

*Transform
your
Dreams into Reality*



Kshitij Nutriscience (I) Pvt. Ltd.



Kshitij Nutriscience India Private Limited is a leading player in Indian Speciality Fertilizer Sector and has a deep brand presence in major states of India. **Kshitij Nutriscience India Private Limited** has been incorporated in October 2021. The Company has enjoyed dependable relationship with both the suppliers and the end-users in India as well as Global Level.

We have been able to reach the pinnacle of success through excellence in quality supplies.

Our Success Story started way back in 2014 as partnership firm - **Kshitij Agrotech** and since then, we have been striving to set new standards of excellence.

Kshitij Nutriscience India Private Limited has been incorporated via the same management as of Kshitij Agrotech (partnership firm), who has 35 years of rich experience and expertise in serving the Indian Agriculture Sector.

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PRODUCT TECHNICAL DETAILS

WATER SOLUBLE FERTILISER GRADE

Sr.	Brand Name	Technical	Remarks / Specialties
1	Yopha 19:19:19	NPK 19:19:19	Nitrate N-4%, Ammoniacal N-4.5%, Amide N-10.5%, P ₂ O ₅ -19%, K ₂ O-19%, Inclusive of trace elements (Fe, Zn, Mn, Cu, B, Mo)
2	Yopha 13:00:45	NK (Potassium Nitrate)	N-13%, K ₂ O-45%
3	Yopha 12:61:00	MAP (Mono Ammonium Phosphate)	Ammoniacal N-12%, P ₂ O ₅ -61%
4	Yopha 00:52:34	MKP (Mono potassium Phosphate)	P ₂ O ₅ -52%, K ₂ O-34%
5	Yopha 00:00:50	SOP (Sulphate of Potash)	K ₂ O-50%, S-17.5% (No Chloride and a Low Salt index)
6	Yopha Calcium Nitrate	C N (Calcium Nitrate)	Nitrate N-14.4%, Ammoniacal N-1.1%, Ca-18.5%
7	Yopha 16:08:24	NPK 16:08:24	Ammoniacal Nitrogen-16%, P ₂ O ₅ -08%, K ₂ O-24%
8	Yopha CALBO	Boronated Calcium Nitrate (CN with B)	Nitrate N-13.5%, Ammoniacal N-1.0%, Ca-17.0%, Boron 0.2-0.3

WATER SOLUBLE FERTILISER GRADE (STARTER)

Sr.	Brand Name	Technical	Remarks / Specialties
1	Yopha 13:40:13	NPK 13:40:13 + TE	Nitrate N-4.4%, Ammoniacal N-8.6%, P ₂ O ₅ -40%, K ₂ O-13%, Inclusive of trace elements (Fe, Zn, Mn, Cu, B, Mo)
2	Yopha 15:30:15	NPK 15:30:15 + 2 MgO + TE	Nitrate N-15%, P ₂ O ₅ -30%, K ₂ O-15%, MgO-2% Inclusive of trace elements (Fe, Zn, Mn, Cu, B, Mo)
3	Yopha 11:40:11	NPK 11:40:11 + 2 MgO + TE	Nitrate N-11%, P ₂ O ₅ -40%, K ₂ O-11%, MgO-2% Inclusive of trace elements (Fe, Zn, Mn, Cu, B, Mo)

WATER SOLUBLE FERTILISER GRADE (FINISHER)

Sr.	Brand Name	Technical	Remarks / Specialties
1	Yopha 15:07:30	NPK 15:07:30+3 MgO+TE	Nitrate N-15%, P ₂ O ₅ -07%, K ₂ O-30%, MgO-3% Inclusive of trace elements (Fe, Zn, Mn, Cu, B, Mo)
2	Yopha 12:06:36	NPK12:06:36+2.5MgO+ TE	Nitrate N-12%, P ₂ O ₅ -06%, K ₂ O-36%, MgO-2.5% Inclusive of trace elements (Fe, Zn, Mn, Cu, B, Mo)

NPK COMPLEX FERTILISER GRADE

Sr.	Brand Name	Technical	Remarks / Specialties
1	NPK 12:11:18	NPK 12:11:18+MgO+S+TE	Total N-12.0%, Nitrate N-5.0%, Ammoniacal N-7.0, P ₂ O ₅ -11.0%, K ₂ O-18.0%, MgO-1% S-7.5% Inclusive of trace elements (Fe, Zn, Mn, Cu, B, Mo)
:			

SECONDARY FERTILISER

Sr.	Brand Name	Technical	Remarks / Specialties
1	Mgfert	MgSO ₄ (Magnesium Sulphate)	MgO-16%, Mg-9.5%, S-12%
2.	Yopha Potassium Schoenite	Potassium Schoenite	K ₂ O -23%, MgO-10%, S-20%
3.	Earthpower	Sulphur 90%	Bentonite Sulphur 90% (Granular)
4.	Yopha (KMS)	Potassium Magnesium Sulphate	Potash-30.0%, Magnesium-10%, Sulphate Sulphur-17%

MIXED & SINGLE MICRONUTRIENTS

Sr.	Brand Name	Technical	Remarks / Specialties
1.	MICRO N MIX (Chelated)	Micronutrient fertilizer	For Drip & foliar application – Gujarat Grade – 4 (Fe-4%, Zn-6%, Mn-1%, Cu-.5%, Bo-.5%, Mo-0%)
2.	MICRO N MIX (SG) Soil Grade	Micronutrient fertilizer	For Soil application – Gujarat Grade – 5 (Fe-2%, Zn-5%, Mn-.5%, Cu-.2%, Bo-.5%, Mo-0%)
3.	BORO.DOT	Disodium Octaborate Tetrahydrate, Boron – 20 to 21%	Imported, Water Soluble boron for Drip & foliar application
4.	Ligand - Fe	Fe - 12% EDTA	Imported water-soluble for Foliar & Drip Application
5.	Ligand - Zn	Zn - 12% EDTA	Imported water-soluble for Foliar & Drip Application
6.	Ligand - Ca	Ca - 10% EDTA	Imported water-soluble for Foliar & Drip Application
7.	Ligand - Mn	Mn - 12% EDTA	Imported water-soluble for Foliar & Drip Application
8.	Ligand - Cu	Cu - 15% EDTA	Imported water-soluble for Foliar & Drip Application
9.	Ligand - Mg	Mg - 06% EDTA	Imported water-soluble for Foliar & Drip Application

