



A World leader in plant Nutrition





Omex Vision

- ✦ To make agricultural produce more nutritious, healthy & safe for world consumption.
- ✦ To create quality produce for indigenous use as well as export purpose with zero residue.
- ✦ To induce strength, disease resistance & vigour in crops for better yields.
- ✦ To spread awareness about nutrition advances in farmers.
- ✦ To produce farmer friendly, high concentration, highly compatible, world class chemistry products with excellent absorption 'eba' technology.

Grow With OMEX

OMEX is a dynamic group of companies operating throughout the world, specialising in complex liquid formulations for use in industries, ranging from agriculture to energy.



Omex - A Brand in Nutrition

OMEX develops, manufactures and exports a unique range of liquid foliar fertilisers and plant health promoters. The majority of the product range is designed for foliar application, but specialised seed treatments and a wide variety of high grade water soluble NPK powders for fertigation are also manufactured.

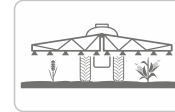


Omex speciality liquid fertilisers are packed with nutrients at far higher concentrations than normal foliar fertilisers, giving your crops the nutrition they need just when they need it. Most of foliar fertilisers are 100% water soluble, making them easy to apply by fertigation or foliar sprays, and are often tank mixed with ag-chem applications.



Suspension Fertilisers

- OMEX suspension fertilisers are tailor made to match field and crop requirements.
- They are concentrated thixotropic liquids, which means they remain gelled when static and fully flowable when pumped, ensuring the high concentration of plant nutrients remains completely homogeneous.



Why Foliar Fertilizers

Plants get the majority of their nutrients from the soil by root absorption, however there are many instances where foliar nutrient supply is both necessary and beneficial -

- Bypass limiting soil conditions prevent nutrient deficiency minimise environmental impact
- Target specific organs
- Alleviate stress situations
- Growth boosting during critical stages of plant development
- Supply nutrients to plants with deep root systems
- When soil application is not effective because of mechanical or biological root damage



Suspension Fertilisers

- Suspensions can contain almost any mix of nutrients and micronutrients, which are perfectly mixed so that each droplet of the product contains the complete analysis of nutrients, for unbeatable accuracy and consistency.
- While solid blended fertiliser is prone to segregation, OMEX suspensions do not separate or settle during transport and application, and remain fully uniform from the factory to the last drop applied in the field.



Why OMEX fertilizers

- Complete formulations containing macro elements, micro element and biostimulants all in one product
 - Highest quality raw materials with extremely low heavy metals
 - Stable formulations compatible with almost all tank mixes
- eba™ technology optimises foliar uptake and assimilation of nutrients
 - Highly concentrated formulations reduces cost per hectare
 - Formulations based on expertise, research and optimisation
 - Made in the UK and recognised worldwide as a trusted and reliable brand



Vigour The Plant Nutrition Company

Vigour, being authorised importer of Omex Agrifluids, working as channel partner for Omex from last seven years. In all these years the distributors & dealers have helped farmers by recommending totally new range of Omex foliar nutrition for better & quality yield.



Products - Tested

In last seven years, Omex products like Bio20, Calmax Gold, Sequential 2, Zinc 70, DP 98, Magnesium Oxide have shown excellent results. Farmers shared their experiences & highly appreciated the products as well.



In grapes, pomegranate, tomato, chilli, capsicum and in many other vegetables, Omex nutrition products are proved to be exceptionally good. Being in liquid form, these products are easily adopted & used by farmers. Nutrition through spray has now become a trend in grapes & pomegranate followed by vegetable growers.



Vigour The Plant Nutrition Company

Vigour, being agri entrepreneur company knew the exact crop nutrition requirement and likewise positioning the products at appropriate stage. This gives great advantage for business.



Products - Proven

Fruit crop specific problems like flower drop, fruit size, fruit colour, cane maturity has been critically advised & managed by Omex products. Horticulture and cash crop growers are already well versed with advances & technologies. For them Omex products are like ready to use formulae products.



Some of Omex products are designed as Nutrition for Disease Management. This gives sales advantage over other products available in the market which are formulated only for nutrition purpose. Credit goes to Omex product chemistry & Eba technology.





