

## Organic Farming

### CREDIT DISTRIBUTION, ELIGIBILITY AND PRE-REQUISITES OF THE COURSE

Course Title & Code	Credits	Credit Distribution Of The Course			Eligibility Criteria	Pre-requisite of the course (if any)
		Lecture	Tutorial	Practical/ Practice		
Organic Farming	2	0		2	Nil	Nil

#### Learning objectives:

- To create awareness among the students about organic farming and its importance in sustainable agriculture.
- To provide a skill set of Organic farming to students to help them become self-reliant.

#### Learning Outcomes:

After completion of this course the learners will be able to:

- practice organic farming along with application of indigenous knowledge.
- establish entrepreneurial ventures and generate employment (Organic Grower).
- evaluate the organic produce as per FSSAI standards (Government rules).

#### Practicals:

1. Study of Organic Farming as an integrated approach. 01 Week
2. Soil analysis-physical testing and assessment of soil types, weightment, water movement, soil conditioners, etc. 02 Weeks
3. Manure preparation and introduction to compost, composting and its value addition quality test. 01 Week
4. Study of Indigenous Technology Knowledge (ITK) for nutrient, insect, pest disease and weed management. 02 Weeks
5. Study of various agriculturally useful Biofertilizers. 01 Week
6. Biocontrol agents including Integrated Pest Management. 01 Week
7. Study of traditional organic input preparation/formulation of Biofertilizer, biopesticides, plant health promoters like *Panchgavya*, *Beejamrut* etc. 02 Weeks
8. Study of the system of organic certification and inspection. 01 Week

9. Branding of rural products, FSSAI, marketing, packaging and handling of organic produce. 01 Week
10. Current Government schemes related to organic farming. 01 Week
11. Visit organic farms to study the various components and their utilization. 02 Weeks

**Suggested Readings:**

1. Dhama, A.K. (2014). Organic Farming for Sustainable Agriculture (2<sup>nd</sup> edition), Agrobios (India), Jodhpur.
2. Sharma, Arun K. (2013). A Handbook of Organic Farming, Agrobios (India), Jodhpur
3. Palaniappan, S.P. and Anandurai, K. (1999). Organic Farming – Theory and Practice. Scientific Pub. Jodhpur
4. Thapa, U and Tripathy, P. (2006). Organic Farming in India, Problems and prospects, Agritech, Publising Academy, Udaipur.
5. Jaivik Kheti Sahayak Pustika- National Centre for Organic and Natural Farming, Department of Agriculture & Farmers Welfare, GoI.

**Additional Resources:**

1. National Program for Organic Production-APEDA, Ministry of Commerce & Industry, GoI.

**Note:** Examination scheme and mode shall be as prescribed by the Examination Branch, University of Delhi, from time to time.