

More yield, more Happiness





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MICRO CHEMICALS INDIA

ISO 9001-2008 certified company

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Micro Chemicals India

Indian agriculture is largely ignorant of nutrients beyond NPK. Few farmers are aware that small quantities of micronutrients could dramatically increase production, while reducing a much higher amount of applied NPK. Micronutrients could thus save money and protect the ecology while increasing crop yield and quality.

Micro Chemicals India was set up in 1985 to explore the emerging world of micronutrients. This was a pioneering venture for Eastern India.

Today 'Plantaid' and 'Chelazin' are the dominant brands trusted by a large and growing population of farmers. The concept of micronutrients has spread widely and our range of products has grown with demand, with single micro and secondary nutrients, combination micronutrients and soil conditioners. In the process the team has also gained the trust of forests and governmental agricultural and horticultural departments. The MCI team commands markets throughout the West Bengal & North Eastern states plus Odisha, Bihar and Jharkhand

Our MISSION: "More yield More Happiness"

Micro Chemicals India has a strong research focus with sophisticated laboratories, large field trial facilities as well as modern manufacturing facilities manned by experienced teams and backed by a heavy-duty marketing network.

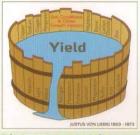
The basic corporate focus is on:

- 1. Uncompromising quality control
- 2. Dedicated marketing support
- 3. Continuing product development.
- 4. Be with the farmers with newer nutrient and farm management technologies.

A. Components of Balanced Plant Nutrients (BPN):



B. Law of the Minimum



"If one nutrient is deficient, plant growth is limited,.."(J. V. Liebig, 1873)

D. Deficiency symptoms of plant nutrients on leaves





C. Micro and Secondary nutrients: Crucial functions in plant systems

Calcium: Helps translocation of photosynthesis from leaves to fruiting organs

Magnesium: Key element of chlorophyll production

Sulphur: Integral part of amino acids and enzymes.

Boron: Essential for growth of pollen tubes and seed formation

Helps synthesis plant growth hormones and enzyme system Catalyzes several plant processes and has antifungal activity

Manganese: Functions as a part of enzyme systems and has antifungal activity

Molybdenum: Required to form the essential enzyme "nitrate reductase"

Iron: Acts as an oxygen carrier

Zinc:

Copper:

Chlorine: Enhances maturity of small grains on some soils

Combination Micronutrients

Brand Name	Technical	Dosage and method of application						
		Vegetables Crops	Cereal Crops	Tuber Crops	Pulses and Oil seeds	Fiber Crops	Fruits, Horticultural Crops and Bittlevine	
Plantaid Liquid	Combination of Zinc, Boron, Mg, Cu, Mn, Mo as per State Govt. notification in Liquid form	3 Foliar Spray @ 2ml/lt. @ 21 days interval		-	2 Foliar Spray @ 2ml/lt. @ 21 days interval	2 Foliar Spray @ 2ml/lt. @ 21 days interval	2 Foliar Spray @ 2ml/lt. @ 21 days interval	100ml, 250ml, 500ml, 1lt.
Plantaid Soil	Combination of Zinc, Boron, Manganese and Copper as per State Govt. notification		Soil application: 5kg/acre during land preparation or during first broadcasting with major fertilizers.					1kg pouch packet, 5kg bag
Plantaid Super	Combination of Zinc, Boron, Mn, Cu, Mo as per State Govt. notification in water soluble powder form	3 Spray @ 2g/lt. @ 21 days interval.	-	3 Spray @ 2g/lt. @ 21 days interval.		-	3 Spray @ 2g/lt. @ 21 days interval.	100g, 250g, 500g, 1kg.
Plantaid Special	Combination of Zinc, Boron, Mo as per State Govt. notification in water soluble powder form	3 Spray @ 2g/lt. @ 21 days interval.		3 Spray @ 2g/lt. @ 21 days interval.		-	3 Spray @ 2g/lt. @ 21 days interval.	100g, 250g, 500g,







Plantaid Special



Brand Name	Technical	Dosage and method of application						
		Vegetables Crops	Cereal Crops	Tuber Crops	Pulses and Oil seeds	Fiber Crops	Fruits, Horticultural Crops and Bittlevine	
Plantaid Mango Special	Combination of Zinc, Boron and growth stimulator in liquid form	-				-	3 Foliar Spray @ 2ml/lt. @ 21 days interval- (I. Before inflorescence, II. 21 days after inflorescence, III. During fruit ripening)	11t bottle, 5lt. jar
Plantaid Potato Special	Combination of Boron, Zn, Mo, Cu, Mn in water soluble crystalline form	-		3 Spray @ 2g/lt. @ 21 days interval.	-	-		250g, 500g
Chelazin Foliar Spray	Combination of zinc and Boron as per State Goyt, notification in water soluble powder form	-	2 foliar spray @ 2g/lt. @ 21 days interval.	-	2 foliar spray @ 2g/lt. @ 21 days interval.	2 foliar spray @ 2g/lt. @ 21 days interval.	<u>.</u>	100g, 200g, 500g
Chelazin Plus Soil	Combination of Zinc, Boron, Cu as per State Govt. notification		Soil applica first	tion: 5kg/acre of t broadcasting v	luring land prepar with major fertiliz	ation or duringers.	ng	1kg pouch packet, 5kg bag
Chelazin Liquid	Combination of Zinc and Boron as per State Govt. notification in Liquid form	3 Foliar Spray @ 2ml/lt. @ 21 days interval	2-3 Foliar Spray @ 2ml/lt. @ 21 days interval		2 Foliar Spray @ 2ml/lt. @ 21 days interval	-	2 Foliar Spray @ 2ml/lt. @ 21 days interval	100ml, 250ml, 500ml, 1lt.