CONTENT

- Albert Solution
- Bio 20
- Kingfol Zinc 70
- Calmax Gold
- DP 98
- Sequential 2
- Foliar Boron
- C + B
- Micromax
- Zynergy
- Kingfol Magnesium



Albert Solution

- Water Soluble fertilizer mixture containing 12 essential nutrient together.
- Avoid nutrient locking, fixing & wastage.
- Nutrients immediately available for plant uptake.
- No risk of blockages to irrigation equipment.
- Balanced nutrients for root uptake giving quality growth & yield.

Time of Application : In all crop stages

Dose : Drip - 2 kg per acre
Mixed with other fertilizer

Omex Albert Solution Specification

Guaranteed Contents		Wt/Wt	Trace Elements		
Nitrogen	N	10.60%	Copper	(EDTA)	Cu 35 mg/kg
Phosphorous	P ₂ O ₅	9.30%	Zinc	(EDTA)	Zn 150 mg/kg
Potassium	K ₂ O	16.30%	Iron	(EDTA)	Fe 660 mg/kg
Magnesium	MgO	2.90%	Boron		B 35 mg/kg
Calcium	CaO	13.20%	Manganese	(EDTA)	Mn 130 mg/kg
Sulphur	S	2.30%	Molybdenum		Mo 20 mg/kg

How to mix & dissolve Albert Solution : First take 3 liter of water in a bucket & pour 1 kg of Albert Solution in it. With continuous stirring thoroughly mix Albert Solution in water. This will make stock solution. Now pour this Albert stock solution in 100 to 200 lit water tank.



Available Packing

Albert Solution



Bio 20 - Seaweed-based biostimulant

- Bio 20 contains macro and chelated micronutrients
- supplies essential nutrients to seedlings and plants
- This formulation provides the stimulus for healthy, active growth.
- Plants respond by producing greater green leaf area and root biomass thereby maximise utilisation of moisture and nutrients giving improved flower/fruit set.
- Gives higher tolerance to environmental stress conditions caused by high temperatures, soil conditions, moisture availability and disease.

Time of Application : From 2 leaf stage
In all crop stages

Dose : Spray - 2 ml per Liter Water
Drip - 500 ml per acre

Omex Bio 20 Specification

		Wt/Wt	Wt/Vol			Wt/Wt	Wt/Vol
Nitrogen	N	13.40%	20.00%	Copper (ETDA)	Cu	0.048%	0.073%
Phosphate	P ₂ O ₅	13.40%	20.00%	Manganese (ETDA)	Mn	0.048%	0.073%
Potassium	K ₂ O	13.40%	20.00%	Boron	B	0.019%	0.029%
Magnesium	Mg	1.00%	1.50%	Cobalt (ETDA)	Co	0.0008%	0.0012%
Iron (EDTA)	Fe	0.096%	0.146%	Molybdenum	Mo	0.0008%	0.0012%
Zinc (ETDA)	Zn	0.048%	0.073%	Seaweed Extract		18.40%	28.00%
pH (10% Solution)			4.0-5.0	Specific Gravity		1.50-1.54 g/ml @ 18°C	



Available Packing

Bio 20



Kingfol Zinc 70

- Zinc is involved in the formation and activation of hormones that regulate root development, water uptake, flowering and fruit set.
- Zinc plays a major role in the structure and function of the integumentary system, affecting skin elasticity, wound healing and disease suppression.

Time of Application : In initial crop growth stage

Dose : Spray - Half ml per Liter Water
Drip - 100 ml per acre

Omex Kingfol Zinc 70 Specification

		Wt/Wt	Wt/Vol
Zinc	Zn	39.50%	70.00%
Nitrogen	N	00.90%	01.70%
pH (10% solution)			8.5-9.5
Specific Gravity			1.71 g/ml @ 18°C

Features of Kingfol Zinc 70 over other Zinc source

Features	Zinc Sulphate	Chelated Zinc 12%	Omex Zinc 70
Dose/Acre	10 Kg	750 gram	100 ml.
Mixing with Other Fertilizers	Not Recommended	Can be mixed	Can be mixed
DAP Compatibility	Very Less	Fully	Fully
Fixation in Soil	96-98%	Do not get fixed	Do not get fixed
Leaching, Wastage	No Wastage	No Wastage	No wastage
Effectiveness	For long duraion	For less period	For long duraion
Hazardous to Health	Mercury/Lead	Not at all	Not at all
Cost per acre (Rs.)	260/-	400/-	250/-
Availability to plants	21-84 gram	75 – 90 gram	140 gram
Use for Seed Treatment	No	Yes	Yes