G-2 REGISTERED BIO- STIMULANTS

Sr.	Brand Name	Technical	Remarks / Specialties
1	Chamak+	Super Potassium Humate	Category (H) Humic and Fulvic acid and their derivatives.
2	Carbon	Super Potassium Humate	Category (H) Humic and Fulvic acid and their derivatives.
3	Ascocean	Sea Weed extract	Category (H & A) Humic and Fulvic acid and their derivatives & Botanical Extracts, including seaweed extract.
4	Chitoplus	A Natural Elicitor of plant immune System	Category (C) Protein hydrolysates and amino acids.
5	Flourish	Amino Acids & Vitamins	Category (C & D) Protein hydrolysates and amino acids and Vitamins.
6	Asco Zyme	Protein, Algenic and Fulvic acids	Category (A, C & H) Botanical Extracts, including seaweed extract, Protein hydrolysates and amino acids & Humic and Fulvic acid and their derivatives.
7	Senior	Protein, Algenic and Fulvic acids	Category (A, C & H) Botanical Extracts, including seaweed extract, Protein hydrolysates and amino acids & Humic and Fulvic acid and their derivatives.

BIO- FERTILIZERS

Sr.	Brand Name	Technical	Remarks / Specialties
1	Symbiosis	Azotobacter	CFU minimum 5×10^7 cell/g of carrier material or 1×10^8 cell/ml of liquid.
2	Symbiosis	Carrier Based Consortia	CFU Minimum. Rhizobium or Azotobacter or Azospirillum 1×10^7 per g CFU Minimum PSB 1×10^7 per g CFU Minimum KSB 1×10^7 per g
3.	Symbiosis	Azospirillum	CFU minimum 5×10^7 cell/g of powder/granules or carrier material or 1×10^8 cells/ml of liquid.
4.	Symbiosis	Liquid Consortia	CFU Minimum. Rhizobium or Azotobacter or Azospirillum 1×10^7 per ml CFU Minimum PSB 1×10^7 per ml CFU Minimum KSB 1×10^7 per ml
5.	Symbiosis	Mycorrhizal Biofertilizer	100 gm of finished product with minimum 60 spores per gm.
6.	Symbiosis	Phosphate Solubilizing Bacteria	CFU minimum 5×10^7 cell/g of carrier material or 1×10^8 cell/ml of liquid material.
7.	Symbiosis	Potash Mobilizing Bacteria (KMS)	CFU minimum 5×10^7 cell/g of powder, granules or carrier material on dry weight basis or 1×10^8 cell/ml of liquid.
8.	Symbiosis	Acetobacter	CFU minimum 5×10^7 cell/g of powder/granules or carrier material 1×10^8 cells/ml of liquid.
9.	Symbiosis	Rhizobium	CFU minimum 5×10^7 cell/g of powder, granules or carrier material or 1×10^8
10.	Symbiosis	Zinc Solubilising Bacteria	CFU minimum 5×10^7 cell/g of powder, granules or carrier material on dry weight basis or 1×10^8 cell/ml of liquid.
11.	Symbiosis	Phosphate Solubilising Fungal biofertilizer	Maximum 1×10^6 spores /g 1×10^7 visible fungal spores/ml of liquid.

OTHER PRODUCTS

Sr.	Brand Name	Technical	Remarks / Specialties
1.	Gir Lion	Neem Cake	Small pieces powder shaped with assured nitrogen 2% and 11% oil content.
2.	Mikskaar	Peat Moss	It is made of 100% Partly decomposed natural milled peat moss, imported from Estonia with high buffering ability, water and air porosity, free from pest and weeds and useful for plants for all growth stages i.e. vegetables, pots, bedding plants, indoor plants, trees, ornamental, green houses & trays.
3.	Earthphos	Phosphoric Acid 85%	Phosphoric Acid (H_3PO_4) 85%, P_2O_5 -60% (0-60-0)

YOPHA NPK 19:19:19

NPK MIXTURE OF FERTILIZERS

BENEFITS

- It contains nitrogen in different forms needed gradually at different growth stages of crops.
- It supplies required macro (NPK) in optimum doses to the crops.
- It helps in improving reproductive and vegetative activities in the plants system.
- It increases resistance against pest & diseases by keeping plants healthy.



SPECIFICATIONS

Parameter	Guaranteed Value
Total Nitrogen % by weight, Minimum	19.0
Water soluble phosphate (as P ₂ O ₅) % by weight, Minimum	19.0
Water soluble potash (as K ₂ O) % by weight, Minimum	19.0
Sodium as NaCl % by weight on dry basis, Maximum	0.5
Matter insoluble in water % by weight, Maximum	0.5
Moisture % by weight, Maximum	0.5

PACKING

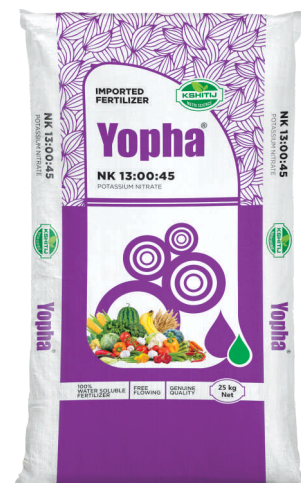
- 1 kg (For foliar spray)
- 25 kg (for fertigation)

YOPHA NK 13:00:45

POTASSIUM NITRATE

BENEFITS

- It helps strengthen the stem, which prevent crop from lodging.
- It can be absorbed directly by the plant and promote to absorbed of other nutrients.
- It involves in carbohydrates metabolism.
- It helps to build thicker cell walls, and increase the concentration of electrolytes inside the cell, thus increasing the plant's resistance to stress condition.



