



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

BANANA FRUIT PLANTATION (MUSA SP.)

- ☞ The Banana is a very popular fruit due to its low price and high nutritive value. it is a good source of potassium , phosphorous, calcium and magnesium. The fruits easy digest consumed in fresh or cooked from both as ripe and Raw fruit.
- ☞ Banana is a rich source of carbohydrates and is rich in vitamins particularly vitamin B. it is also, free from fat and cholesterol, banana powder is used as first baby food. it help in reducing risk of heart disease when used regularly and is recommended for patients suffering from high blood pressure , arthritis , ulcer, gastroenteritis and kidney disorders.
- ☞ About 70% of the farmers are using **SUCKERS** as planting Materials while the rest 30% of the farmers are using **TISSUE CULTURE**.
- ☞ The major Banana producing states in India are Gujarat, karnataka, andhra pradesh, Maharashtra , tamilnadu, Assam, M.P. kerala, states.
- ☞ India exports Banana as mainly Meddle East countries **U.A.E. , saudi arebia ,oman, Bahrain, qatar,the Euorpin Union, the united state of America.**
- ☞ Dr. Mishra had visited so many Plantations of BANANA in Gujarat, Mahazrashtra, Karnatak, Kerla ,Tamilnadu States , his observations are as below:
- ☞ major farmers are applying suckers (without proper seed treatments) and Tissue cultural plants (without hardening) in net shed , which is not good at all.
- ☞ The Farmers are not maintain C:N:Ratio/ Ph of Soils. Nor they are having soil analysis report of Planted area of BANANA.
- ☞ The Farmers are not giving any importance to apply **BORDEAUX –MIXTURE** to control Fungal diseases.
- ☞ The Farmers are not adopting Green manuring pattern and neither using decomposed F.Y.M. (Farm yard Manure) .
- ☞ The major plants suffering from root- knot / nematode/ termites & Cut worm.
- ☞ The major farmers adopting Suckers seeds , when Tissue cultural seeds G-9, Narendra always best. always tissue cultural seeds must get hardening at net shed for minimum 40 days , other wise yield will be start late 1.5 month time and always give proper Suckers seed treatments, before plantations. and always Plantation should be ZIG-ZAG instead of Parrelor.
- ☞ As the opinion of Dr. Mishra Findings that farmers are giving more importance to nitrogenous fertilizers and neglecting to Phosphorous & potash & not Applying micro-nutrients in a proper recommend does.
- ☞ To get Higher yields of BANANA the root zone of Plants should be healthy and free from fungal / nematodes. Proper fertigation (as per requirements of plants) must be applied in time Schedules within 6 month from the date of Plantations . 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 BANANA Fruit Crop:

Please refer our recommended method to prepare Bordeaux mixture and apply in time Schedules. The applications of every three month, once Spray and once drenching of Bordeaux mixture must be done.

The following products to be applied in the field:

(FOR per Plant / gms)

Sr No.	PRODUCT BRAND NAME	Bewfore Plantations in pit / Gm	After 60-70 days of Platation/ 1.5 Ft distance from main plant	After 120-130 days of Plantation / 2.5 fit distance of Main Plant/gm	aftere 150-160 days of Plantations/ 2.5 fit distance of Main Plant/gm
1	FERTONIC -PROM	600	600	600	700
2.	fertiworm	40	40	60	60
3.	MOFCA-POTASH	50	70	80	90
4.	MOFCA- ZINC	50	70	80	90
5.	MOFCA -PHOS	50	70	80	90
6.	MOFCA -NEMITODE	60	60	60	60
7	MICRO -FERT - D	60	80	90	80

NOTES:

- Select the plants numbers (by keeping 30 Plants as Control Plants) and take the required quantity materials from 1 to 7 and mixed well and to apply in the same proportions in pid and distance shown in table and it should be mixed properly with soils in depth of 5-6 inch in round shape (Root zone of Plants.).
- On controlled plants (30 Plants) our recommended products should not be applied to check the efficacy and effects of Above recommended does.
- Required quantity of N. P. K. / micro nutrients to be applied as per recommendations of Research Institutes/ University in additions to above dosage to get higher yields.
- 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 :

BANANA FRUIT CROPS: RECOMMENDED DOSAGE : PER 10 LITERS of Water

- 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 + Microfer Grade -B 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 to be sparyed 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 Grade Grade -B 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).

NOTES:

- The above recommendations should not be used on 30 plants to be 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.Aagri., Ph.D. (Soil Sciетiest)



C & F Agent Karnataka



Seethuru Primary Agricultural Credit Co-Operative Society Ltd.

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