Available Packing

Kingfol Zinc 70



CalMax Gold -

- Omex CalMax Gold contains high levels of calcium, coupled with magnesium and a full complement of trace elements which are formulated for easy uptake.
- Amino acids in Omex CalMax Gold stimulate internal chemical pathways which promote fruit set, resulting in increased fruit yields.
- Omex CalMax Gold improves fruit firmness, storability, colour and finish in a range of fruits and vegetables.
- Applying Omex CalMax Gold through foliar program corrects calcium deficiency

Time of Application : During flowering, fruit set and fruit development stage

Dose : Spray - 2 ml per Liter Water
Drip - 500 ml per acre

Omex CalMax Gold Specification

		Wt/Wt	Wt/Vol			Wt/Wt	Wt/Vol
Calcium	Ca	11.00%	17.60%	Boron	B	0.050%	0.080%
Calcium as	CaO	15.50%	24.80%	Copper (EDTA)	Cu	0.050%	0.080%
Amino Acids		5.50%	9.00%	Zinc (EDTA)	Zn	0.050%	0.080%
Magnesium	MgO	2.00%	3.20%	Molybdenum	Mo	0.001%	0.0016%
Manganese (EDTA)	Mn	0.10%	0.16%	Total Nitrogen	N	10.00%	16.00%
Iron (EDTA)	Fe	0.10%	0.16%				
pH (10% Solution)		4.0 - 5.0		Specific Gravity		1.60 - 1.64g/ml @ 18°C	



Available Packing

CalMax Gold



DP 98

- Potassium Phosphite in DP 98 stimulates root growth and improves establishment of young plants. This results in a more regular crop stand and higher plant population.
- Conventional phosphate products will be mobilised in the plant through the xylem and often fail to supply the crop with sufficient phosphorus.
- Omex DP 98 will however translocate phosphorus through both the phloem and the xylem and thereby supplying essential phosphorus to the root zone and the crop canopy.

Time of Application : After leaf initiation stage

Dose : **Spray** - 2 ml per Liter Water
 Drip - 500 ml per acre

Omex DP 98 Specification

		Wt/Wt	Wt/Vol
Nitrogen	N	5.00%	6.67%
Phosphate	P ₂ O ₅	28.00%	37.80%
Potassium	K ₂ O	13.00%	17.00%
Phosphorus Acid Equivalent			425g/Litre
pH (10% solution)			5.0-7.0
Specific Gravity		1.33-1.35/ml.	@ 18°C



Available Packing

DP 98



Sequential 2

- Highly concentrated NPK suspension fertilizer with emphasis on potassium, also contains phosphorous, nitrogen, magnesium & micro-nutrients.
- Potassium is required during the later stages of the crop development.
- Potassium regulates stomatal movements and maintains metabolic systems for the transport of sugars.
- During reproductive growth stages, Omex Sequential 2 supplies essential potassium whilst maintaining other elements at optimal concentration.
- Omex Sequential 2 supplies magnesium which is often deficient in crops grown on light, sandy soils. Magnesium together with other micro nutrients are vital for chlorophyll and protein synthesis.

Time of Application : From fruit development stage up to harvesting

Dose : Spray - 2 ml per Liter Water
Drip - 500 ml per acre

Omex Sequential 2 Specification

		Wt/Wt	Wt/Vol			Wt/Wt	Wt/Vol
Nitrogen	N	6.33%	10.00%	Zinc	(EDTA) Zn	0.056%	0.088%
Phosphate	P ₂ O ₅	12.66%	20.00%	Copper	(EDTA) Cu	0.056%	0.088%
Potassium	K ₂ O	25.32%	40.00%	Manganese	(EDTA) Mn	0.056%	0.088%
Magnesium	Mg	1.00%	1.58%	Boron	B	0.022%	0.035%
Iron	(EDTA) Fe	0.111%	0.175%	Cobalt	(EDTA) Co	0.0007%	0.0011%
				Molybdenum	Mo	0.0008%	0.0012%
pH (10% Solution)			4.0-5.0	Specific Gravity		1.56-1.60 @ 18°C	