SPECIFICATIONS

Parameter	Guaranteed Value
Total Nitrogen (all in nitrate form)% by weight, Minimum	13.0
Water Soluble potassium (as K ₂ O) % by weight Minimum	45.0
Sodium (as Na) % by weight, Maximum	1.0
Total chloride (as Cl) % by weight, Maximum	1.5
Matter insoluble in water % by weight, Maximum	1.5
Moisture % by weight, Maximum	0.5

PACKING

- 1 kg (For foliar spray)
- 25 kg (for fertigation)

YOPHA MAP 12:61:00

MONO AMMONIUM PHOSPHATE

BENEFITS

- Work as a flower booster induces more number of flower and fruit.
- Improves yield and quality of product and enhances the stress resistance of crop.
- Promotes root development and establishment of seedlings.
- It accelerates growth and makes strong root system when applied it on plant growth stage.



SPECIFICATIONS

Parameter	Guaranteed Value
Ammoniacal Nitrogen % by weight, Minimum	12.0
Water Soluble Phosphorous (as P ₂ O ₅)% by weight Minimum	61.0
Sodium (as NaCl)% by weight Maximum	0.5
Moisture % by weight, Maximum	0.5
Matter insoluble in water % by weight, Maximum	0.5

PACKING

- 1 kg (For foliar spray)
- 25 kg (for fertigation)

YOPHA MKP 00:52:34

MONO POTASSIUM PHOSPHATE

BENEFITS

- Increases photosynthesis which develops roots and makes the stalk strong.
- Induces more number of flowers and its retention.
- Enhances crop resistance to drought and cold.
- Increase the quality and market value of crop.



SPECIFICATIONS

Parameter	Guaranteed Value
Water soluble Phosphorous (as P ₂ O ₅)% by weight, Minimum	52.0
Water soluble Potassium (as K ₂ O) % by weight, Minimum	34.0
Sodium (as NaCl)% by weight Maximum	0.5
Moisture % by weight, Maximum	0.5

PACKING

- 1 kg (For foliar spray)
- 25 kg (for fertigation)

YOPHA SOP 00:00:50

SULPHATE OF POTASH

BENEFITS

- It is essential for water uptake and for synthesizing plant sugars for use as food.
- It is essential for the development of protein, enzyme and vitamins.
- It facilitates cell division and growth by helping to move starch and sugars between plant parts.
- Improves firmness, texture, size and colour of fruit crops and increase oil content of oil crops.



SPECIFICATIONS

Parameter	Guaranteed Value
Water Soluble Potassium (as K ₂ O) % by weight Minimum	50.0
Sulphate Sulphur (as S) % by weight Minimum	17.5
Sodium (as NaCl)% by weight Maximum	2.0
Moisture % by weight, Maximum	1.5
Total chloride (as Cl)% by weight, Maximum	2.5

PACKING

- 1 kg (For foliar spray)
- 25 kg (for fertigation)

YOPHA CALCIUM NITRATE

CaNO₃

BENEFITS

- Increase Productivity and quality of products.
- Increase Resistance to disease and pest.
- Increase shelf life of product for storage and transportation.
- It works both as a fertilizer and for disease control i.e. blossom end rot.



SPECIFICATIONS

Parameter	Guaranteed Value
Total Nitrogen (Ammoniacal & Nitrate Form)% by weight, Minimum	15.5
Nitrate nitrogen (as N)% by weight Minimum	14.5
Water soluble Calcium (as Ca)% by weight, Minimum	18.5
Matter insoluble in water % by weight, Maximum	1.5

PACKING

- 1 kg (For foliar spray)
- 25 kg (for fertigation)

YOPHA NPK 16:08:24

NPK MIXTURE OF FERTILIZERS

BENEFITS

- It helps build energy to keep plants growing strong and stimulates vigorous growth of foliage and stems.
- It improves plant strength and resilience, and it stimulates prolific flowers and subsequent fruit and seeds.
- Improve size, quality and self life of fruits and vegetable and increases resistance against pest, diseases and drought.
- Lower nitrogen to potassium ratio to discourage flower and fruit drop. It is specially designed for vegetable and fruits crops.



SPECIFICATIONS

Parameter	Guaranteed Value
Total Nitrogen % by weight, Minimum	16.0
Water soluble phosphate (as P ₂ O ₅) % by weight, Minimum	08.0
Water soluble potash (as K ₂ O) % by weight, Minimum	24.0
Sodium (as NaCl)% by weight on dry basis, Maximum	0.5
Matter insoluble in water % by weight , Maximum	0.5

PACKING

- 25 kg (for fertigation)

YOPHA CAL BO

CALCIUM NITRATE WITH BORON

BENEFITS

- Increases uptake of other nutrients and provides uniform shape and colour to produce.
- Important for the growth, physical strength, flowering fertilization and fruit set of the plants.
- Improves root/shoot and strength of cell wall and plant growth.
- Contains dual nutrients calcium and boron important for all kind of crops. It Cures Calcium and boron deficiency in the crops quickly.



SPECIFICATIONS

Parameter	Guaranteed Value
Total Nitrogen (Ammoniacal & Nitrate)% by weight, Minimum	14.5
Nitrate nitrogen (as N) % by weight Minimum	13.5
Water soluble Calcium % by weight, Minimum	17.0
Boron (as B)% by weight	0.2 – 0.3

PACKING

- 25 kg (for fertigation)

YOPHA NPK 13:40:13

NPK MIXTURE OF FERTILIZERS

BENEFITS

- It reduces flowers drop, increases fruit setting and maintain the quality of produces.
- Accelerated reproduction organs and improves yield.
- Makes the plant resistant to diseases, cold and drought.
- It is a fertilizer that applied from the fruit forming to harvesting stage.