Plantaid Mango Special



Plantaid Potato Special



Chelazin Plus Soil | Chela



Chelazin Foliar Spray



Chelazin Liquid

Single Micro and Secondary nutrients

Brand Name	Technical	Dosage and method of application						
		Vegetables Crops	Cereal Crops	Tuber Crops	Pulses and Oil seeds	Fiber Crops	Fruits and Horticultural Crops	
Chelazin	Zinc(12%)- EDTA chelate		2 foliar	spray @ 1g/lit @	21days interval			50g, 100g, 250g, 500g
Micro Zinc 21	Zinc Sulphate 21%	Soil application: 7-10kg/acre	Soil application: 10kg/acre	Soil application: 10kg/acre	Soil application: 7-10kg/acre	Soil application: 5kg/acre	Soil application: 7-10kg/acre	1kg, 2kg, 5kg
Micro zinc 33	Zinc Sulphate 33%	Soil application: 4-6kg/acre	Soil application: 6kg/acre	Soil application: 6kg/acre	Soil application: 4-6kg/acre	Soil application: 3kg/acre	Soil application: 4-6kg/acre	1kg, 2kg, 5kg
Plantaid Boron	Boron 10.5%		Soil application: 3kg/acre during manuring or last plowing					
Boromax	Boron 20%	3 foliar spray @ 1g/lit @ 21days interval	2 foliar spray @ 1g/lit @ 21days interval	2 foliar spray @ 1g/lit @ 21days interval	2 foliar spray @ 1g/lit @ 21days interval	2 foliar spray @ 1g/lit @ 21days interval	2 foliar spray @ 1g/lit @ 21days interval	500g, 1kg. 100g, 250g, 500g, 1kg
Plantaid Magnesium	Magnesium Sulphate Hepta hydrate]	Foliar Spray: 3g/l	lt. or Soil Applica				500g, 1kg

Chelazin



Micro Zinc-21



Micro Zinc-33



Plantaid Boron



Boromax



Plantaid Magnasium



Brand Name	Technical	Dosage and method of application						Available Packing
		Vegetables Crops	Cereal Crops	Tuber Crops	Pulses and Oil seeds	Fiber Crops	Fruits, Horticultural Crops and Bittlevine	
Plantaid Nutrisulf-L	Water soluble Liquid Sulphur 22% (min.)	3 foliar spray @ 3ml/lit @ 21days interval	2 foliar spray @ 3ml/lit @ 21days interval	2 foliar spray @ 3ml/lit @ 21days interval	3 foliar spray @ 3ml/lit @ 21days interval	2 foliar spray @ 3ml/lit @ 21days interval	3 foliar spray @ 3ml/lit @ 21days interval	100ml, 250ml, 500ml, 1lt.
Plantaid Alright	Calcium based secondary nutrient. Combination of Calcium:18.8%, Nitrogen (in nitrate form): 15.5%	2 foliar spray @ 5g/lt. @ 10 days interval	-	2 foliar spray @ 5g/lt. @ 10 days interval	-	-	2 foliar spray @ 5g/lt. @ 10 days interval	500g

Soil Amendments

Plantaid Soil Conditioner	Calcium and Magnesium Carbonate	Soil application: 60kg/acre	5kg, 10kg
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Root Growth Enhancer

Microdex Indole acetic acid, Indole acetic acid, Indole 2.Seed treatment: 2g/kg seed (Fix the volume of water depending on seed volume). 2.Seedling deep (For Vegetable crops and Horticultural crops only): Dip the root of	
butyric acid, Napthayl acetic Napthayl acetic	50g, 100g, 500g

Fish nutrient

L 1911 Harrich			
Plantaid Nutrifish	Combination of Zn(6%), B(0.8%), Mn(3%), K(6%), Ca(0.5%), Mo(0.03%), Co(0.002%) in water soluble powder form	Dissolve 250g Nutrifish in 50lt. water and apply into a volume of 150 M³ water body. First application: when the fish will attain a body mass of 50g. Second application: After 60 days of first application.	1kg, 5kg



Plantaid Nutrisulf-L



Plantaid Alright



Plantaid Soil Conditioner



Microdex



Plantaid Ntrifish











































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