Available Packing

Sequential 2



Foliar Boron

- The primary factors affecting boron availability are soil pH and soil moisture.
- Boron is actively involved in the transport of sugars across cell walls and the synthesis of cell wall material.
- Boron deficiencies will retard new growth and development. Root crops, oil seeds, cotton, vines and other vegetables are susceptible to boron deficiency.
- Pollination is greatly influenced by boron availability. Use of Foliar boron to improves pollen development and maximise fruit set.
- Boron avoid impaired fertilisation in Grapes.
- Boron deficiency causes distorted flowers leading to flower and boll shedding in cotton.

Time of Application : Before and after flowering

Dose : **Spray** - 2 ml per Liter Water
Drip - 500 ml per acre

Omex Foliar Boron Specification

		Wt/Wt	Wt/Vol
Nitrogen	N	4.80%	6.50%
Boron	B	10.00%	15.00%
pH (10% Solution)			8.0 - 9.0
Specific Gravity		1.35-1.39 @ 18°C	



Available Packing

Foliar Boron



Ca + B

- Calcium is a primary constituent of all cell walls & Membranes.
- Boron is actively involved in the transport of sugars across cell wall material.
- Calcium Boron improves fruit firmness, colour and skin finish in all fruits and vegetable crop.
- Increasing fruit calcium promotes longer storage life & resists a rang of physiological break down conditions.
- Restrictions in the availability of calcium will adversely affect cell division, impair the structural stability & permeability of cell walls.

Time of Application : During flowering, Fruit setting and development stage

Dose : **Spray** - 2 ml per Liter Water
 Drip - 500 ml per acre

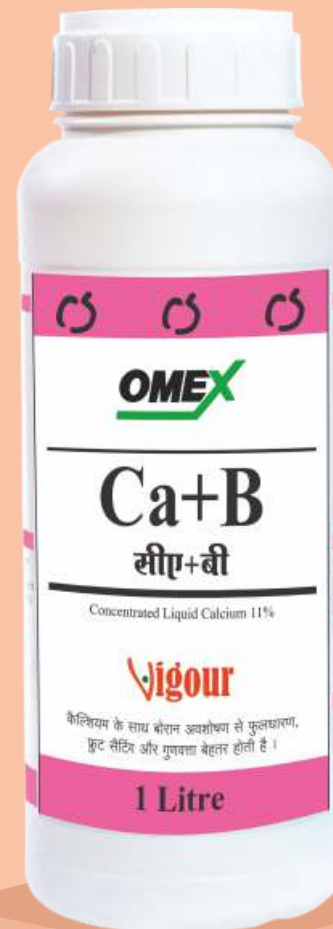
Omex Ca+B Specification

		Wt/Wt	Wt/Vol
Calcium	CaO	11.00%	17.60%
Boron	B	2.00%	3.00%
pH (10% Solution)			5.5-6.5
Specific Gravity		1.48-1.52g/ml@ 18°C	



Available Packing

Ca + B



Micromax

- Omex Micromax is water soluble fluid emulsion containing chelated micro-elements, magnesium and sulphur.
- Micro-elements are essential for plant development and crop yield, however under certain circumstances micro nutrients may become seriously deficient in plant tissue owing to adverse soil type, soil pH and soil moisture.
- Omex Micromax applications provide the crop with a balanced range of micro-elements which can be readily absorbed through the leaves or the roots.

Time of Application : One spray every month from initial crop growth stage

Dose : Spray - 1 ml per Liter Water
Drip - 250 ml per acre

Omex Micromax Specification

		Wt/Wt	Wt/Vol			Wt/Wt	Wt/Vol	
Zinc	(EDTA)	Zn	3.00%	3.90%	Molybdenum	Mo	0.10%	0.12%
Iron	(EDTA)	Fe	2.50%	3.25%	Boron	B	0.75%	1.00%
Manganese	(EDTA)	Mn	1.50%	1.95%	Magnesium	MgO	1.00%	1.30%
Copper	(EDTA)	Cu	1.00%	1.32%	Sulphur	S	1.40%	1.82%
pH (10% solution)			5.7-6.7		Specific Gravity		1.30-1.34g/ml @ 18°C	