SPECIFICATIONS

Parameter	Guaranteed Value
Total Nitrogen% by weight, Minimum	13.0
Water Soluble Phosphate (as P ₂ O ₅)% by weight, Minimum	40.0
Water Soluble Potash (as K ₂ O) % by weight, Minimum	13.0
Sodium as NaCl% by weight on dry basis, Maximum	0.15
Matter insoluble in water% by weight , Maximum	0.5

PACKING

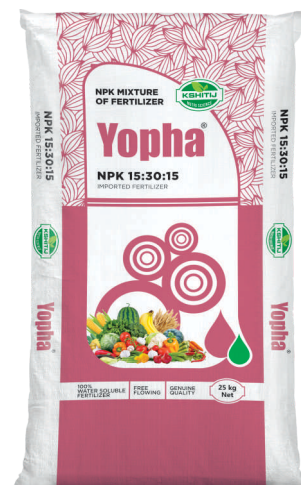
- 1 kg (For foliar spray)
- 25 kg (for fertigation)

YOPHA NPK 15:30:15

NPK MIXTURE OF FERTILIZERS

BENEFITS

- 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 a high amount of microelements that the plant will need during the flowering period.
- It has all three major macro nutrients which plants need to boost their growth & development.
- It is a product that meets the plant nutrient needs of the plants in the early development stages



SPECIFICATIONS

Parameter	Guaranteed Value
Total Nitrogen % by weight, Minimum	15.0
Water Soluble Phosphate (as P ₂ O ₅) % by weight, Minimum	30.0
Water Soluble Potash (as K ₂ O) % by weight, Minimum	15.0
Sodium (as NaCl)% by weight on dry basis, Maximum	0.5
Matter insoluble in water % by weight , Maximum	0.5
Moisture % by Weight, Maximum	0.5

PACKING

- 25 kg (for fertigation)

YOPHA NPK 11:40:11

NPK MIXTURE OF FERTILIZERS

BENEFITS

- Its high phosphorus contents promote flowering & fruit set.
- It increases the root's absorption power and the translocation resulting enhance root & shoot growth.
- It is a mixture of Boron, Manganese, Molybdenum and Zinc makes it more efficient crop nutrition.
- Quickly dissolves in water. Contains no sodium, chlorine and heavy metals.
- A starter formula which establish strong branched roots right from the clone stage.



SPECIFICATIONS

Parameter	Guaranteed Value
Total Nitrogen % by weight, Minimum	11.0
Water Soluble Phosphate (as P ₂ O ₅)% by weight, Minimum	40.0
Water Soluble Potash (as K ₂ O)% by weight, Minimum	11.0
Sodium (as NaCl)% by weight on dry basis, Maximum	0.5
Matter insoluble in water % by weight , Maximum	0.5
Moisture % by Weight, Maximum	0.5

PACKING

- 25 kg (for fertigation)

YOPHA NPK 15:07:30

NPK MIXTURE OF FERTILIZERS

BENEFITS

- Water soluble NPK fertilizers with high potassium content.
- Suitable for all crops due to the balanced nutrient ratio.
- When applied at late growth stage, increases plant resistance to drought, contributes to better fruit bearing, improves quality of yields.
- Perfectly suitable for foliar fertigation of open field crops.
- A finisher formula – strengthens and optimized the plants nutrients for maximum harvest.



SPECIFICATIONS

Parameter	Guaranteed Value
Total Nitrogen % by weight, Minimum	15.0
Water Soluble Phosphate (as P ₂ O ₅) % by weight, Minimum	07.0
Water Soluble Potash (as K ₂ O) % by weight, Minimum	30.0
Sodium (as NaCl)% by weight on dry basis, Maximum	0.5
Matter insoluble in water % by weight , Maximum	0.5
Moisture % by Weight, Maximum	0.5

PACKING

- 25 kg (for fertigation)

YOPHA NPK 12:06:36

NPK MIXTURE OF FERTILIZERS

BENEFITS

- A finisher formula - has 80% of the Nitrogen in the form of Nitrate and 20% of the Nitrogen in the form of Ammonia, no Urea.
- Water soluble NPK fertilizers with high potassium content.
- Suitable for all crops due to the balanced nutrient ratio. Perfectly suitable for foliar fertigation of open field crops.
- When applied at late growth stage, increases plant resistance to drought, contributes to better fruit bearing, improves quality of yields.



SPECIFICATIONS

Parameter	Guaranteed Value
Total Nitrogen % by weight, Minimum	12.0
Water Soluble Phosphate (as P ₂ O ₅) % by weight, Minimum	06.0
Water Soluble Potash (as K ₂ O) % by weight, Minimum	36.0
Sodium (as NaCl)% by weight on dry basis, Maximum	0.5
Matter insoluble in water % by weight , Maximum	0.5
Moisture % by weight Maximum	0.5

PACKING

- 25 kg (for fertigation)

ROSAFERT NPK 12:11:18

NPK COMPLEX FERTILIZERS

BENEFITS

- It is a unique, fast nutrients releases, chloride free prilled fertilizer.
- Complex NPK 12:11:18 +2.7 MgO + 20 SO₃ + B+ Fe+ Mn+ Zn are useful for chloride Sensitive crops.
- All granules have the same nutrients content enable balanced plant growth.
- Essential for better flowering, fruiting and high yield.

SPECIFICATIONS

Parameter	Guaranteed Value
Moisture % by weight, Maximum	1.5
Total Nitrogen (Ammoniacal & Nitrate)% by weight, Minimum	12.0
Ammoniacal Nitrogen% by weight, Minimum	7.0
Available Phosphorus (as P ₂ O ₅)% by weight, Minimum	11.0
Water Soluble Phosphorus (as P ₂ O ₅)% by weight, Minimum	8.0
Water Soluble Potash (as K ₂ O)% by weight, Minimum	18.0
Magnesium (as Mg)% by weight, Minimum	1.0
Sulphate Sulphur (as S)% by weight, Minimum	7.5
Total Chloride (as Cl)% by weight , Maximum	1.0



PACKING

- 25 kg (for fertigation)

MGFERT

MAGNESIUM SULPHATE

BENEFITS

- Chlorophyll formation.
- Synthesis of amino acids and cell proteins.
- Uptake and migration of phosphorus in plants.
- Vitamin A and C concentrations.
- Resistance to unfavourable factors (drought & disease).



