)	11
Water Soluble Sulphur Trioxide (SO_3)	11
Water Soluble Zinc (Zn)	0,5
Organic Material	15
Total (Humic+Fulvic acid)	7

USAGE	
Crop Design	Dosage by crops Kg/da
Potatoes	90-100
Onion / Carrot	50-60
Cotton / Peanut /Clover	40-50
Open Field Vegetables	50-60
Sunflower/Canola/Chickpea/Oat	30-35
Artichoke/Bean/Pea	30-40
Olive (Considering age)	1-4 kg/tree
Fruit Trees/ Considering age	1-3 kg/tree
Grape	50-70 Kg/da

RANDIMAN 12-15-5+10SO_3+0,5Zn+15 O.M.+7 H.F.

Perfectly combined 5 elements compound base fertilizer.

It provides perfect result especially in Wheat, Barley, Oil seeds, Chickpea, Bean and Artichoke farming.

Organic materials inside contributes organic material poor farming fields in regular usage along with the longevity of our soils.

Humic-Fulvic Acid provides early awake to the seed.

GUARANTEED CONTENT	% W/W
Total Nitrogen (N)	12
Ammonium Nitrogen (N-NH_4)	6
Urea Nitrogen (N-NH_2)	6
Phosphorus Penta Oxide solluble in Neutral Ammonium Citrate and Water (P_2O_5)	15
Phosphorus Penta Oxide solluble in Water (P_2O_5)	13
Potassium Oxide soluble in Water (K_2O)	5
Water Soluble Sulphur Trioxide (SO_3)	10
Water Soluble Zinc (Zn)	0,5
Organic Material	15
Total (Humic+Fulvic acid)	7

USAGE	
Crop Design	Dosage by crops Kg/da
Corn	50-60
Onion / Carrot	50-60
Cotton / Peanut / Clover	40-50
Open Field Vegetables	50-60
Wheat / Barley/Safflower / hash	25-35
Sunflower, Canola, Chickpea, Oat	25-35
Olive (Considering age)	1-4 kg/tree
Fruit trees / Considering age	1-3 kg/tree
Grape	50-70 Kg/da

NPK POTAS 5-5-45

WATER SOLLUBLE CHEMICAL FERTILIZERS

It contains Nitrogen and Phosphorus 100% water soluble high Phosphorus fertilizer.

It is used in fruit forming, growth and pre harvest phase which requires Potassium. Nitrogen increases the Potassium intake to the maximum levels. It is observed that green parts are aging faster in Sugar beet, Potatoes, Onion, Carrot and turnip kind bulb plants in situation of applications which includes only Potassium.

Phosphorus inside keeps the green parts of the plant alive and Potassium delivery to bulb goes on. It contains 3% Calcium to strengthen cell walls. It can be used in bulb crops and fruit-vegetable farming by sprinkle or drip irrigation.

USAGE	
Crop Design	Dosage by crops Kg/da
Potatoes	20-25
Corn / Onion /Sugar beete	15-20
Carrot / Turnip	10-20
Open Field Vegetables	20-30
Peanut	15-20
Watermelon/Melod	10-15
Tomato Openfiled / Grape	20-30
Banana	80-100
Strawberry	30-50
Fruit Trees / Considering Age	0,5-1,5 kg/tree

GUARANTEED CONTENT	% W/W
Total Nitrogen (N)	5
Ammonium Nitrogen ($N\text{-}NH_4$)	5
Phosphorus Penta Oxide solluble in Neutral Ammonium Citrate and Water (P_2O_5)	5
Phosphorus Penta Oxide solluble in Water (P_2O_5)	5
Potassium Oxide soluble in Water (K_2O)	45

FERGROW MAP 12-61-0

MONOAMMONIUM PHOSPHATE

It is the fertilizer with the highest Phosphorus rate. It also contains Nitrogen with Phosphorus. It speeds up the root growth process and provides a strong root system. If applied in early growth phases.

It increases endurance against drought and illnesses. It contributes to simultaneous blossoming and increases the fruit count, if applied before flowering. It is 100% water soluble, therefore it can be use in sprinkle and drip irrigation.

