



# 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 – GINGER (ZINGIBER OFFICINALE)

### 100% EXPORT QUALITY PRODUCTION TECHNIQUE FOR ORGANIC GINGER AS PER INTERNATIONAL NORMS

- ☞ Ginger is used in INDIA, China/Japanese people for long history of medical substance containing aromatic substance. The traditional medical system in the world occur during Colds, cough, pregnancy, vomiting ,dizziness and Hypertension impaired vision problems. Ginger is also used as a drug. is used as the primary clinical. In Indian Ayurvedic treatment for digestion, fever, and stomach disease.
- ☞ Medical ginger rich, the people of INDIA ,china & japan in the cooking method ginger is the essentials. it is the **Gingiferae plant family and gingifer officinali is botanical name.**
- ☞ Aromatical and medicinal Oil Extracted from Ginger , helps in preparation of Ginger beer, ginger wine. Ginger powder used in the spices products. Foreign country ginger used for making Biscuits/ cakes ,soup and pickle.
- ☞ Ginger is not cultivated continuously in the same field but shifting cultivation is practiced. The crop can not with stand water logging and hence soil with good drained are prefer.
- ☞ **GINGER FIELD SHOULD BE FREE FROM WEEDS.**

**Dr. Mishra had visited so many Plantations of GINGER in Gujarat, Mahazrashtra, Karnatak, Kerla ,Tamilnadu States , his observations are as below:**

- ☞ major farmers are applying suckers ( without proper seed treatments), which is not good at all.
- ☞ The Farmers are not maintains C:N:Ratio/ Ph of Soils. Nor they are having soil analysis report of Planted area of GINGER.
- ☞ **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 / nematodes/ termites & Cut worm.
- ☞ 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 GINGER 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 .
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# R&D RECOMMENDATIONS : FOR GINGER SPICE Crop:

Please refer our recommended method to prepare Bordeaux 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	Before Plantations at the time of Land preparation per acre	After 60-70 days of Platation ( 1.5 Ft distance from main plant) in a ring system per acre	After 120-130 days of Plantation ( 2.0 fit distance of Main Plant in a ring system per acre	aftere 150-160 days of Plantations/ 2.5 fit distance of Main Plant in a ring system per acre
1	FERTONIC -PROM	150 kg	200 kg	200 kg	200 kg
2.	FERTIWORM	30 kg	30 Kg	30 Kg	30 Kg
3.	MOFCA-POTASH	2.5 kg	2.5 kg	2.5 kg	2.5 kg
4.	MOFCA- ZINC	2.00 kg	2.00 kg	2.00 kg	2.00 kg
5.	MOFCA -PHOS	2.0 kg	2.0 kg	2.0 kg	2.0 kg
6.	MOFCA -NEMITODE	2.00 kg	2.00kg	2.00 kg	2.00 kg
7	MICRO -FERT - D	2.00 kg	2.00	2.00	2.00 kg

## 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 :

### GINGER SPICE 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.Agri., Ph.D. (Soil Scienciest)**



**C & F Agent Karnataka**

**Seethuru Primary Agricultural Credit Co-Operative Society Ltd.**

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