PACKING

- 25 kg (for fertigation)

SPECIFICATIONS

Parameter	Guaranteed Value
Magnesium (as Mg) % by weight Minimum	9.5
Sulphate Sulphur (as S) % by weight, Minimum	12.0
Matter insoluble in water % by weight, Maximum	1.0
pH (5% Solution)	5.0 – 8.0
Lead (as Pb) % by weight, Maximum	0.003
Cadmium (as Cd) % by weight, Maximum	0.0025
Arsenic (as As) % by weight, Maximum	0.01

YOPHA POTASSIUM SCHOENITE

POTASSIUM SCHOENITE

BENEFITS

- It provides Magnesium and Potassium in an ideal ratio.
- It acts as both an enzyme activator and a constituent of many enzymes.
- It helps in increasing plant strength and builds resistance to winter kill, drying, insect attack and spray damage.
- It is associated with the movement of water, nutrients and carbohydrates in plant tissue.



PACKING

- 25 kg (for fertigation)

SPECIFICATIONS

Parameter	Guaranteed Value
Water Soluble Potassium (as K ₂ O)% by weight Minimum	23.0
Sodium (as NaCl)% by weight Maximum	1.5
Magnesium (as MgO)% by weight Maximum	11.0
Moisture % by weight, Maximum	1.5

EARTH POWER

BENTONITE SULPHUR 90%

BENEFITS

- It is used as a secondary nutrient and also to correct alkaline soil problems.
- It is important for production of chlorophyll and utilization of phosphorus and other essential nutrients.
- It Increases oil content in oil seeds crops, improves quality and quantity of crops.
- It is known to improve the metabolism of Nitrogen, Phosphorus and Potassium.



PACKING

- 25 kg (for fertigation)

SPECIFICATIONS

Parameter	Guaranteed Value
Total Elemental Sulphur (as S)% by weight Minimum	90.0
Moisture % by weight, Maximum	0.5

MICRO N MIX

EDTA CHELATED MICRONUTRIENTS MIXTURE FERTILIZER

Micro N Mix is one of the most pure and powerful micronutrient mixture of all essential elements i.e. Zinc, Copper, Iron, Boron, Manganese and Molybdenum. It takes care of hidden hunger condition of plants which can be easily corrected by Micro N Mix. It insures luxuriant growth and sustainable higher productivity for all kind of crops.

BENEFITS

- It reduces dropping of leaves, flowers, fruits and helps in increasing the quantity of flowers & fruits.
- It helps in better utilization of NPK & also takes care of hidden hungers which cannot be easily seen through symptoms on the crops.
- It does helps the plant to grow with vigor, produce high yield of better quality as well as quantity.
- It supplies balanced nutrition to plants through drip and foliar application.

APPLICATION INSTRUCTION:

- For Foliar application : 01 gm/ lit of water
- For Drip irrigation : 400–500 gm/acre



PACKING

- 100 gm
- 500 gm
- 250 gm
- 1 KG

BORO.DOT

IMPORTED BORON - 20%

DI-SODIUM OCTABORATE TETRAHYDRATE – $\text{Na}_2\text{B}_8\text{O}_{13} \cdot 4\text{H}_2\text{O}$

BORO.DOT, Imported Boron-20% is one of the most pure and powerful nutrient element. BORO.DOT gets easily inserted into the plant whenever needed. BORO.DOT immediately get degraded and consumed as soon as reaches in to the plant as micronutrients. It ensures optimal utilization of Boron for better growth and sustainable higher productivity for all kind of crops.

BENEFITS

- Improved cell wall structure by movement of calcium.
- Improved cell division at root tips, leaf and bud formation.
- Improved sugar transportation rate via photosynthesis in root reason.
- Regulation of hormone levels in plant for growth and reproduction.
- Meristem differentiation providing flowering and fruiting of plants.

SPECIFICATIONS

Parameter	Guaranteed Value
Boron (as B) % by weight Minimum	20.0
Matter insoluble in water % by weight Maximum	1.0
Lead (as Pb) % by wt. Maximum	0.003
Cadmium (as Cd) % by weight, Maximum	0.0025
Arsenic (as As) % by weight, Maximum	0.01

LIGAND - Fe

CHELATED Fe – 12%

MICRONUTRIENT FERTILIZER

LIGAND is a constituent of several enzymes and pigments, and assists in nitrate and sulfate reduction and energy production within the plant. Although it is not used in the synthesis of chlorophyll (the green pigment in leaves), but it is essential for its formation.

BENEFITS

- It plays critical role in metabolic process such as DNA synthesis, respiration and Photosynthesis.
- It is essential for production of chlorophyll.
- Helps carry electrons to mix oxygen with other elements.
- Require for nitrogen fixation.

SPECIFICATIONS

Parameter	Guaranteed Value
IRON content(as Fe) % by wt. Min. in the form of Fe-EDTA	12.0
pH (5% solution)	5.5 to 6.5
Lead (as Pb) % by wt. Maximum	0.003
Cadmium (as Cd) % by weight, Maximum	0.0025
Arsenic (as As) % by weight, Maximum	0.01



PACKING

- 1 KG
- 10 KG

APPLICATION INSTRUCTION:

- For Foliar application:
1 to 1.5 gm/ lit of water,
- For Drip irrigation:
500 gm – 1kg /acre.



PACKING

- 1 KG
- 10 KG

APPLICATION INSTRUCTION:

- For Foliar application:
15 to 20 gm/15 lit of water
- For Drip irrigation:
400–500 gm/acre.

