



WWW.AGRIGYAN.IN
Student of Agriculture....

[Click Here and Download Complete Syllabus](#)

Agron-322

Principles of Organic Farming

2(1+1)

Theory

Organic farming, principles and its scope in India; Initiatives taken by Government (central/state), NGOs and other organizations for promotion of organic agriculture; Organic ecosystem and their concepts; Organic nutrient resources and its fortification; Restrictions to nutrient use in organic farming; Choice of crops and varieties in organic farming; Fundamentals of insect, pest, disease and weed management under organic mode of production; Operational structure of NPOP; Certification process and standards of organic farming; Processing, leveling, economic considerations and viability, marketing and export potential of organic products.

Practical

Visit of organic farms to study the various components and their utilization; Preparation of enrich compost, vermicompost, bio-fertilizers/bio-inoculants and their quality analysis; Indigenous technology knowledge (ITK) for nutrient, insect, pest disease and weed management; Cost of organic production system; Post harvest management; Quality aspect, grading, packaging and handling.

Lecture Schedule--Theory

S.N.	Topic	No. of lectures
1.	Organic farming, principles and its scope in India;	2
2.	Initiatives taken by Government (central/state), NGOs and other organizations for promotion of organic agriculture;	1
3.	Organic ecosystem and their concepts;	1
4.	Organic nutrient resources and its fortification;	1
5.	Restrictions to nutrient use in organic farming;	1
6.	Choice of crops and varieties in organic farming;	1
7.	Fundamentals of insect, pest, disease mgt	2
8.	weed management under organic mode of production;	1
9.	Operational structure of NPOP	2
10.	Certification process and standards of organic farming;	2
11.	Processing, leveling, economic considerations and viability,	1
12.	marketing and export potential of organic products	1

Lecture Schedule--Practical

S.N.	Topic	No. of lectures
1.	Visit of organic farms to study the various components and their utilization;	2
2.	Preparation of enrich compost,	2
3.	vermicompost,	2
4.	bio-fertilizers/bio-inoculants and their quality analysis;	2
5.	Indigenous technology knowledge (ITK) for nutrient, insect, pest disease and weed management;	2
6.	Cost of organic production system;	2
7.	Post harvest management;	2
8.	Quality aspect, grading, packaging and handling.	2

References:

1. Dhama, A.K. 2014. Organic Farming for Sustainable Agriculture (2nd 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.

[Click Here and Download Complete Syllabus](#)