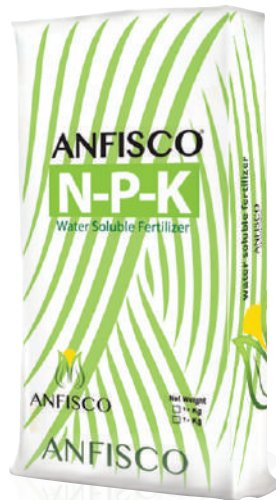




Chemical Industries Co.

COMPETENCE

شركة الكفاءة للصناعات الكيماوية



Powder NPK

Balanced formulas:

23-23-23 +T.E.
 21-21-21+2MgO +T.E.
 20-20-20 +T.E.
 19-19-19 +T.E.
 18-18-18 +T.E.
 15-15-15 +T.E.

Powder NPK

High Nitrogen content:

30 -10 -10 +T.E.
 28 -14-14 +T.E.
 24 -10-10 +T.E.
 19 - 6 - 6 +T.E.
 31 - 0 - 5 +T.E.
 25 - 5 - 10 +T.E.

Powder NPK

High Phosphorus content:

15 - 30 - 15 +T.E.
 13-40-13 +T.E.
 5-50-17 +T.E.
 10-30-20 +T.E.
 16-33-3+5%CaO +T.E.
 12 - 30 - 12 +T.E.
 10 - 50 - 10 +T.E.

Powder NPK

High Potassium content:

12 - 12 - 36 +T.E.
 15 - 15 - 30 +T.E.
 15 - 10 - 30 +T.E.
 11 - 9 - 35 +T.E.
 12-5-25+5%CaO+2%MgO+0.2%B
 6 - 6 - 43 +T.E.
 5 - 20 - 35 +T.E.

Foliar NPK

23 - 23 - 23 +T.E.
 21 - 21 - 21 + 2MgO +T.E.
 20 - 20 - 20 +1MgO +T.E.
 31-11-11+1MgO +T.E.
 10-55-10+1MgO +T.E.
 8-12-42+1MgO +T.E.

Liquid NPK

8 - 8 - 8 +T.E.
 12 - 4 - 7 +T.E.
 10 - 0 - 6 +T.E.
 10 - 10 - 10 +T.E.
 16 - 16 - 16 +T.E.
 2 - 55 - 1 +T.E.

Suspension NPK

25 - 25 - 25 +T.E.
 20 - 20 - 20 +T.E.
 20 - 50 - 10 +T.E.
 10 - 6 - 60 +T.E.
 10 - 10 - 60 +T.E.
 10 - 60 - 10 +T.E.
 15 - 65 - 0 +T.E.
 10 - 10 - 50 + MgO +T.E.

Trace elements

14.5% Mixed Trace Element
 8% Boron + 50% Organic compounds
 12% Fe + 50% Organic compounds
 12% Mn + 50% Organic compounds
 12% Zn + 50% Organic compounds
 12% Cu + 50% Organic compounds

Organic

Humate 15%
 Salinity Corrector
 Fulvic Acid 20%
 Seaweed 20%
 Amino Acid 20%
 Seaweed + Fulvic + A. A . (25%)
 * and other Organic



ADVANCED PRODUCTS

7-7-38-18

Content:	WV
Total nitrogen (N)	7%
Ammoniacal nitrogen (NH ₄ -N)	7%
Total phosphorus pentoxide (P ₂ O ₅)	38%
Total potassium oxide (K ₂ O)	18%

Advantages:

- Pure liquid fertilizer enriched with phosphorus and potassium.
- Stimulates growth hastening cell division of plants.
- Activates root growth, flowering, fruit set and maturation, especially during the cold season and stress conditions.
- Supports resistance to fungal diseases.

11-61-0

Content:	WV
Ammoniacal nitrogen (NH ₄ -N)	5,5%
Nitric nitrogen (NO ₃ -N)	5,5%
Total phosphorus pentoxide (P ₂ O ₅)	61%

Advantages:

- Highly efficient source of phosphorus and nitrogen with special additives.
- Stimulates cell division and accelerates growth and development.
- Provides normal shape and structure of fruit.
- Enhances the growth of roots and root hairs.
- Improves flowering, fruit set, and thickens the stem.

Cu 55 g/l

Content:	WV
Nitric nitrogen (NO ₃ -N)	2,5%
Copper (Cu)	5,5%

Advantages:

- Fully water soluble nitrogen fertilizer enriched with copper.
- Promotes development of necessary growth hormones.
- Improves photosynthesis and activates enzymes.

B 150 g/l

Content:	WV
Water soluble boron (B), as boron ethanol amine	15%

Advantages:

- Boron is one of the most important trace elements that regulates the processes of pollination and fertilization, also carbohydrate and protein exchange.
- Enhances process of flowering and fruiting.
- Improves redistribution of sugar and metabolism.

11 - 0 - 0 S+8%B+1%Mo

Content:	WV
Ammoniacal nitrogen (NH ₄ -N)	11%
sulfur (as SO ₃),	31%
Boron (B)	8%
Molybdenum (Mo)	0,95 %

Advantages:

- Fully water soluble suspension fertilizer enriched with nitrogen, sulfur and microelements.
- Reduces micronutrient deficiencies quickly and efficiently.
- Fertilizer promotes formation of vital enzymes, proteins, chlorophyll and improves nitrogen use.
- Boron promotes development of shoots and roots, improves flowering and fruiting.
- Fertilizer improves germination and growth of pollen tubes, and cell wall formation. Sulfur improves protein and seed quality, and also enhances resistance to pests and diseases.

