

## ANDA ARKH – Nurturing Soil and Plant

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### Summary

Ancient farming techniques are being reintroduced in modern agriculture to address pest and disease challenges. Anda Arkh is employed both as a growth and flowering enhancer and an effective pest control agent. Embracing organic practices in agriculture fosters the cultivation of healthier crops, ultimately contributing to the well-being of future generations. The use of non-chemical methods for pest control and crop protection is already gaining importance in several countries of India. Indigenous practices are followed by traditional farmers for the management of pests of certain common crops grown in traditional farms in general.

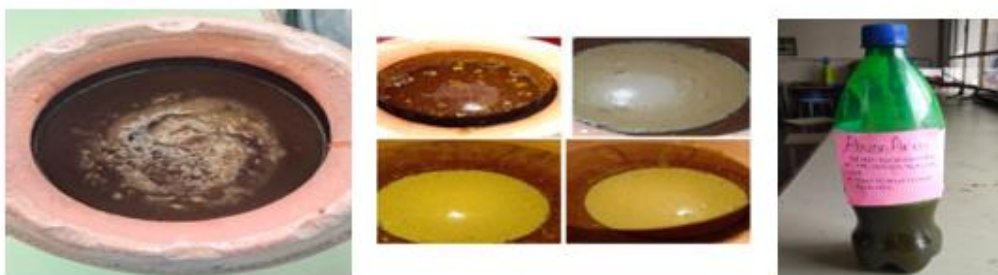
### Introduction

Indigenous technical knowledge gained recognition through the United National Conference on Environment and Education in 1992. ITK is the gained skill and technology of a locality or a community which has been passed from one generation to other generation. ITK provide a foundation for their beliefs and traditional practices. Over centuries, Indian farmers have experienced to grow food and survive in harsh environments, where the rich tradition of ITK has been woven with agricultural practices. It also contributes to biodiversity conservation. Indigenous Technical Knowledge [ITK] techniques include Fish arkh, Anda arkh, Neemastra, Coconut buttermilk ghol, and others. We can use plant and animal products in this Indigenous Technical Knowledge, or ITK. ITK are used to reduce risk rather than maximise profit. This ITK regulates not only crop production but also livestock rearing, food preparation, health care, insect pest management, and so on. Non-chemical fertilisers are increasingly being used for pest control in many countries, including India.

ITK is used for different purposes like flowering enhancement; Pest and disease management; Soil fertility enhancer, Seed and seedling treatment etc. Many farmers use ITKs to maintain a friendly environment without causing any damage to the environment. Also improves the crop yield. The population of India is growing rapidly and the demand for food is also increasing. ITK is the total knowledge and practices which are based on people's experience in dealing the situations and problems in various aspects of life. These ITKs can play a significant role in the overall socio-economic development of the communities.



**Fig 1.1 - Ingredients – Egg, Lemon, Jaggery**



**Fig: 1.2 - Day 1 of Anda arkh    Fig: 1.3 - Day Wise of Anda arkh    Fig: 1.4 - Final Product**

### **Materials and Methods for Preparation of Anda Arkh:**

Anda arkh is a low-cost organic method that uses Jaggery 250 gms, Eggs 6, and Lemons 8. To prepare Anda arkh, 250gms of jaggery, egg white with yolk (without shell) and lemon juice were added to a bowl. The pot was covered with a lid and stored for 10 days. After the 11<sup>th</sup> day, it is ready for the application.

### **Things to Know About Anda Arkh**

The anda arkh is applied in the field through drip sprayers. Add 10-50 ml of Anda arkh in 10 litres of water. The total cost for one application is nearly 100 to 150 INR which is very economical. The advantages of Anda arkh are: It is developed over time and continues to develop. Dynamic and changing process. Adaptability to local culture. Minimum risk with maximum profit. This system is based on plant extract and natural systems. It is promoted by

the government. It also develops entrepreneurship. Crop production, livestock rearing, food preparation, natural resource management, insect pest management, and other topics are covered. Jaggery is primarily used in the production of compost. It also acts as a fertiliser for plants and promotes the growth of all types of gardening plants. Lemon juice reduces the pH of water by increasing its acidity. It also aids in plant nutrition and fertilisation. Adding eggs to the plant is enough to provide calcium to the soil. The calcium protects the blossom ends from rot.

### **Conclusion**

Nowadays people have shifted from chemical farming to environmentally friendly practices one such method is Anda arkh. It is used as an alternative to chemical pesticides. This also minimizes the negative impact on the ecosystem and human health. It is a type of traditional type of method for improving crop production, given by our ancestors by their experience. This ITK combines traditional skills cultures, and artifacts with modern skills. It can increase crop production, control pests, etc. with maximum risk and maximum profit. This method is very important for controlling the use of chemicals which is harmful to the environment.

### **Reference:**

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