

Value added Course on Mushroom Farming (Department of Botany)

Course Description

This is a certificate course aims to cater subject-matter and manual knowledge on mushroom cultivation and to popularize its advantageous farm economics. It thoroughly describes and infuses the theory and practical knowledge on subject. The learner will get enriched with knowledge and experience on mushroom cultivation.

Duration of the course: One-month training and 15 days' practice.

Key highlights: After getting the certification and work experience the learner could be a good mushroom farmer or entrepreneur. It will help him earn a good income and do consultancy on mushroom production.

Course Objectives

1. To make the learners self reliant to identify several kind of mushrooms.
2. To provide detailed hands on training on mushroom cultivation, packaging and marketing.
3. To develop a business plan on mushroom cultivation.
4. To help the learners to practice a means of self employment and income generation.

Learning Outcomes

1. Understanding mushrooms, types (edible & poisonous) and mushroom production
2. Learning cultivation of different edible mushrooms
3. Acquaintance with climatic requirements of mushroom cultivation
4. Building knowledge on diseases and pests of mushroom and their management
5. Knowing harvesting and post harvesting processes of mushroom
6. Learning value added products preparation from mushroom
7. Having the prospects of commercial mushroom production

Course Syllabus

Unit-1

Introduction of Mushroom
Importance of Mushroom
History of Mushroom

Unit-2

Morphology of Mushroom
Mushroom Types (Edible and Poisonous)

Unit-3

Paddy straw Mushroom Cultivation
Oysters Mushroom Cultivation

Unit-4

Diseases and Pests of Mushroom
Harvesting of Mushrooms
Post-harvesting Processing

Unit-5

Profit calculation of Paddy straw mushroom
Profit calculation of Oyester mushroom

Reference Books

1. Mushroom Cultivation in India- B.C.Suman and V.P.Sharma
2. Mushroom Growing for Everyone- G. Roy
3. Mushroom Production and Processing- V.N.Pathak, N.Yadav and M.Gaur

Session-1

Introduction of Mushroom

Introduction-to-mushroom-world-ppt

Introduction to Mushroom World-video

Session-2

Importance of Mushroom

Importance-of-mushroom-ppt

IMPORTANCE OF MUSHROOM-video

Session-3

History of Mushroom

History-of-mushroom-ppt

History of Mushroom-video

Session-4

Morphology of Mushroom

Morphology-of-mushroom-ppt

morphology of mushroom- video

Session-5

Practice-1

Learning Morphology of Mushroom in the Mushroom Farm

Session-6

Mushroom Types

Edible-and-poisonous-mushrooms-ppt

TYPES OF MUSHROOM-video

Session-7

Paddy Straw Mushroom Cultivation

PADDY-STRAW-MUSHROOM-ppt

Paddy Straw Mushroom Cultivation-video

Session-8

Practice-2

Bed Preparation and Seeding for Paddy Straw Mushroom

Session-9

Oyster Mushroom Cultivation

OYESTER-MUSHROOM-CULTIVATION-ppt

Oyster Mushroom Cultivation-Video

Session-10

Practice-3

Bed Preparation and Seeding for Oyster Mushroom

Session-11

Diseases and Pests of Mushroom

PESTS-OF-MUSHROOM-ppt

Diseases and Pests of Mushroom-video

Session-12

Practice-4

Identification and Observation of Different Diseases and Pests of Mushroom at farm

Session-13

Practice-5

Harvesting of Paddy Straw Mushroom

Session-14

Practice-6

Harvesting of Oyster Mushroom

Session-15

Post-harvest processing of Mushroom

Post-harvest-processing-of-mushroom-ppt

Mushroom post harvesting-video

Session-16

Profit Calculation of Paddy Straw and Oyster Mushroom

Profit Calculation for Paddy Straw and Oyster Mushroom-ppt

Profit calculation for paddy straw mushroom-video

Profit calculation for OYSTER mushroom- Video