

# **Healthy Fields : Managing Plant Health**

By

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## TNRH 29 rice in organic SRI

### Harvesting stage

- Irrigation with Fruit gaudi 4 times
- Application of MEM 2 times
- No.of Sprays: 4 times
- Release of parasites: 4 times



### **Growth Promoters used**

- 2.Archea solution
- 3.Conc. Amudham Sol
- 4.Panchakavya
- 5.Butter Milk Sol
- 6.Fish / Egg Extract
- 7.Leaf Extract Sol-pest control
- 8.TFPE- MN Supplement



## Organic attur kichadisamba

- Irrigation with Fruit gaudi: **2 times**
- Application of MEM: **Nil**
- No.of Sprays: **2 times**
- Release of parasites: **2 times**



### **Growth Promoters used**

- Archea solution
- Conc. Amudham Sol
- Panchakavya
- Butter Milk Sol
- Fish / Egg Extract - **Nil**
- Leaf Extract Sol-pest control
- TFPE- MN Supplement - **Nil**





## Organic Hybrid Maize Variety

- Irrigation with Fruit gaudi 10 times
- No.of Sprays: 2 to 4 times
- Release of parasites:nil

### **Bioitems used for pest control**

- ✓ **For sucking pest**
- ✓ Verticilium & Metarhizium
- ✓ B.subtilis, paicelomyces & VAM

### **Root Grub : Prangni & Meta**

**Note:** Favourable condition – Own Preparation,under unfavourable cond- Omn prep+ Bioitems ,This is adopted for all crops.

# kadali banana



- Irrigation with Fruit gaudi 20 times
- Application of MEM 1 time basal during planting.
- No.of Sprays: 12 times
- Release of parasites: 4 times for stem Borer

**Average bunch weight- 9 kgs**



## **Bioitems used for Disease Control**

- ✓ Pseudomonas
- ✓ T. viridi & T.harsiyanum
- ✓ B.subtilis, paicelomyces & VAM

## **Root Grub : Prangni & Meta**

## **Pseudostem Splitting:**

Butter Milk + PF - Injection  
5mL / Tree

# Organic Turmeric

- Irrigation with Fruit gaudi 4 times
- Application of MEM 4 times during rainy season- NH for microbes
- No.of Sprays: 2 to 12 times
- Thrips & Fungal Disease Control

so much of biomass at the time of harvesting



## Bioitems used for Disease Control

- ✓ Pseudomonas
- ✓ T. viridi & T. harsianum
- ✓ B. subtilis, paicelomyces & VAM

## Bioitems for thrips

- Verticilium & Metarhizium

## Leaf attack by fungal diseases

- Butter milk + Arches + PF



## Organic Sugarcane

- Irrigation with Fruit gaudi 20 times
- Application of MEM 2 times for root grub .
- No.of Sprays: 2 to 4 times in early stage.
- Release of parasites: 6 times for Internode Borer  
3 times for Top Shoot Borer

### **Bioitems used for Disease Control**

- ✓ Pseudomonas, T. viridi & VAM
- ✓ **For Root Grub** - B.bronbniartii + Metarhizium

# For vegetable crops

- Irrigation with Fruit gaudi 10 times
- Application of MEM 2 times
- No.of Sprays: 8 to 12 times
- Release of parasites: 4 to 6 times

Japanese, kailonis, Braconids, crysopa, redduvit bug

## **Growth Promoters used**

2. Archea solution
3. Conc. Amudham Sol
4. Panchakavya
5. Butter Milk Sol
6. Fish / Egg Extract
7. Leaf Extract Sol-pest control
8. TFPE- MN Supplement

## **During Unfavourable Condition**

### **Bioitems used for Disease Control**

- ✓ Pseudomonas
- ✓ T. viridi & T. harsianum
- ✓ B. subtilis, paicelomyces & VAM

### **For sucking pest**

- ✓ Verticillium & Metarhizium

### **For Borers & caterpillars**

B. Bassiana & Metarhizium.

### **For Root Grub:**

- ✓ - B. bronbniartii + Metarhizium

# Preparation of MEM (micro organisms Enriched Mixture)

- To control soilborne diseases, nematodes, root grubs



# Fruit Gaudi Preparation Tanks



# Fruit Gaudi Preparation tank Gaudi collection tank

Fruit



# Decaying of Pest Infested plant shoots in Fruit gaudi preparation



# Application of Fruit Gaudi through Irrigation





## **Preparation of Archea bacterial solution**

- to increase the microbial load of all Bio items
- to reduce the external input cost.

\_ an excellent contribution by  
Shri G.Balakrishnan, a retired civil engineer,  
ellankad village ,Thanjavur DT, Tamilnadu

## **Spray combinations & Various own preparations**

### **Pest & Disease Control**

Guided Shri L. Narayana Reddy

Basic principles reference from  
Prof. Dhabolkar, Maharashtra

My sincere respects & regards  
to Mr. Claude Alvares



**THANK YOU FOR ALL  
YOUR EARS PRESENT  
HERE**