



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

COFFEE-PLANTATION CROP (Coffea Canephora/Coffea arabica) RUBIACEASE

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

- ☞ The planters are not maintaining **C:N:Ratio/ Ph of Soils**. Nor they are having **soil analysis report of Planted area of coffee (Robesta or Arabica)**, which are not good at all.
- ☞ The planters are not giving any importance to apply **BORDEAUX –MIXTURE** as Foliar applications as well as Drenching of Bordeaux mixture and not seen **Bordeaux-pest** in major plantations to **control Fungal diseases**.
- ☞ The planters are not adopting **Green manuring pattern** and neither using **decomposed F.Y.M. (Farm yard Manure)**.
- ☞ The Coffee major plants are **suffering from root- knot and nematode , termites/ Cut worms**.
- ☞ Major plantations are suffering from **STEM BORER specially - Arabica variety** and in some area Robesta variety also found.
- ☞ Major plantations are suffering from **Mealy bug**.
- ☞ Arabica coffee plants special treatments required to control **Root Borer larva**.
- ☞ As the opinion of Dr. Mishra Findings that planters are giving only importance to Nitrogenous elements and **neglecting to Phosphorous & potash** and not Applying **micro-nutrients** in a proper recommend does.
- ☞ The Fall downing of fruits found more due to shortage of **Phosphorous elements**.
- ☞ Every plant of COFFEE Plantations, on **Planting Shade Trees** should be minimum minimum two plants of PEPPER to be planted, to get **Extra Benefits** in Coffee Plantation by utilizing Planting Shade tree.
- ☞ To get Higher yields of COFFEE, the root zone of Plants should be get **healthy and free from fungal / nematod & Larva of Stem Borer**. Proper fertigation as per requirements of plants, must be applied.
- ☞ As per Field experience of Dr. MISHRA **If plant roots will function properly & will be healthy and free from Nemetodes/root knot and larva of Stem borer** then plant will get residence power against all type of diseases

R&D RECOMMENDATIONS: FOR COFFEE PLANTATIONS:

- ☞ Please refer our recommendations- method to prepare Bordeaux –mixture / Bordeaux Pest. it should be applied within time limit.
- ☞ The applications of every three month, once foliar Spray and once drenching of Bordeaux mixture must be done.
- ☞ From earth Lable, UP TO 2 to 3 Feet high , Bordeaux 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 - NEMITODE | 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 |
| 7. | MOFCA SHOFT | 50 | 50 | 70 | 80 | 100 | 100 |
| | TOTAL QUANTITY | 800 | 1100 | 1370 | 1650 | 2050 | 2460 |

NOTES:

- Select the plants numbers (by keeping 30 Plants as Control Plants) and take the materials from 1 to 7 in a required quantity , it should mixed properly and apply in the same proportions on selected plants.
- Required quantity of N.P.K. / micro nutrients to be applied as per recommendations of Research Institutes/ University in additions to above dossesge to get higher yields.
- On controlled 30 plants, our recommended products should not be applied , to check the efficacy and effects of Above recommended does.
- It should be applied 1.00 feet Depth from earth lable in a round sape from 1.5 to 2.00 fit distance from main plants (means in root Zone only) to distroyed old disturbed roots to generate white fresh 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.
- After three to four days applications of Drenching of Bordeaux Mixture , 2 gm.- MOFCA SHOFT per liter to be mixed and drenched, where Bordeaux mixture Drenched.
- While spraying of Bordeaux mixture, do not use any other chemicals. it should be Sprayed always alone.
- To Full fill requirements of Nitrogenous 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 & OTHERS ON COFFEE PLANTS: RECOMMENDED DOSES : PER 10 LITERS OF WATER

- FERTONIC-200 (Root Bio-chemicals)- 50 ml + FERTONIC -1000 (Strength Bio chemicals) -50ml + 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 -50ml + ferti-stico - 10 ml + FERTONIC - 700 -50 ml + NIMADOL -50 ml + MICROFERT B Grade - 50 ml to be speared at the time of Flowering Stage .
- use always urea 2 kg per 100 liters of water while spray of Bio-chemicals).
- 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 complete till harvest.



Dr.A.K.MISHRA
M.Sc.Agri., Ph.D.
(Soil Sciетiest)

- To Control MEALY BUG, Scale INSECT, WHITE FLY, Aphids, THRIPS, MITES etc. MOFCA KING-3.00gm +MOFCA SHOFT -3 gm -per liter + FERTI-STICO 10 ml mixed properly and to be sprayed on plant leaves well.
- SPECIAL NOTE: 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 plantcovering both side of the leaves.The above recomondations should not be used on 30 plants kept as CONTROL PLOT.

C & F Agent Karnataka

Seethuru Primary Agricultural Credit Co-Operative Society Ltd.

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