



Organic Manure Making

Name of Course: ORGANIC MANURE MAKING

Duration: 30 Hrs.

Offered by: Ramakrishna Sarada Mission Vivekananda Vidyabhavan

Eligibility: 10 + 2 Passed & RKSMVV Students

Intake Capacity: 30

Course Fees: Rs. 200/-

Course Overview:

The certificate course on 'Organic Manure Making' at Ramakrishna Sarada Mission Vivekananda Vidyabhavan equips students with practical knowledge and skills to produce organic manure, promoting sustainable agriculture and environmental conservation.

Course Objectives:

- Understand the fundamentals of organic manure production.
- Learn the benefits of organic manure for soil health and crop yield.
- Master the techniques for composting and vermiculture.
- Explore the use of various organic waste materials.
- Develop the ability to create and manage organic manure projects.

Syllabus:

Week	Topic	Content Description	Hour
1	Introduction to Organic Manure	Definition, importance, and benefits of organic manure	2
2	Types of Organic Manure	Green manure, compost, vermicompost, farmyard manure	2
3	Composting Techniques	Methods of composting, aerobic and anaerobic processes	3
4	Vermiculture	Setting up a vermicomposting unit, worm species, maintenance	5
5	Organic Waste Materials	Identifying and sourcing organic waste for manure production	2
6	Quality Control and Testing	Parameters for quality organic manure, testing methods	2
7	Application and Benefits of Organic Manure	Methods of application, impact on soil and plants	3
8	Environmental and Economic Impact	Environmental benefits, economic feasibility	1
9	Practical Session: Composting	Hands-on composting activities	3

10	Practical Session: Vermiculture	Hands-on vermicomposting activities	3
11	Project Work and Assessment	Individual/Group project on organic manure making	4

Learning Outcomes:

- Gain comprehensive knowledge of organic manure types and their production methods.
- Develop practical skills in composting and vermiculture.
- Understand the role and application of microbial inoculants in manure making.
- Assess the quality of organic manure and its benefits to soil and plants.
- Implement organic manure projects promoting sustainable agricultural practices.

Teaching Methodology:

Interactive lectures, hands-on practical sessions, field visits, expert guest lectures, group discussions, demonstrations and continuous assessment through question-answer session and practical evaluations.

Resource Persons:

1. **Dr. Sourindraw Das**, Senior Lecturer & Faculty, Agriculture Training Centre
Ramakrishna Mission Narendrapur
2. **Rabiul Haque**, Ex Agriculture Demonstrator, Agriculture Training Centre
Ramakrishna Mission Narendrapur