Potassium Silicate

Content:	WV
Total potassium oxide (K ₂ O)	33,6%
Silicon (SiO ₂)	31,9%

Advantages:

- Fully water soluble fertilizer which reduces potassium and silicon deficiency quickly and efficiently.
- Promotes highly efficient nutrient absorption by roots and improves water retention in leaves
- Produces an armour-like layer in the outer cell wall resulting in stronger, more resilient plants.
- Improves fruit set and ripening, increases size, color and taste of fruits.
- Increases cell wall elasticity and improves cell division for higher yields.
- Helps plant resist toxicity from phosphorus, manganese and iron
- Increases tolerance against biotic and abiotic stress, pest attacks, fungal diseases, cold and drought.



40-0-0

Content:	WV
Total Nitrogen (N):	40 %
Nitric Nitrogen (N-NO ₃):	%
Ammoniacal Nitrogen (N-NH ₄):	8 %
Ureic Nitrogen (N-NH ₂):	24 %
(P ₂ O ₅):	0 %
(K ₂ O):	0 %

Advantages:

High Nitrogen formulas:
Recommended when high rates of nitrogen are required
E.g. during periods of vegetative growth

Cal-Mag

Content:	WV
Nitric Nitrogen (N-NO ₃):	13 %
Calcium Oxide (CaO):	18 %
Magnesium Oxide (MgO):	4 %
Boron (B):	250 ppm

Advantages:

increase the quantity and quality of production
improve plant health & disease tolerance
Recommended when calcium and magnesium are required
in combination with nitrogen in nitric form

UP - P

Content:	WV
Total Nitrogen (N)	12 %
P ₂ O ₅ :	28 %
K ₂ O:	0 %

Advantages:

High content of phosphorus
flowering, fruit set, thickness of stem.
Suitable for root growth and vegetative growth

HUMATE Acid

Content	WV
Total Nitrogen (N)	5 %
K ₂ O:	8.0%
FULVIC ACID:	3 %
HUMIC ACID:	15 %

Product characteristics

extracted from ground Leonardite, an oxidized form of lignite, and are the principal constituents of organic vegetable matter in an advanced state of decomposition

- increases the uptake of nutrients
- enhances growth of soil microorganisms
- stimulates plant growth

KTS

Content	WV
K ₂ O:	36 %
SO ₃ :	25 %

Advantages:

- It is recommended for use in cold season as an active source of pure potassium and sulfur.
- Recommended for use in saline, calcareous soils and with hard water due to its low acidity properties.
- Improves fruit set and ripening, increases size, color and taste of fruits.
- Increases tolerance of crops to fungal diseases.

STICKE

Content:	WV
organic Nitrogen :	18 %
Total organic matter :	65 %

Advantages:

- An organic solution containing organic compounds pure and free of harmful substances.
- can be mixed with pesticides and foliar fertilizers,
- reduces the surface tension of the spray solution, increases the adhesion of the spray on the leaves
- contain organic nitrogen.
- can be mixed with all pesticides and foliar fertilizers without interaction .
- improves the performance of all pesticides



CAL PORP

Content:	WV
Nitric nitrogen (NO ₃ -N)	1,8%
Water soluble phosphorus Pentoxide (P ₂ O ₅)	19,5%
Calcium oxide (CaO)	3%
Boron (B)	15%

Advantages:

- Suspension fertilizer enriched with higher amount of phosphorus, calcium and boron.
- Phosphorus enhances root formation and strength, which affects overall functioning processes of the plant.
- Boron and calcium improve cell division and strengthen cell walls, which results in better quality of fruits, vegetables and grains.
- Enhances resistance to diseases and other unfavourable conditions.

DKP

Content:	WV
P ₂ O ₅	33%
K ₂ O	42%

Product characteristics

- used in the advanced stages of growth when the need for high levels of phosphorus and potash to form group
- Enhances plant nutrition in acidic soils

Phosphoric Acid

Content:	WV
(N)	0%
(H ₃ PO ₄)	85%
(K ₂ O)	0%

Product characteristics

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

KTS

Composition:	
K ₂ O	36%
Organic Matter	50%

Advantages:

- Fertilizer enriched with organic potassium and special additives.
- Organic chelated potassium increases nutrient absorption, prevents fixation in the soil
- Reduces potassium deficiency, bringing immediately visible result.
- Promotes highly efficient absorption by roots.
- It is recommended for use in moderate to low doses due to the high concentration of pure potassium.
- Improves fruit set, increases its size, color and taste.

0 - 45- 45

Composition:	
Phosphorus (P ₂ O ₅)	33%
Potassium (K ₂ O)	42%

Advantages:

- Used as foliar & fertigation.
- Moderate acidity Ph=7 & low electric conductivity (EC)
- High absorption rate by leaves & roots especially in cold season
- Play role in plant protection mainly fungal diseases
- Neutralized the undesirable nitrogen in flowering and fruit setting period
- Recommended to use when start flowering and through fruit setting period regularly.





 Chemical Industries Co.
COMPETENCE
شركة الكفاءة للصناعات الكيماوية

Tel: +962 6 5725273
P.O.Box 671 Amman 11953 Jordan
E-mail: info@ecifert.com