GOVERNMENT DEGREE COLLEGE-TEKKALI

DEPARTMENT OF HORTICULTURE

Best Practice

Title of the Practice: ORGANIC FARMING

1. Objectives of the Practice:

- To provide basic knowledge in cultivation of crops.
- Able to grow vegetables in a natural way.
- To produce chemical free healthy food and conserve Bio-diversity.
- Sustainable use of resources.
- To promote self-employment.
- To provide practical experience on cultivation of Horticultural crops.

2. Learning Outcomes:

- Understanding the various aspects of crop cultivation.
- To learn different cropping patterns.
- To learn application of organic nutrients to plants
- To understand how to identify and sustainably manage pest and diseases.

3. The context:

Organic farming system in India is not new and is being followed from ancient time. It is a method of farming system which primarily aimed at cultivating the land and raising crops in such a way, as to keep the soil alive and in good health by use of organic wastes (crop, animal and farm wastes, aquatic wastes) and other biological materials along with beneficial microbes (biofertilizers) to release nutrients to crops for increased sustainable production in an eco-friendly pollution free environment.

Organic farming is a production system where all kinds of agricultural products are produced organically. Organic farming avoids or largely excludes the use of synthetic fertilizers, pesticides, growth regulators and livestock feed additives.

4. The Practice:

Department of Horticulture, GDC Tekkali is practicing an innovative program entitled 'Organic farming' under the guidance of Madigapu Thavudu lecturer In-charge Department of Horticulture. The students of Degree 1st and 2nd Year BHC involving in field work at garden area located in the premises of college.

Crop name	area	students
Radish	40 sq.m	2nd & 1st year BHC (12)
Red amaranthus	20 sq.m	2nd year BHC (6)

palak	10 sq.m	2nd year BHC (6)
Methi	20 sq.m	2nd year BHC (6)
Coriender	20 sq.m	2nd &1st year BHC (6)
Sorrel leaves	10 sq.m	2nd year BHC (6)
Amaranthus	10 sq.m	1st year BHC (6)
Cow pea	20 sq.m	1st year BHC (6)

5. Evidence of Success:

Crop name	cost of cultivation	Total income	Profit/loss	Remarks
Radish	250	300	Profit - 50	
Red amaranthus	200	-	loss	Due to pig's invasion
palak	150	-	loss	Due to pig's invasion
Methi	150	150	-	
Coriender	200	400	Profit - 200	
Sorrel leaves	150	300	Profit - 150	
Amaranthus	100	150	Profit - 50	
Cow pea	150	-	loss	Due to pest attack

6. Problems Encountered and Resources Required:

- Lack of proper tools and implements
- Lack of irrigation facilities
- Lack of fencing
- Lack of soil fertility.

Photo Gallery

FIELD WORK

BEFORE WORK

LAND PREPARATION

SEED SOWING

HARVESTING

FIELD WORK DONE BY III SEMESTER BHC STUDENTS