LIGAND - Zn

CHELATED Zn – 12%

MICRONUTRIENT FERTILIZER

Ligand is a plant micronutrient which is involved in many physiological functions. Its inadequate supply will reduce crop yields. Its deficiency is the most wide spread micronutrient deficiency, results in the development of abnormalities in plants which become visible as deficiency symptoms such as stunted growth, chlorosis and smaller leaves, spikelet sterility.

BENEFITS

- It Assist for water uptake and transport in plants and also reduce the adverse effects of short periods of heat and salt stress.
- It has an active role in the production of an essential growth hormone, auxin which helps with growth regulation and stem elongation.
- It is responsible for activating the enzymes that help in synthesis of protein in plant.
- It plays very important role for grain formation and nutrition.
- Require for nitrogen fixation.

SPECIFICATIONS

Parameter	Guaranteed Value
Zinc content(as Zn) % by wt. Min. in the form of Zn-EDTA	12.0
pH(5% solution)	6.0 to 6.5
Lead (as Pb) % by wt. Maximum	0.003
Cadmium (as Cd) % by weight, Maximum	0.0025
Arsenic (as As) % by weight, Maximum	0.01

LIGAND - Ca

CHELATED Ca – 10%

MICRONUTRIENT FERTILIZER

LIGAND is a component of plant cell walls and regulates cell wall constriction. It is also used in activating certain plant enzymes which send signals to the plant cells that coordinating certain growth activities.

BENEFITS

- It Improves the absorption of other nutrients by roots and their translocation within the plants.
- It is responsible for plant cell division and for strengthening cell walls.
- It helps convert nitrate nitrogen into forms needed for protein production.
- It contributes to improved disease resistance specially root diseases.

APPLICATION INSTRUCTION:

- For Foliar application : 20 to 25 gm/15 lit of water
- For Drip irrigation : 300–400 gm/acre.



PACKING

- 1 KG

APPLICATION INSTRUCTION:

- For Foliar application:
15 to 20 gm/15 lit of water
- For Drip irrigation:
400–500 gm/acre.



PACKING

- 1 KG

LIGAND - Mn

CHELATED Mn – 12%

MICRONUTRIENT FERTILIZER

LIGAND is important micronutrient which is involved in various biological systems including photosynthesis, respiration and nitrogen assimilation. It is also involved in pollen germination, pollen tube growth, chloroplast formation, root cell elongation and resistance to root pathogens.

BENEFITS

- It assists iron in chlorophyll formation.
- It serves as an activator for enzymes in growth processes.
- It is part of the system where water is split and oxygen gas is liberated.
- It also plays a role in building carbohydrates and metabolizing nitrogen.

APPLICATION INSTRUCTION:

- For Foliar application : 10 to 15 gm/15 lit of water
- For Drip irrigation : 250–300 gm/acre.



PACKING

- 1 KG

LIGAND - Cu

CHELATED Cu – 15%

MICRONUTRIENT FERTILIZER

LIGAND is essential in several enzyme processes and is key to formation of chlorophyll. It is also required in the process of photosynthesis, plant respiration and assists in plant metabolism of carbohydrates and proteins.

BENEFITS

- It serves to intensify flavour and colour in fruits/vegetables and colour in flowers.
- It plays an important role in Nitrogen and Iron utilization.
- It is involved in lignin formation which stop lodging of crops.
- It enhances disease resistance in plant.

APPLICATION INSTRUCTION:

- For Foliar application : 10 to 15 gm/15 lit of water
- For Drip irrigation : 250–300 gm/acre.



PACKING

- 1 KG

LIGAND - Mg

CHELATED Mg – 06%

MICRONUTRIENT FERTILIZER

LIGAND is an important for photosynthesis in plants. Without It chlorophyll cannot capture energy from sun needed for photosynthesis. LIGAND is also used for the metabolism of carbohydrates and in the cell membrane stabilization.

BENEFITS

- Important for translocation of carbohydrates and enhances the production of oil and fats.
- Essential for plant respiration and nutrient uptake control.
- It is necessary for cell division and protein formation.
- Important to make leaves greener.

APPLICATION INSTRUCTION:

- For Foliar application : 25 to 30 gm/15 lit of water
- For Drip irrigation : 400–500 gm/acre.



PACKING

- 1 KG

CARBON

SUPER POTASSIUM HUMATE

(A HIGH QUALITY BIO STIMULANT)

CARBON is a water soluble macromolecule, potassium humate in a black brown crystal form, acts as a conditioner for the soil and as a bio-catalyst and bio-stimulant for the plant. CARBON is an excellent source of essential elements in a natural way as required by the plant & soil with a concentrated doze, which can create a suitable environment for soil microbes. CARBON is now recognized as a single most productive input in sustainable agriculture and is useful for all kind of crops.

BENEFITS

- Increase water holding capacity and improve soil workability.
- Improve soil aeration and makes soil more friable or crumb.
- Higher nutrients retention and slow release feeding to the crop.
- Prevents losses of nutrients from the soil results in forceful appearance of flowering & fruiting cycle.
- Chelats nutrients for uptakes by plants and increases percentage of total nitrogen in soil.
- Increases root respiration and formation.
- Stimulates growth and proliferation of soil Micro Organism.
- Accelerates plants cell division & promotes growth.



PACKING

- 250 GM • 500 GM • 1 KG

APPLICATION INSTRUCTION:

- For foliar application : 25 – 30 g/15 lit of water,
- For drip irrigation : 500 – 750 g/acre
- In flood Irrigation : 750 – 1000 g/acre
- For blending : 1.0 to 2.0 kg/100 kg fertilizer.
- **Caution:** Dissolve the material in a small tank and do filtering when used for drip irrigation.