GUARANTEED CONTENT	% W/W
Total Nitrogen (N)	12
Ammonium Nitrogen ($N\text{-}NH_4$)	12
Phosphorus Penta Oxide solluble in Neutral Ammonium Citrate and Water (P_2O_5)	61
Phosphorus Penta Oxide solluble in Water (P_2O_5)	61

USAGE

Crop Design	Drip Irrigation Dosage by crops Kg/da	Crop Design	By leaf , 100 lt water gr/da
Tomatoes-Pepper-Eggplant -Pickle Watermelon-Melon-Squash	3-5	From planting, Till fruiting.	200
Citrus - Cherry - Peach-Apricot- Plum-Apple-Pear Cherry-Quince-Olive	3-5	Starting from pink bud phase	100-150
Banana	2-3	Before birth	200
Grapeyard-Kiwi	2-3	Before flowering	200-250
Corn-Carrot-Sugar beet- Potatoes Cotton, Sunflower	3-5	When plant reaches 15-20 cm after hoe.	200
Onion-Garlic	1-3	After plant reaches 15-20cm	200
Ornamental Plants/Greenfileds	1-3	Early growth stage	200
Nut-Wallnut-Pistachio	3-5	Before flowering	200
Edible leaf plants	1-3	After 3-4 leaf	200

FERGROW CALCIUM NITRATE 15,5N+26CaO

Calcium Nitrate is a white particular fertilizer with two nutrition elements and easy to soluble in water. IT contains 15,5% Nitrogen (N and 26% Calcium Oxide(CaO). 14% of the Nitrogen is nitrate nitrogen(NO3-N) and 1,1% is ammonium nitrogen(NH4-N).

100% water soluble and can be used in sprinkle and drip irrigation.

It increases yield and quality along with the endurance against illnesses. It provides endurance in shipment. It enlarges shelf life of fruits. It provides fast intake for Calcium and Nitrate. Never contain filling material or additives. It does not vaporizes, does not wash away, does not burn, does not create alkaline or saltiness.

GUARANTEED CONTENT	% W/W
Total Nitrogen (N)	15,5
Nitrate Nitrogen (N-NO_3)	14,4
Ammonium Nitrogen (N-NH_4)	1,1
Water Soluble Calcium Oxide (CaO)	26

USAGE

Crop Design	Drip irrigation Dosage by crops Kg/da	Crop Design	By leaf , 100 lt water gr/da
Tomatoes-Pepper-Eggplant-Pickle Watermelon-Melon-Squash	5-6	From fruiting to harvest	250-300
Citrus - Cherry Peach-Apricot-Plum-Apple-Pear Cherry-Quince-Olive	3-5	When fruits are walnut size.	250-300
Banana	3-5	At the finger enlargement.	300-350
Grapeyard-Kiwi	3-5	At the fruiting	200-250
Carrot-Sugar beet-Potatoes	5-6	When bulb becomes big like a plum	250-300
Onion-Garlic	2-3	Along the growth phase	250-300
Ornamental Plants/Greenfileds	2-3	Along the growth phase	200-250
Nut-Wallnut-Pistachio	3-4	When leaf is fully grown	250-300
Edible leaf plants	2-3	Along the growth phase	250-300

FERGROW POTASIUM SULPHATE 0-0-51+18S

100% water soluble high Potassium fertilizer. It is applied in fruit forming, growth, and pre harvest phase times of potassium necessity is high.

It is the fertilizer with the highest potassium and Sulphur rate.

It is an ideal nutrition especially for the crops completed the growth and needs a fast maturing. Potassium Sulphate increases bud and flowering, fruit count and quality(sugars, proteins, vitamins, organic acids, aroma materials etc.) in vegetables and fruit trees. It gives endurance against poor growth conditions and illnesses to the plant. It provides product to be big, filled, hard and vivid color to the product.

GUARANTEED CONTENT	% W/W
Potassium Oxide soluble in Water (K_2O)	51

USAGE

Crop Design	Drip Irrigation Dosage by crops Kg/da	Crop Design	By leaf , 100 lt water gr/da
Tomatoes-Pepper-Eggplant-Pickle Watermelon-Melon-Squash	3-4	When fruits are walnut size	250-300
Citrus - Cherry - Peach-Apricot-Plum-Apple-Pear-Quince	3-4	When fruits are nut size	250-300
Banana	3-4	Fruitting	250-300
Grapeyard-Kiwi	3-4	Fruitting	250-300
Olive	3-4	Fruitting	250-300
Carrot-Sugar beet-Potatoes	3-4	Before bulb formation anfd flowering	250-300
Onion-Garlic	3-4	Head enlargment	250-300
Ornamental Plants/Greenfileds	3-4	Along the growth phase	250-300
Nut-Wallnut-Pistachio	3-4	Along the growth phase	250-300
Edible leaf plants	3-4	Along the growth phase	250-300

