

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.harsiyanum
- ✓ 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. bronbnartii + 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**