

BEST PRACTICE - I

1. Title of the practice

Azolla cultivation and distribution

2. Objectives of the practice

- ❖ To increase the soil fertility
- ❖ To avoid of chemical fertilizers.
- ❖ To increase crop yield by using of Azolla
- ❖ Impact of Azolla in pollution control.

3. The context

Azolla it is also called as Mosquito ferns, Duckweed fern, Fairy moss and Water fern. *Azolla* is unique because it is one of the fastest growing plants on the planet yet it does not need any soil to grow. Unlike almost all other plants, *Azolla* is able to get its nitrogen fertilizer directly from the atmosphere. That means it is able to produce bio fertilizer, livestock feed, food and bio fuel exactly where they are needed and at the same time, draw down large amounts of co2 from the atmosphere, thus helping to reduce the threat of climate change.

Azolla has many nutrient benefits when compared to other fodders, Apart from this, it has nature of fixing nitrogen in rice crop field. This is the reason it is being used as common bio fertilizer and green manure in rice fields. The blue green algae grow in symbiotic association with this fern and are responsible for nitrogen fixation in the rice crop.

4. The practice

- We are collected Azolla seed from agriculture department method in 2016-17. After the collection of Azolla, cultivated in our college department of Botany garden.
- Water is pre requisite for its multiplication . so it is not suitable for upland crop.
- Huge quantity of inoculum is required which is difficult for transplanting action during rainy days.
- Temperature more than 350c is not suitable.
- Extreme low temperature is also not suitable.
- Non availability of technology to use *Azolla* as dry inoculums.
- Market for *Azolla* is not so popular.
- Ignorance of people about benefit of *Azolla*.

5. Evidence of success

The concept of using aquatic plant for different purposes is receiving special attention nowadays. Because of its growth habitat, high multiplication rate, excellent source of protein for mono-gastric animals, high biomass production and increasing demand as organic food, *Azolla* has gained importance in recent years. *Azolla* is one of the aquatic Pteridophyte that may be used as animal food, as green manure, biofertilizer for increasing soil fertility, bio remediation of waste water and reclamation of saline soils.

Indian agriculture has become a chemical agriculture in which numerous chemicals like insecticides, herbicides, and commercial fertilizers are being used for producing crops. Due to these major microbial population eliminated from soil and rhizosphere is getting polluted. Biofertilizers play an important role in improving soil fertility and boosting crop yields.

6. Problems encountered and resources required

To aware the farmers about the benefits of *Azolla* used as biofertilizer to the surrounding areas of Siddipet district.

Give the practical knowledge about the cultivation of *Azolla* to formers. Resources for *Azolla* growth & development is depends upon the water availability, constant temperature (25°C - 30°C), acidic soil (pH 5.2-5.8) condition and humidity.

7. Notes

Azolla fixes Nitrogen it is an excellent source of nitrogen and also high nutrient value.

For *Azolla* cultivation required less amount of investment, hence it is a low cost alternative for good feed and good biofertilizer.

Azolla is ideal feed for livestock. If we take good care of *Azolla* pond, we can harvest good quality weed every day, and it definitely reduces your cost on feed and fertilizer.

BEST PRACTICE - II

1. Title of the practice

CHENETHA KU CHEYUTHA

GOAL :

1. To Empower the handloom weavers..
2. To promote the handloom products .
3. To encourage the siddipet gollabama weavers as well as gollabama products .
- 4 . To Encourage weavers to sell handloom products on the online marketing. and E marketing..
5. To aware the handloom weavers about the telangana government weavers welfare schemes. ..

2.CONTEXT :

Telangana is one of the important states in the Handloom Industry and is famous for pochampally Ikhat ,Gadwal,Narayanpet and Siddipet Gollabama sarees. Gollabama weaving is a critical Art and weavers take minimum of three full days to weave them. Gollabama, "A LADY WITH A PITCHER ON HEAD ' is the symbol.The living conditions of the weavers are very poor. Most of weavers illiterates, Out dated looms, low productivity, less income, lack of the online markings knowledge, lack of the information about telangana govt weavers welfare schemes.The Government Degree College Autonomous siddipet has come forward and taking several activities. Special programs are designed to encourage handloom weavers.

3.THE PRACTICE :

Siddipet is famous for GOLLABAMA SAREES. Good number of weavers depends on this work. They produce beautiful Gollabama sarees and stoles.The living conditions of the weavers are very poor; they don't have right marketing facilities .To encourage weavers and the traditional art of Gollabama, The Government Degree college,Autonomous, siddipet has come forward and taking several activities.Special programs are designed.Every year we celebrate National Handloom day on August 7th.On that day since 2016, we conduct several competitions like essay writing, elocution to students and distribute prizes. we also take up an exhibition of handloom products more particularly Gollabama sarees, shirts and stoles.On that day good sales promoted and the teaching staff and students purchase handloom products.We take an oath that on every Monday,all of us wear only handloom clothes there is a fashion parade for girls wearing Gollabama sarees. Apart from these activities, students are encouraged to take up promotional activities like conducting exhibitions during every Independence day,Republic day,Telangana formation day , New year day etc. We started

these activities since 2016. We were able to bring awareness of using local made handloom cotton cloths and thus encouraging Gollabama weavers at this locality. We have become BRAND AMBASSADORS of these handloom products in this area.

4. EVIDENCE OF SUCCESS :

. Based on our practice 22 JAKAT LOOMS are sanctioned for siddipet gollabama weavers co-operative society by the handloom Department of telangana state. Due to these looms productivity increased.

#. Free online marketing facilities is provided by Handloom Department to weavers .So income sources are increases.

#. In siddipet district officers were used to honor the foreign delights and guest who visited the siddipet district by the Gollabama sarees and stoles.

. In international level vide publicity given by NRI NEW ZEALAND sunitha Vijay Bhaskar Reddy. She introduced one FACE BOOK PAGE I.e. BRAND TELANGANA

.In siddipet Handicrafts Golkonda Showroom gave a great support to Gollabama weavers. And they give opportunity to sell Gollabama products in their showroom. Due to these practices handloom weaves income increased.

#.the students show their interest in the promotion of handloom products. Entrepreneurship skills of the students will be increased some of the students wants to go for online marketing of the handloom products.

5. PROBLEMS ENCOUNTERED AND RESOURCES:

while the project (practice) was in progress, the following problems have been encountered.

#.The prejudices of the weavers came in the way of free flow of communication.

.The expectation of the weavers regarding monetary benefits and subsidies raised doubts of the exact