NOC:Crop Production Fundamentals (BCPP) - Video course

COURSE OUTLINE

Course content encompasses Kharif & Rabi season crops, and gives a detailed description of the general practices for the maintenance of crops. The course has been designed on the basis of class 11& 12 syllabus for agriculture subject of U P Board.

Week 1.

a. Crops and their classification
Definition of crop, classification of crops
b. Importance of Vegetable
Importance of vegetables and their classification
c. Irrigation management
System of irrigation, method of irrigation and critical period of water requirement .
d. Principle of crop rotation
Crop rotation, concept of crop rotation and crop rotation followed in different tracts of Uttar Pradesh.

Week 2.

a. Cereal crop production practices
Paddy, Sorghum, Pearl millet and Maize crop production.
i. Paddy crop production
Paddy crop variety, field preparation, seed and sowing/transplanting, manure and fertilizer, irrigation,
weed control, disease control, insect control, harvesting and yield.
ii. Sorghum crop production
Sorghum crop variety, field preparation, seed and sowing, manure and fertilizer, irrigation, weed
control, disease control, insect control, harvesting and yield.
iii. Pearl millet crop production
Pearl millet crop variety, field preparation, seed and sowing, manure and fertilizer, irrigation, weed
control, disease control, insect control, harvesting and yield.
iv. Maize crop production crop production
Maize crop variety, field preparation, seed and sowing, manure and fertilizer, irrigation, weed control,
disease control, insect control, harvesting and yield.

Week 3.

b. Pulses crops production practices
Pigeon pea, Green gram, Black gram and Cowpea crop production.
i. Pigeon pea crop production
Pigeon pea crop variety, field preparation, seed and sowing, manure and fertilizer, irrigation, weed
control, disease control, insect control, harvesting and yield.
ii. Green gram crop production
Green gram crop variety, field preparation, seed and sowing, manure and fertilizer, irrigation, weed
control, disease control, insect control, harvesting and yield.
iii. Black gram crop production
Black gram crop variety, field preparation, seed and sowing, manure and fertilizer, irrigation, weed
control, disease control, insect control, harvesting and yield.
iv. Cow pea crop production crop production
Cow pea crop variety, field preparation, seed and sowing, manure and fertilizer, irrigation, weed
control, disease control, insect control, harvesting and yield.

Week 4.

NP-TEL

NPTEL

http://nptel.ac.in

Agriculture

Pre-requisites:

None

Hyperlinks:

http://www.agmoocs.in/courses

Coordinators:

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c. Oilseed crops production practices

Groundnut, Sesame, Soybean and Sunflower crop production.

i. Groundnut crop production

Groundnut crop variety, field preparation, seed and sowing, manure and fertilizer, irrigation, weed control, disease control, insect control, harvesting and yield.

ii. Sesame gram crop production

Sesame crop variety, field preparation, seed and sowing, manure and fertilizer, irrigation, weed control, disease control, insect control, harvesting and yield.

iii. Soybean crop production

Soybean crop variety, field preparation, seed and sowing, manure and fertilizer, irrigation, weed control, disease control, insect control, harvesting and yield.

iv. Sunflower crop production crop production

Sunflower crop variety, field preparation, seed and sowing, manure and fertilizer, irrigation, weed control, disease control, insect control, harvesting and yield.

Week 5.

d. Fruit crops production practices

Mango, Guava, Banana and Papaya crop production.

i. Mango crop production

Mango crop variety, field preparation, seed and sowing/transplanting, manure and fertilizer, irrigation, weed control, disease control, insect control, harvesting and yield.

ii. Guava crop production

Guava crop variety, field preparation, seed and sowing/transplanting, manure and fertilizer, irrigation, weed control, disease control, insect control, harvesting and yield.

iii. Banana crop production

Banana crop variety, field preparation, seed and sowing/transplanting, manure and fertilizer, irrigation, weed control, disease control, insect control, harvesting and yield.

iv. Papaya crop production crop production

Papaya crop variety field preparation, seed and sowing/transplanting, manure and fertilizer, irrigation, weed control, disease control, insect control, harvesting and yield.

Week 6.

e. Vegetable crops production practices

Tomato, Brinjal, Chilli and Okra crop production.

i. Tomato crop production

Tomato crop variety, field preparation, seed and sowing/transplanting, manure and fertilizer, irrigation, weed control, disease control, insect control, harvesting and yield.

ii. Brinjal crop production

Brinjal crop variety, field preparation, seed and sowing/transplanting, manure and fertilizer, irrigation, weed control, disease control, insect control, harvesting and yield.

iii. Chilli crop production

Chilli crop variety, field preparation, seed and sowing/transplanting, manure and fertilizer, irrigation, weed control, disease control, insect control, harvesting and yield.

iv. Okra crop production crop production

Okra crop variety field preparation, seed and sowing, manure and fertilizer, irrigation, weed control, disease control, insect control, harvesting and yield.

COURSE DETAIL

S. No.	Crop Groups	Name of the topic	Video length (minutes)	Name of the instructor
		Irrigation and irrigation needs	8:00	Dr. S. K. Shukla

1.		Source of Irrigation	5:00	Dr. S. K. Shukla
		Importance of crops and classification	15:00	Dr. J. R. Yadav
		Crop rotation principle	10:00	Dr. V. Kumar
		Importance of vegetable and classification	15:00	Dr. J. R. Yadav
2.	Cereal crop	Paddy crop production	11:03	Dr. S. K. Shukla
		Sorghum crop production	5:02	Dr. V. Kumar
		Pearl millet crop production	10:23	Dr. J. R. Yadav
		Maize crop production	12:20	Dr. J. R. Yadav
3.	Pulses crop	Pigeon pea crop production	9:58	Dr. J. R. Yadav
		Green gram crop production	5:24	Dr. J. R. Yadav
		Black gram crop production	5:30	Dr. V. Kumar
		Cowpea crop production	7:34	Dr. S. K. Shukla
4.	Oilseed crop	Groundnut crop production	12:52	Dr. J. R. Yadav
		Sesame crop production	4:55	Dr. V. Kumar
		Soybean crop production	11:50	Dr. J. R. Yadav
		Sunflower crop production	9:45	Dr. S. K. Shukla
5.	Fruit crop	Mango crop production	17:33	Dr. J. R. Yadav
		Guava crop production	17:57	Dr. J. R. Yadav
		Banana crop production	11:21	Dr. S. K. Shukla

		Papaya crop production	8:23	Dr. V. Kumar
6.	Vegetable crop	Tomato crop production	8:27	Dr. V. Kumar
		Brinjal crop production	12:54	Dr. S. K. Shukla
		Chili crop production	12:15	Dr. J. R. Yadav
		Okra crop production	13:38	Dr. J. R. Yadav

References:

The content of the course has been taken from the book "Intermediate Agronomy part I and Intermediate Agronomy part II ", which has been published by the Bharat Bharti Publication & Company, Meerut, Uttar Pradesh, India? Handbook of Agriculture and Handbook of Horticulture published by ICAR, New Delhi ; Krishi Gyan Manjush, Kharif Faslo ki Saghan Paddhatiya, Rabi Faslo ki Saghan Paddhatiya and Zaid Faslo ki Saghan Paddhatiya published by UP. Agriculture Department.