SPECIFICATIONS

Parameter	Guaranteed Value
Humic Acid (Dry base)	40.0%
Potassium Content (as K2O)	04.0%
Q.S.	56.0%
Appearance	Flake

ASCOCEAN

BIO STIMULANT
(SEA WEEDS EXTRACT LIQUID)

ASCOCEAN has been extracted from the processing of marine plant seaweed derived from the Ocean. ASCOCEAN is now recognized as a single most productive input in sustainable agriculture and useful for all crops.

BENEFITS

- Enhances yield and quality of crops, vegetables and fruits.
- Improves blossom and fruit set.
- Increases metabolism and stimulates root growth.
- Promotes cell division, reduces flower & fruit drop.
- Assisting plant to endure environmental stress.
- Accelerates the formation of soil aggregate texture to ensure good ventilation in the soil and improve soil structure.

SPECIFICATIONS

Parameter	Guaranteed Value
Humic Acid	04% w/w Min
Alginic Acid	0.4% w/w Min
Preservatives & Demineralised aqua	Q.S.% w/w
Total	100% w/w
Appearance	Brown to Dark Brown liquid

FLOURISH

A UNIQUE BIO STIMULANT

BENEFITS

- It includes respiration, photosynthesis, cell formation, enzyme and hormone production, water and nutrient uptake and transportation.
- Enhances higher intake of nutrients and increase the plant growth.
- Increases the production and quality of the crops.
- Reduces flower & fruit drop.
- Increases fighting power of plant against diseases.

SPECIFICATIONS

Parameter	Guaranteed Value
Amino Acid	04% w/w Min
Vitamin B9 (Folic Acid)	0.09% w/w Min
Preservatives & Demineralised aqua	Q.S.% w/w
Total	100% w/w
Appearance	Golden Yellow colour

APPLICATION INSTRUCTION:

- For foliar application : 0.5 to 1 ml per litre of water
- For drip irrigation : 200 – 250 ml/ acre.



PACKING

- 100 ML
- 250 ML
- 500 ML
- 1 LTR

APPLICATION INSTRUCTION:

- For foliar application :
2 ml per litre of water
- For drip irrigation :
750 – 1000 ml/acre



PACKING

- 100 ML
- 250 ML
- 500 ML
- 1 LTR

ASCOZYME

BIO STIMULANT, ZYME GRANULES

BENEFITS

- Helps in improving seed germination.
- Enhances higher intake of nutrients and increase the plant growth.
- It works as a soil conditioner. It improves overall soil health.
- Increases fighting power of plant against diseases.
- It increases the quality, size and number of leaves, flowers and fruits.

SPECIFICATIONS

Parameter	Guaranteed Value
Alginic Acid	0.03% w/w Min.
Protein Hydrolysate	0.06% w/w Min.
Fulvic Acid	0.04% w/w Min.
Bentonite Granules	99.87 % w/w
Total	100 % w/w
Appearance	Black Granules

APPLICATION INSTRUCTION:

- Soil application mix with fertilizer and broadcast : 8 to 10 kg/acre.
- Soil application applies without fertilizer and broadcast : 10 to 15 kg/acre.



PACKING

- 10 kg bucket
- 20 kg bag



SYMBIOSIS™

LIQUID CONSORTIA

BIO- FERTILIZER

BENEFITS

- Symbiosis is a liquid consortium of Rhizobium, Azotobacter, Azospirillum, Phosphobacteria, and Potash Solubilizing biofertilizers. It increases the availability of Nitrogen, Phosphorus and potassium to the crops.
- It decomposes organic matter and Help in soil mineralization.

SPECIFICATIONS

Parameter	Guaranteed Value
Individual Viable count in base	CFU minimum in a mixture of any 2 or more of liquid following micro organism
	CFU Minimum. Rhizobium or Azotobacter or Azospirillum 1×10^7 per ml
	CFU Minimum PSB 1×10^7 per ml
	CFU Minimum KSB 1×10^7 per ml
Total visible count of all the bio- fertilizer organism in the product	CFU minimum 5×10^7 cell per ml of liquid based.
Contamination level	No contamination at 105 dilution.
pH	5.0 – 7.0
Efficiency Character	
Azotobacter	The strain should be capable of fixing at least 10 mg N-fixation/g of C- source.
Azospirillum	The strain should be capable of fixing at least 10 mg N-fixation/g of malate applied.
PSB	Minimum 5 mm zone of solubilization on PSB media having at least 3 mm thickness
KMB	Minimum 5 mm zone of solubilization on KSB media having at least 3 mm thickness
Rhizobium	Nodulation test Positive.

APPLICATION INSTRUCTION:

- For Drip Irrigation:
1 liter /Acre
- Broadcasting:
Mix 1 liter of Symbiosis with 500 kg well decompose FYM/ City compost and broadcast uniformly in an acre of land.



PACKING

- 1 LTR

SYMBIOSIS™

MYCORRHIZAL

BIO- FERTILIZER

BENEFITS

- Symbiosis Mycorrhiza is a symbiotic association between the fungus and vascular host plants. They help in promoting plant growth.
- It produces growth hormones they increases the resistivity of plants against plant pathogens.
- It increases the surface area of root for the better absorption of nutrients from the soil.
- It permits the plant to obtain additional moisture and nutrients. When Symbiosis is present, plants are less susceptible to water stress.

Specification: Symbiosis Mycorrhizal (VAM) ,As per FCO notification dt 1st July

SPECIFICATIONS

Parameter	Guaranteed Value
Total Mycorrhizal Viable propagules/ gram of product (Minimum)	100 gm of finished product with minimum 60 spores per gm.
Intensity potential (Minimum)	1200 IP/gm
pH	6.0 – 7.5
Moisture content per cent (Maximum)	12
Formulation 60 spores/ gm	Powder

APPLICATION INSTRUCTION:

- For Micro Irrigation & Drenching : 100 gm /Acre
- Broadcasting : Mix 100 gm of Symbiosis with 500 kg well decomposed FYM/ City Compost and broadcast uniformly in an acre of land, must be maintained suitable moisture condition during application.