Available Packing

Micromax



Zynergy

- A unique complex of copper, zinc and sulphur. Omex Zynergy corrects deficiencies and improves plant health and tolerance to abiotic stress.
- Zinc is involved in the formation and activation of hormones that regulate root development, water uptake, flowering and fruit set.
- In addition, Zinc plays a major role in skin elasticity, wound healing and disease suppression.
- Copper is involved in photosynthesis and the binding of cells that support plant structure, affecting stem strength and the development of new shoot and root tissue.
- Copper is also involved in the activation of a number of enzyme systems related to protein, carbohydrate and nitrogen metabolism.

Time of Application : In all crop stages

Dose : **Spray** - 1 ml per Liter Water
Drip - 250 ml per acre

Omex Zynergy Specification

		Wt/Wt*	Wt/Vol*
Copper	Cu	2.11	2.66
Zinc	Zn	3.75	4.72
Sulphur	SO ₃	7.40	9.10
pH (10% solution)			0.75-1.75
Specific Gravity			1.24-1.28 g/ml@18°C



Available Packing

Zynergy



Kingfol Magnesium

- Fully water soluble fluid emulsion fertiliser containing high concentrations of magnesium and magnesium oxide.
- Magnesium is a vital constituent of chlorophyll and is therefore a crucial element in all crops.
- Magnesium deficiency is often experienced in areas of light sandy soils with a low pH. Magnesium deficiency will be exhibited as pale white stripes on the leaf, leaf tip browning and reddish interveinal discolouration.
- Magnesium deficient plants will be characterised by lack of vigour and delayed reproductive stages.

Time of Application : In all crop stages

Dose : Spray - 1 ml per Liter Water
Drip - 250 ml per acre

Kingfol Magnesium Specification

		Wt/Wt	Wt/Vol
Magnesium	Mg	16.50%	21.90%
Magnesium Oxide	MgO	27.60%	36.70%
pH (10% solution)		9.25 - 10.25	
Specific Gravity		1.31-1.35 g/ml@18°C	



Kingfol Magnesium



FAQs - Frequently Asked Questions

Q.1 In how many countries do Omex is functioning ?

Ans. Omex Agrifluids sells its products in over 70 countries & having 100+ nutrition range.

Q.2 Is Omex really produces unique concentration of nutritional products ?

Ans. Omex produces high concentration of nutrition range like 24.8% CaO (Calmax Gold), 39.5% Kingfol Zinc & 40% Pottasium are its unique concentrations.

Q.3 Whether all Omex products are enabled with Eba technology ?

Ans. No.
Only foliar nutrients are enabled with Eba technology.

Q.4 What about omex product compatibility ?

Ans. Omex products are compatible with most of the quality insecticides and fungicides. But as a precautionary measure it is always better to conduct jar test before use.



Q.4 Is there any residual effect of Omex products ?

Ans. No.
All Omex products are residue free especially formulated for use in export produce.

Q.6 Is the concentration of products get diluted in storage ?

Ans. No.
There is no change in the concentration of the product in storage. Only thing is user should shake the bottle well before opening it. Products can be used till 3 years from the date of manufacturing.

Q.7 Are the Omex products safe for human handling ?

Ans. Yes.
All Omex products are safe for human handling with taking few basic precautions like wearing hand gloves & head mask while spraying.

Q.8 What other services Omex provides for better nutrition ?

Ans. Omex has its own Advance Analytical Lab where petiole analysis facility is available by which precise nutrition can be done especially for Grapes & Pomegranate.

Total Crop Nutrition from one nutrition partner

Omex Global Distribution



- Production Plant & Export Sales
- Distributors
- Regional Office

Vigour in Picture



Vigour Director Mr. Nilesh Vasekar accompanying Omex Managing Director Mr. Peter Prentis



Omex MD Mr. Peter Prentis at field visit in Maharashtra



Omex MD Mr. Peter Prentis in product launch program



Omex participation in KISAN Exhibition, Pune MAHARASHTRA





Omex Products At A Glance





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Customer Care No.: 99232 00701

Dealership Enquiry No.: 93220 96129

