



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 PATTASystem** 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

SPICE CROP – PEPPER (PIPER NIGRUM L.) PIPERACEAE

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

- ☞ The PEPPER Crop must be on each **Planting Shade Trees** by which Extra income to be made by the planters.
- ☞ The plantar are not maintain **C:N:Ratio/ Ph of Soils**. Nor they are having soil analysis report of Planted area . which are not good at all.
- ☞ The Planter 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 Fall downing of fruits found more, due to shortage of Phosphorous elements.
- ☞ Every plant of ARECANUT/ Coffee plantations every **Planting Shade Trees** should be planted (minimum two plants of PEPPER) to get Extra Benefits in ARECANUT /Coffee PLANTATIONS.
- ☞ To get Higher yields of ARECANUT/ coffee & pepper **the root zone of Plants should be healthy and free from fungal / nematode Diseases.**
- ☞ Proper fertigation (as per requirements of plants) must be applied in time Schedules and the fertigations should be made extra to the PEEPER Plants.
- ☞ 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 PEPPER PLANTATIONS:

- ☞ Please refers our recommendations method to prepare **BORDEAUX –MIXTURE / BORDEAUX PEST** and apply in time Schedules.
- ☞ Required quantity of **N.P.K. / micro nutrients** to be applied as per recommendations of Research Institutes/ University in additions to above doses to get higher yields.
- ☞ **The applications of every three month, once Spray and once drenching of Bordeaux mixture must be made , while application on Arecanut /coffee plants.**

THE FOLLOWING PRODUCTS TO BE APPLIED IN THE MONTH OF JANUARY- FEBRUARY AND JUNE, JULY (EVERY YEAR):

(FOR per Plant / gms)

Sr No.	PRODUCT BRANDNAME	Plant aged up to 1-3 years / plant /gm	Plant aged up to 4-8 years / plant /gm	Plant aged up to 9-12 years / plant /gm	Plant aged up to 1-15 years / plant /gm	Plant aged up to 15-20 years / plant /gm	Plant aged above to 20 years / plant /gm
1	FERTONIC -PROM	200	300	400	500	600	700
2.	FERTIWORM	20	30	40	50	60	70
3.	MOFCA-POTASH	30	40	50	60	70	80
4.	MOFCA- ZINC	30	40	50	60	70	80
5.	MOFCA -PHOS	30	40	50	60	70	80
3.	MOFCA -NEMITODE	30	40	50	60	70	80
4.	MOFCA-FUNJ	30	40	50	60	70	80
5.	MOFCA -COMBI	30	40	50	60	70	80
6.	MICRO -FERT - D	50	60	60	80	90	100
	TOTAL QUANTITY	450	630	800	990	1100	1270

NOTES:

- ☞ at the transplanting of plant First 1-3 years recommended does should be applied in Pits (Khadda) before transplanting of Pepper plants.
- ☞ Select the plants numbers (by keeping 60 Plants as Control Plants) and take the required quantity materials from 1 to 6 and mixed well and to apply in the same proportions on selected plants at the time of application in Areacnut / Coffee plants in editions .
- ☞ On controlled plants (60 Plants) means 30 Plants of **Planting Shade Trees** , our recommended products should not be applied to check the efficacy and effects of Above recommended does.
- ☞ It should be applied 1 ft Depth from earth lable in a round shape from 1.5 to 2.00 fit distance from main plants (means in root Zone only.) by breaking all destroyed old roots to develop new White roots.
- ☞ The **foliar applications of BORDEAUX MIXTURE** on Plant leaves to be made once during three month 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: PEPPER PLANTS: RECOMMENDED DOES : PER 10 LITERS OF WATER

It should be sprayed on each leaves of Pepper leaves at the time of spray on Areacnut or coffee plants as under:

- ☞ **FERTONIC-200 (Root Bio-chemicals)- 50 m.l + FERTONIC -1000 (Strength Bio chemicals)- 50 ml + NIMADOL –Bio Organic Insecticides 50 m.l.+ 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 m.l + 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 m.l + 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 comleted till harvest of the fruits.**
- ☞ use always urea 2 kg per 100 liters of water ,while spray of Bio-chemicals).

NOTE:

- ☞ 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.



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Seethuru Primary Agricultural Credit Co-Operative Society Ltd.

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