PACKING

- 100 GM

SYMBIOSIS™

PSB (Phosphate Solubilising Bacteria 1x10⁸ cell/ml)

BIO- FERTILIZER

BENEFITS

- Symbiosis is capable of transforming accumulated insoluble phosphorus to soluble form.
- The use of Symbiosis is a promising approach to improving food production through enhancing Agriculture yield.



SPECIFICATIONS

Parameter	Guaranteed Value
Base	Carrier based in form of moist/dry powder or granules or liquid based or capsule in gelatine base.
Visible cell count	CFU minimum 5x10 ⁷ cell/g of carrier material or 1x10 ⁸ cell/ml of liquid material.
Contamination level	No contamination at 105 dilution.
pH	6.5 – 7.5 for moist/dry powder granulated carrier based and 5.0 -7.5 for liquid based or capsule in gelatine base.
Particle size in case of carrier based material	All material shall pass through 0.15-0.212 mm IS sieve.
Moisture per cent by weight, Maximum in case of carrier based	30 – 40 %
Efficiency character	The strain should have phosphate solubilising capacity in the range of minimum 30%, when tested spectrophotometrically. In terms of zone formation, minimum 5 mm solubilisation zone in prescribed media having at least 3 mm thickness.
Type of Carrier	The carrier material such as peat, lignite, peat soil, humus, wood charcoal or similar material favouring growth of the organism.

PACKING

- 1 LTR

APPLICATION INSTRUCTION:

- For Drip Irrigation: 1 liter /Acre
- Broadcasting : Mix 1 liter of Symbiosis with 500 kg well decomposed FYM/City compost and broadcast uniformly in an acre of land.

SYMBIOSIS™

PHOSPHATE SOLUBILISING FUNGAL

BIO- FERTILIZER

BENEFITS

- Symbiosis is capable of transforming accumulated insoluble phosphorus to soluble form.
- The use of Symbiosis is a promising approach to improving food production through enhancing Agriculture yield.

SPECIFICATIONS

Parameter	Guaranteed Value
Base	Carrier based in form of moist/dry powder or granules or liquid based .
Spore count (Per ml or gram)	Maximum 1×10^6 spores /g 1×10^7 visible fungal spores/ml of liquid.
Contamination	Nil for liquid inoculums 1×10^3 cells/gm for carrier based preparation.
pH	Liquid : 3.5 to 5.5 Carrier : 6.0 to 7.0
Moisture per cent by weight, Maximum in case of carrier based	10
Efficiency character	The strain should have phosphate solubilisation capacity in the range of 30%, when tested spectrophotometrically. In terms of zone formation, minimum 10 mm solubilisation zone in prescribed media having at least 3 mm thickness.



PACKING

- 1 LTR

APPLICATION INSTRUCTION:

- For Drip Irrigation:
1 liter /Acre
- Broadcasting:
Mix 1 liter of Symbiosis with 500 kg well decomposed FYM/ City compost and broadcast uniformly in an acre of land.

GIR LION : NEEM CAKE

AZADIRACHTA INDICA

A Pure Natural Organic Manure

BENEFITS

- Rich in organic and mineral substances essential for plant growth.
- Improve soil workability and makes friable.
- Increase water holding capacity and aeration of soil.
- Stimulates growth and proliferation of soil Micro Organism.
- Control soil based pathogens and nematodes.
- It disrupts and repels the growth and production of insect's egg, larvae, nymphs and pupae.



PACKING

- 50 KG



Range of Quality Products



MIKSKAAR

Mikskaar from Estonian is one of the largest peat moss producers in World, producing top quality Peat Moss for the past 21 years. The substrates are made of 100% natural peat moss originating from peat fields that are well chosen and cared for, free from any pollutants and weed free. Mikskaar products have been approved by great nurseries and well-known flower farms in various destinations in the world.

Kshitij Agrotech, India has collaborated with Mikskaar, Estonia to make this Peat Moss available for first time in India

Type	Brand	Specification	Particle size (mm)	pH	E C (Ms/cm)	Packing Size
Fine Substrate for young plant	MKS1	White peat & little decomposed, Good water & air porosity, less water holding capacity, with WSF & Micronutrients, Best use in Monsoon & Winter	0-6	5.5-6.5	0.7	Available in Compressed bale Small- 275L, Big-5600L
Black peat substrate for young plants & seedlings	MPS1	Mixture of more decomposed black & white peat, Good aeration & water holding capacity, with WSF & Micronutrients, Best use in summer.	0-6	5.5-6.5	0.7	Available in non-compressed bales of 50L,70L & 4500L
Universal Substrate Trays & Potting	MKS11	Little decomposed, Good aeration & enough porosity, with WSF & Micronutrients, Best for all season crops.	0-10	5.5-6.5	1.1	Available in Compressed bale Small- 275L, Big-5600L
Substrate for potting	MKS2	Little decomposed, high aeration & good porosity, with WSF & Micronutrients, Best for all season crops.	6-20	5.5-6.5	1.1	Available in Compressed bale Small- 275L, Big-5600L
Base Substrate	MKSO	Little decompose white peat, Particle size can be chosen based on the purpose, 100% natural no WSF & Micro nutrients, Best use in monsoon & winter	0-5, 0-6, 0-10	5.5-6.5	<1.0	Available in Compressed bale Small- 275L, Big-5600L



"PEAT BOG" & "PEAT FIELD" OF MIKSKAAR, ESTONIA





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Kshitij Nutriscience (I) Pvt. Ltd.

Registered Office: C-601, Titanium Square, Nr. BMW Showroom, Thaltej Cross road, Thaltej, Ahmedabad, Gujarat – 380054. India.

Warehouse: Plot No 13 (Survey No. 271) NH-8, Madhav Industrial Hub, Kanera, Dist. Kheda, Gujarat – 387540. India.

CIN No.: U24296GJ2021PTC126485 | **Contact:** +91 9638011414 | **E-mail:** info@kshitijnutriscience.in

www.kshitijnutriscience.in