Centurion UNIVERSITY
Shaping Lives...
Empowering Communities...

Center for Smart Agriculture

Organic Farming

Module 1: Introduction to Organic farming

Session 1: Definition, principles and importance of organic farming

Centurion UNIVERSITY
Shaping Lives...
Empowering Communities...

What is Organic farming

Organic farming can be defined as a unique production management system which promotes and enhances agro-ecosystem health, including biodiversity, biological cycles and soil biological activity, and this is accomplished by using on farm agronomic, biological and mechanical methods in exclusion of all synthetic off-farm inputs..

Centurion UNIVERSITY
Shaping Lives...
Empowering Communities...

Principles of Organic farming

- protect the environment, minimize soil degradation and erosion, decrease pollution, optimize biological productivity and promote a sound state of health
- maintain long-term soil fertility by optimizing conditions for biological activity within the soil
- maintain biological diversity within the system
- recycle materials and resources to the greatest extent possible within the enterprise

Centurion UNIVERSITY
Shaping Lives...
Empowering Communities...

Aims of Organic Farming

- To maintain the long term fertility of the soil
- To reduce the input cost.
- To effectively utilize the natural resources .
- To avoid all forms of pollution caused by agricultural techniques.
- To provide a quality foodstuff .

Centurion
UNIVERSITY
Shaping Lives...
Empowering Communities...

Principles of organic farming

Health

Care

Principles of
Organic Farming

Ecology

Fairness

Centurion UNIVERSITY
Shaping Lives...
Empowering Communities...

For optimization of productivity all the essential components need to be developed in a systematic manner.

(i) Habitat development

(ii) on-farm facilities for input production

(iii)cropping sequence and combination planning

Centurion University
Shaping Lives...
Empowering Communities...

The Important Goals of Organic Farming

- A sufficiently high level of productivity
- Compatibility of cultivation with the natural cycles of the production system as a whole
- Maintaining and increasing the long-term fertility and biological activity of the soil
- Maintaining and increasing natural diversity and agro-biodiversity
- Maximum possible use of renewable resources
- Creation of a harmonic balance between crops and animal husbandry
- Protection of, and learning from, indigenous knowledge and traditional management systems

Centurion UNIVERSITY
Shaping Lives...
Empowering Communities.

- High nutritional value
- Poison free
- Food tastes good
- Food lasts longer
- Resistant to pests and weeds
- Lower input cost
- Drought resistant
- No pollution
- Increases fertility of soil
- .....

Centurion
UNIVERSITY
Shaping Lives...
Empowering Communities...

THANK YOU