



ADITI

# ADITI ORGANIC CERTIFICATIONS PVT. LTD.



Put Mangoes in bucket of water, naturally- ripened ones sink to bottom, others flot.



Artificially-ripened mangoes have a uniform yellow colour with black spots



They have milder aroma one can feel the heat on touching



They are not very Juicy



## Mr. Narayana Upadhyaya

The Future is Organic, there is a lot of scope.

A certification is a quality check-post not just for the economic part of affairs, it is about the environmental wellbeing as well.

I am sure way forward is very bright. Indian market has the potential to produce superlative products and we must strive to keep the show running.



**NOTE FROM EDITOR'S DESK:**

We are into the middle of this year and we do hope this Sixth Issue of "Aditi Organic Certifications Pvt. Ltd" Newsletter continues to enthrall you and benefit you. Do share your views & feedback: [aditi@aditicert.net](mailto:aditi@aditicert.net) and [joseph@aditicert.net](mailto:joseph@aditicert.net)

**MANGOES-THE KING OF FRUITS!**

Mango (*Mangifera indica* L.) belonging to Family Anacardiaceae is the most important commercially grown fruit crop of the country. India has the richest collection of mango cultivars. India ranks first among world's mango producing countries accounting for about 50% of the world's mango production.

**Photos of Alphonso mangoes from Aditi R & D farm.****Effective management of Mango Fruitfly**

The female punctures the outer wall of the mature fruits with its pointed ovipositor and insert eggs inside the mesocarp of mature fruits. After hatching, the larva feeds on the pulp of fruit which appears normal from outside, but drops down finally. The mature maggots fall into the soil for pupation.



Every mango on the Aditi R & D farm is taken care of by bagging and monitoring the maturity of the fruit.

The result of this is minimizing the fruit fly damage to the extent of 80 %.

If whole canopy is covered with bags, then the damage can be controlled 100 %.

We have also placed pheromone trap fruit fly and sticky trap for hoppers.

**Mango Anthracnose and Stem End Rot of Mango**

Mango anthracnose is a fungal infection caused by the fungus and is presently recognized as the most important field and post-harvest disease of mango worldwide. Stem end rot may be a more serious post-harvest disease than anthracnose in mangoes. We faced both of this issue and we are developing management practice to overcome the problem. Please reach us for more details.



## Success story of mango growing farmer



Mr. H V Venkateshappa, owner of Akshaya Farm who is happy that he is providing chemical free mangoes to all the consumers since 2015.

His farm is certified by Aditi Organic Certifications Pvt. Ltd. from 2016 and here is his experience as an Organic farmer.

### 1. Why did you start organic cultivation of mangoes?

I started mango cultivation in 2007 and was growing it in conventional method. During 2012-2015 I faced severe problem of spongy tissue. No chemicals were found effective. Later I started watching Mr. Subhash Palekar's video and started attending different workshops regarding organic cultivation.



### 2. How you came across organic certification?

In 2016, I was suggested by mango board people about Organic certification and Aditi Organic Certifications Pvt. Ltd., later I contacted Mr. Narayana Upadhyaya and got my farm certified as per NPOP standards. I learnt many useful things from Aditi.



### 3. What are the challenges you faced in organic farming?

Major problem which I faced were pest and disease and post-harvest losses. But after I start organic farming, I was able to manage all this loss very effectively. I have placed sticky trap for each tree to control hoppers and pheromone traps are also placed to control the fruit fly. 5 % hot saline water is sprayed on the leaves to manage sooty mould. I use FYM for nutrient management. After mango harvest trees are pruned so that sunlight will penetrate to the soil which minimizes the fruit fly damage by killing pupae in soil.

### 4. How do you avoid post-harvest loss and market your mangoes?

We are harvesting 65-70 % ripened fruits and each fruit are harvested with petioles to avoid stem end rot. Then mangoes are graded based on size and quality. These mangoes are dipped in 45-50degree Celsius temperature water for 4-5 times. I do marketing of mangoes on my own and, we have website where anyone can order. For more details about Akshaya Farm please visit <https://sakkathmango.com>

#### NEEM



#### SPECIAL TREES FOR THE FARM:

It can be grown on the boundaries. Its leaves, fruits and twigs make excellent fertilizers, crop protection, bio solutions and keep away soil borne diseases. Under its shade different shade loving crops can be grown. Neem leaves are also in great demand from Ayurvedic medicine manufacturers. A minimum of ten Neem trees can be grown in a farm.



## The important mango varieties cultivated in different states of India



Source of information

<http://nhb.gov.in/model-project-reports/Horticulture%20Crops/Mango/Mango1.htm>

Websites for mango marketing in Karnataka and Maharashtra

<http://www.ksmdmcl.org/>

<https://www.msamb.com/Export/Mahamango>

### Custard Apple



### SPECIAL TREES FOR THE FARM:

This fruit bearing tree leaves are packed with medicinal properties. The extract of the crushed leaves when sprayed acts as the best bio control pesticide and keep mosquitoes away. Have a minimum of two Custard Apple trees in the farm.



## Accreditation for Livestock and Apiculture certification as per NPOP standards.



We are glad to inform you all that we have been accredited in accordance with NPOP standards by NAB for Livestock and Apiculture

### Aditi R & D farm activities and trainings



Planting of forest tree seedlings in swampy land as part of Deva Vana concept



Demonstration of Krishi Vijay mobile application to farmer which helps them in keeping records of farm activities



Organic vegetables, Introducing Pushkar (Rajasthan) rose to Nelamangala R & D farm and successfully growing it.

### Peepal



### SPECIAL TREES FOR THE FARM:

Helps soil fertility. Helps multiply microorganisms in the soil. It has high protein concentration and at times used as a fodder. It grows in poor quality soils which will gradually turn fertile. It helps reduce the hot temperatures in summer and controls soil erosion, improves soil structure and fertility. One Tree in the centre of a big farm will suffice.





Cultivation of sweet onion in our R & D farm.

This sweet flavoured onions are popular in Kumta, coastal town in Uttara Kannada district



Our MD Mr. Narayana Upadhyaya giving talk on Importance of Organic Certification in Organic Krishi Mela event at Honnavar



Ms. Kavya giving training to farmers in Bihar as part of PGS activity.

### Drumstick



### SPECIAL TREES FOR THE FARM:

It is a fast-growing, drought-resistant tree and its young seed pods and leaves used as vegetables and herbal medicine. It is also used for water purification. The Tree acts as a windbreaks and reduces soil erosion and helps improve soil nutrition, boosts food security. It may be used as forage for livestock, a micronutrient liquid, a natural anthelmintic and possible adjuvant. Drumstick leaf powder was as effective as soap. When wetted in advance to enable antiseptic and detergent properties from phytochemicals in the leaves. Moringa oleifera seeds and press cake have been implemented as wastewater conditioners for dewatering and drying fecal sludge.

### Contact Us

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