



INDO-ISRAEL AGROTECH LTD

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FOUNDER PRESIDENT PROFILE



Dr. A.K.MISHRA
M./Sc. Agri., Ph.D. (Soil Science)
Head R&D Cell

The eminent inventor of the company is **Dr. A. K. Mishra**, having Educational qualification – **M. Sc. Agri., Ph.D. (Soil Science)** and Well known in the world as Eminent Soil Scientist & had worked as Agricultural Consultant for **Bangladesh, Indonesia, Ghana , Israel, Egypt , Malaysia** etc countries in abroad and for sugar Industries in India. Dr. Mishra is the inventor of sugar Cane cultivation system known in India as **Dr. MISHRA Zing- Zag PATTa System** and telephonic cultivation systems in Tomato Crop Known as **TELEPHONE SYSTEM** and has developed technologies to get production of M.C.T. Guards by **seeds instead of Tubers**. Dr. Mishra 's interviews had been telecast more than 1800 times as Agricultural Expert on **Door Darshan Kendra** LUCKNOW, DELHI, Ahmadabad, Jalandhar, Mumbai etc. At Present Dr. Mishra is working as Head R& D Cell & Founder Chairman of the Both Company.

Dr. Mishra had been specially awarded by Govt. of Israel (Twice) –

1. During 1996 – For Conversations of waste materials in to best utilizations in the field of Agriculture. **2.DURING 1997-** for the introduction and implementations of Israeli Bio Technologies under Indian Climatic Conditions and Situations.

AWARDS



1996 Israel Govt. Award



1997 Israel Govt. Award

PLANTATION CROP – ARECANUT (Arecanut catechu L.) –PALMAC

Dr. Mishra had visited so many Plantations of ARECANUT and his observations are as below:

- ☞ **ARECANUT** is known as **BETALNUT Or Supari** In India.
- ☞ The planters are not maintains **C:N:Ratio/ Ph of Soils**. Nor they are having soil analysis report of Planted area . which are not good at all.
- ☞ The Planters are not giving any importance to apply **BORDEAUX –MIXTURE /Bordeaux-pest** to control Fungal diseases.
- ☞ The planters are not adopting **Green manuring pattern** and neither using **decomposed F.Y.M.** (Farm yard Manure) .
- ☞ The major plants suffering from root- knot and nematode diseases, termites /Cut worm.
- ☞ The major problems found **YELLOW LEAF DECEASE** in Arecanut plantations. Due to non applications of Organic Manures & not applications of Balanced Nutrients as per requirements of plants.
- ☞ As the the opinion of Dr.Mishra Findings that planters are giving much more importance to nitrogenous fertilizers and neglecting to Phosphorous & potash and not Applying micro-nutrients in a proper recommended does. due to this factor , the **YELLOW LEAF DECEASE** had badly affected to the quality / yields of Arecanut Plants.
- ☞ The Fall downing of fruits found more, due to shortage of Phosphorous elements.
- ☞ Every plant of ARECANUT should be plated (minimum two plants of PEPPER) to get Extra Benefits in ARECANUT PLANTATIONS.
- ☞ To get Higher yields of ARECANUT the root zone of Plants should be healthy and free from fungal / nematode Diseases. Proper fertiagation (as per requirements of plants) must be applied in time Schedules. As per Field experience of Dr.MISHRA , If plant roots will functioning properly& will be healthy then plant will get residence power against all type of diseases.

R&D RECOMMENDATIONS: FOR ARECANUT PLANTATIONS:

- ☞ Please refer our recommendation method to prepare Bordoeaux –mixture / Bordeaux Pest and apply in time Schedules.
- ☞ **The applications of every three month, once Spray and once drenching of Bordeaux mixture must be done.**
- ☞ From earth Lable, UP TO 4to 5 Feet high , bordoeaux pest to be applied through Brush.

The following products to be applied in the month of January- February and June July (Every year):

(FOR per Plant / gms)

Sr No.	PRODUCT BRAND NAME	Plant aged up to 10 years / plant /gm	Plant aged up to 20 years / plant /gm	Plant aged up to 35 years / plant /gm	Plant aged above 50 years / plant /gm	Plant aged up to 70 years / plant /gm	Plant aged above to 70 years / plant /gm
1	FERTONIC -PROM	400	600	800	1000	1300	1600
2.	fertiworm	30	50	60	110	140	160
3.	MOFCA-POTASH	50	70	80	90	100	120
4.	MOFCA- ZINC	50	70	80	90	100	120
5.	MOFCA -PHOS	50	70	80	90	100	120
3.	MOFCA -NEMITOD	40	40	40	40	40	40
4.	MOFCA-FUNJ	40	40	40	40	40	40
5.	MOFCA -COMBI	30	30	30	30	30	30
6.	MICRO -FERT - D	60	80	90	80	100	130
	TOTAL QUANTITY	750	1050	1300	1570	1950	2360

NOTES:

- Select the plants numbers (by keeping 30 Plants as Control Plants) and take the required quantity materials from 1 to 6 and mixed well and to apply in the same proportion on selected plants.
- Required quantity of N.P.K. / micronutrients to be applied as per recommendations of Research Institutes/ University in addition to above doses to get higher yields.
- On controlled plants (30 Plants) our recommended products should not be applied to check the efficacy and effects of Above recommended doses.
- It should be applied 1 ft Depth from earth level in a round shape from 1.5 to 2.00 ft distance from main plants (means in root Zone only.) by breaking all disturbed old roots to develop new White roots.
- The foliar applications of BORDEAUX MIXTURE on Plant leaves to be made once during three months and drenching of BORDEAUX MIXTURE to be made once, in each three months.
- While spraying of Bordeaux mixture , do not use any other chemicals. it should be always Sprayed alone.
- To Full fill requirements of Nitrogen element, it is recommended to use 2% urea Solution to be mixed with all type of Pesticides/ Insecticides/ Bio chemicals etc. as Foliar applications.

THE FOLIAR APPLICATIONS OF BIO-CHEMICALS:

- RECOMMENDATIONS: PER 10 LITERS of Water**
- FERTONIC-200 (Root Bio-chemicals)- 50 ml + FERTONIC -1000 (Strength Bio chemicals)- 50 ml + NIMADOL -Bio Organic Insecticides 50 ml + ferti-stico (Sticking Agents) 10 ml + MICROFERT B Grade - 50 ml to be sprayed on every interval of 60 to 70 days till Harvesting.
- FERTONIC-200- 50 ml + FERTONIC -1000 -50 ml + ferti-stico - 10 ml + FERTONIC -700-50 ml + NIMADOL -50 ml + MICROFERT B Grade - 50 ml to be sprayed at the time of Flowering Stage .
- FERTONIC-200 - 50 ml + FERTONIC -1000-50 ml + ferti-stico - 10 ml + NIMADOL -50 ml+ FERTONIC -900 (Special Fruit Bio chemicals) + MICROFERT B Grade - 50 ml to be sprayed after fruit setting completed till harvest of the fruits.
- use always urea 2 kg per 100 liters of water ,while spray of Bio-chemicals).

NOTES:

- The above recommendations should not be used on 30 plants kept as CONTROL PLOT.
- A clear sky or even a cloudy condition may be considered suitable for undertaking foliar application. Avoid very dry/hot period or noon hours for foliar spray.
- Foliage of plant covering both side of the leaves.

Dr.A.K.MISHRA

M.Sc.Agr., Ph.D. (Soil Scientist)



C & F Agent Karnataka

Seethuru Primary Agricultural Credit Co-Operative Society Ltd.

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