FERGROW MAGNESIUM NITRATE 11-0-0+15MgO

It contains Nitrogen and high Magnesium. Magnesium is the main element of green color (chlorophyll) in plants and it increases the benefit from sun light to the maximum level. Therefore it has got a strong effect on yield and quality. It vitalize poor growth plants in a short amount of time by cooperating with Nitrogen.

It strengthens growth and enlargement in plant via increasing dry material count. It increase the height of the plant and prevent short structural growth. It speeds up branch, leaf and bud growth. It prevents leaf and fruit loss. Plants with poor Magnesium cannot produce enough amounts of chlorophyll and loose the green color in crop. Then growth and enlargement stops due to lack of photosynthesis. Magnesium on the other hand increases the water usage effectiveness and endurance against drought.

GUARANTEED CONTENT	% W/W
Total Nitrogen (N)	11
Nitrat Azotu (N-NO_3)	t11
Water soluble magnesium oxide (MgO)	15

USAGE

Crop Design	Drip irrigation Dosage by crops Kg/da	Crop Design	By leaf , 100 lt water gr/da
Tomatoes-Pepper-Eggplant-Pickle Watermelon-Melon-Squash	3-4	From fruiting.	300-400
Peach-Apricot-Plum-Apple-Pear Cherry-Quince	5-6	When fruits are nut size	300-400
Banana	4-5	Druing buds	300-350
Grapeyard-Kiwi	5-6	Fruitting	300-400
Olive	5-6	Before flowering	300-350
Carrot-Sugarbeet-Potatoes	4-5	Along the growth phase	300-350
Onion-Garlic	3-4	Along the growth phase	250-300
Ornamental Plants/Greenfileds	3-4	Along the growth phase	250-300
Nut-Wallnut-Pistachio	5-6	Along the growth phase	300-350
Edible leaf plants	3-4	Along the growth phase	250-300

FERGROW BALANCE 18-18-18+TE

It is a balanced Nitrogen, phosphorus, potassium and trace elements composition.

It strengthens root system. Increase branch, leaf and bud growth, prevents dwarfness. Trace elements inside (zinc, iron, copper, manganese, boron) sustains growth. It provides strong and healthy green parts. It provides simultaneously and strong flowering to increase yield. It increases , bud, flowering, fruit count and fruit quality(sugars, proteins, vitamins, organic acids, aroma materials) in Vegetables and Fruit trees.

GUARANTEED CONTENT	% W/W
Total Nitrogen (N)	18
Ammonium Nitrogen ($N\text{-}NH_4$)	3,5
Urea Nitrogen ($N\text{-}NH_2$)	14,5
Phosphorus Penta Oxide solluble in Neutral Ammonium Citrate and Water (P_2O_5)	18
Phosphorus Penta Oxide solluble in Water (P_2O_5)	18
Potassium Oxide soluble in Water (K_2O)	18
Water Soluble Zinc (Zn)	0,03
Water Soluble Iron (Fe)	0,05
Total Boron (B_2O_3)	0,01
Water Soluble Manganese (Mn)	0,02
Water Soluble Copper (Cu)	0,01

Crop Design		
Crop Design	Drip irrigation Dosage by crops Kg/da	Application time
Tomatoes-Pepper-Eggplant-Pickle Watermelon-Melon-Squash	3-4	Before seedling
Strawberry-Banana-Citrus - Cherry-Peach-Apricot-Plum-Apple-Pear Cherry-Quince-Olive	3-4	Along the growth period
Grapeyard-Kiwi	3-4	With the shoots
Corn-Carrot-Sugar beet-	3-4	Along the growth period
Potatoes Edible leaf plants	2-3	
Onion-Garlic	2-3	Along the growth period
Ornamental Plants/Greenfileds Nutt	2-3	
Wallnut-Pistachio	3-4	

We, as Vitamin Fertilizer, We offer chemical, slow release, organomineral, pure and water soluble 31 kinds of Vitamin Fertilizer through our production and import to regional countries' and Turkish agriculture

"Better than yesterday, hopeful for the future"

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